

SONOMA STATE UNIVERSITY 2020-2021 GENERAL CATALOG

Sonoma State University
1801 East Cotati Ave, Rohnert Park, CA 94928,
(707) 664-2880

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About SSU

Located in California's premier wine country one hour north of San Francisco, Sonoma State is a small campus with big ideas. With a tradition of promoting intellectual and personal growth, leadership opportunities and technological proficiency, SSU offers its students a friendly, safe and informal atmosphere on a beautiful campus setting. Currently, campus housing accommodates students in both apartment and residential suite style facilities.

While SSU generally accepts all qualified students who apply from high schools in its service area, 80 percent of the freshmen and 55 percent of the junior transfer students come from outside the North Bay region. With 34 percent of the student body living on campus, it is one of the most residential campuses within the California State University system.

Our Mission

The SSU mission is to prepare students to be learned people who:

- Have a foundation for lifelong learning,
- Have a broad cultural perspective,
- Have a keen appreciation of intellectual and aesthetic achievements,
- Will be leaders and active citizens,
- Are capable of pursuing fulfilling careers in a changing world, and
- Are concerned with contributing to the health and well-being of the world at large.

To achieve its mission, Sonoma State University recognizes that its first obligation is to develop and maintain excellent programs of undergraduate instruction grounded in the liberal arts and sciences. Instructional programs are designed to challenge students not only to acquire knowledge but also to develop the skills of critical analysis, careful reasoning, creativity, and self-expression. Excellence in undergraduate education requires students to participate in a well-planned program that provides both a liberal education and opportunities for specific career preparation.

The University offers a wide range of traditional disciplines, as well as interdisciplinary programs, so that students are able to explore diverse modes of inquiry, the understanding gained within the various disciplines, and a global spectrum of ideas, institutions, values, and artistic expressions.

The University offers selected professional and graduate programs leading to master's degrees, teaching credentials, and certificates in various career fields. These programs respond to regional and state needs within the academic, business, education, and professional communities.

The quality of the educational experience relies on close human and intellectual relationships among students and faculty to foster the open exchange of ideas. The University is committed to creating a learning community in which people from diverse backgrounds and cultures are valued for the breadth of their perspectives and are encouraged in their intellectual pursuits. The University's special character within California education emerges from its small size; its commitment to high standards of scholarship and ongoing professional development; and its promotion of diversity in the faculty, staff, and student populations.

The University also recognizes its obligation to serve as an educational and cultural resource for people in the surrounding communities. It offers courses, lectures, workshops, and programs that are open to the public. Special events in the arts, the sciences, and athletics contribute to the intellectual and cultural life of students and the community.

Our History

The California State Legislature established Sonoma State College in 1960. The college opened in temporary quarters in Rohnert Park in fall 1961 under the leadership of founding president Ambrose R. Nichols, Jr., with an enrollment of 274 upper-division students. Most of the faculty and administrators of the Santa Rosa Center of San Francisco State College, which had served the region since 1956, joined the new college. The center's elementary education, psychology, and counseling programs were the principal offerings. The college grew steadily, developing academic programs based in the traditional liberal arts and sciences, as well as in career and professional programs, all the while emphasizing close student-faculty interaction.

The college moved to its present 215-acre site in 1966, upon completion of Stevenson and Darwin halls. Excellent new facilities have been constructed, and the grounds have been extensively landscaped, creating one of the most attractive, modern, and well-equipped campuses in the state. In 1978, University status was granted, and the name was changed to Sonoma State University.

Accreditation

Sonoma State University is fully accredited by the WASC Senior College and University Commission. In addition, individual program accreditations have been granted by the American Chemical Society, the Association to Advance Collegiate Schools of Business, the National Association of Schools of Music, the National League for Nursing, the National Association for Schools of Art and Design, and the Council for Accreditation of Counseling and Related Educational Programs. The School of Education and its programs are approved by the California Commission on Teacher Credentialing and the National Council for Accreditation of Teacher Education (NCATE).

The University is also a member of the prestigious Council of Public Liberal Arts and Colleges (COPLAC), an association of public colleges and universities whose primary mission is ensuring that fine undergraduate liberal arts and sciences education is available to students in the public systems of higher education. SSU is the only California member of COPLAC.

Contact Information:

[WASC Senior College and University Commission](#)

985 Atlantic Avenue, Suite 100, Alameda, CA 94501

Tel: (510) 748-9001

Fax: (510) 748-9797

The Arts at Sonoma State University

Center for Performing Arts

Ives Hall 206 and Green Music Center Education Hall
(707) 664-3160

Dean
Hollis Robbins
School of Arts and Humanities

Production Manager
Vikki Del Rosario

In addition to its broad spectrum of course offerings in music, dance and theatre, the Center for Performing Arts coordinates the performance activities of the music and theatre arts & dance departments by providing technical support in scenery, costumes, makeup, lighting, and sound, as well as marketing, facility management, and ticketing services. An estimated 16,000 people attend the Center's annual presentation of more than 140 student and guest artist workshops and performances.

The Center for Performing Arts is home to a variety of performing ensembles comprised of both students and community members, including Drama Ensemble, Dance Ensemble, Symphony Orchestra, Symphonic Chorus, Chamber Singers, Music Theatre Production, Music Theatre Scenes Workshop, Chamber Music Ensembles, Student Composers, Symphonic Wind Ensemble, Concert Band, Brass Ensemble, Guitar Ensemble, Percussion Ensemble, Concert Jazz Ensembles (2), Latin Jazz Ensemble, Technical Theatre, Theatre Studies, and Jazz Orchestra. In addition, a number of student-initiated projects in music, dance, and theatre are presented each semester, including senior recitals and projects.

In addition to the regular performances of its resident ensembles, Performing Arts' departments and programs each year host and present a variety of special events and activities. The Music Department's Collage Concert, presented each October as part of parent visitation weekend, is soon followed by the annual Scholarship Showcase for scholarship and endowment donors, which features highlights of fall music, dance and theatre productions. Other fall events include the High School Invitational Choral and Jazz Festivals and the annual vocal teacher's workshop presented by the local chapter of the National Association of Teachers of Singing. Throughout the year, the choral, Jazz and symphonic wind programs host a variety of regional clinics and festivals, all of which bring high school and college ensembles to SSU. Trio Navarro, Faculty Jazz Ensemble, and Sonoma Musica Viva are the Music department's resident professional ensembles and each presents a concert series. Finally, the Theatre Arts & Dance and Music departments and their many programs present each year a varied season of guest artist residencies, workshops, and concerts that introduce students to intensive, hands-on creative work with top-ranking professionals. The Center's guest artist series and the departments' many talent scholarships are made possible by the Evert B. Person endowment, established in 1991.

- The center manages a variety of distinct performance venues:
- Schroeder Recital Hall. This 240-seat recital hall houses a Magnificent Brombaugh Opus 9 Organ and functions as an intimate venue for choral performance, chamber music, and Jazz. It is equipped as a "smart" classroom and functions as a well-appointed lecture hall.
- Evert B. Person Theatre. Opened in 1990, this beautiful, state-of-the-art, fully equipped and accessible 475-seat proscenium theatre features excellent sight lines, a complete fly system, movable thrust with orchestra

lift, large stage, computerized lighting board system, well-equipped scene and costume shops, and actor-friendly dressing rooms and makeup facilities. It is used for most large-scale theatre, dance, and music theatre productions, as well as for concerts, lectures, and special events;

- Warren Auditorium. Our 200-seat proscenium auditorium is a venue for Jazz concerts and other music and theatre events. It is equipped as a "smart" classroom for lecture-style classes and is the home of the Sonoma Film Institute;
- A 125-seat flexible drama theatre and rehearsal space.
- A 50-seat black box studio theatre suited to small-scale, intimate productions;
- Alumni Amphitheater, a small outdoor space surrounded by trees, used for a variety of performances;
- State-of-the-art sound engineering studio allowing for a one-year certificate program.

In addition to its own concerts and productions, the Center provides venues and support for a variety of campus activities, including convocations, lecture and film series, conferences, and events sponsored by Associated Students Productions. Many off-campus groups also rent the Center's performance facilities for meetings, conferences, dance, theatre, and music performances.

Information about performances and tickets is best accessed online at the Music and Theatre Arts & Dance websites: www.sonoma.edu/music/ and www.sonoma.edu/theatreanddance/. Tickets to all CPA performances can be reserved or purchased weekdays at the main campus box office located in the University's Student Center and at tickets.sonoma.edu. Tickets can also be obtained at three campus box office outlets 30-60 minutes prior to the performance: 1) the Evert B. Person Theatre Box Office; 2) Ives Hall box office (main floor outside Warren Auditorium); and 3) the lobby of Schroeder's Recital Hall at the Green Music Center. Discount rates on all tickets for students, senior citizens, and groups in effect for all performances. Free admission tickets are available to all SSU students.

Green Music Center

The Green Music Center is the performing arts presenter at Sonoma State University. As a cornerstone of Sonoma State University's commitment to the arts, the Green Music Center is a place to witness artistic inspiration through year-round programming, serving as home to the Sonoma State University Music Department, the Santa Rosa Symphony, and Sonoma Bach.

The mission of the Green Music Center is to present the most compelling artists of our time, to investigate ideas, and to provide access to diverse artistic experiences that educate, connect, and inspire Sonoma State University and neighboring North Bay communities.

Built to bring together artists, students, families, music-lovers, and more, the Green Music Center at Sonoma State University is a gathering place for our diverse communities in Sonoma County to explore and enjoy the things that move and inspire us. The center includes the 1,400-seat Weill Hall, with a rear wall that opens to lawn seating for a unique summertime experience, and the intimate 240-seat Schroeder Hall.

The Green Music Center is committed to connecting the artists we present in our concert halls with academic partners across campus. Artists participate in activities such as lectures, demonstrations, workshops, and conversations with students, faculty, and staff, all of which aim to foster deep engagement with diverse artistic experiences that explore a variety of themes. Activities are designed to develop creative capacities, critical thinking

skills, and encourage participants to investigate communal and personal values while building empathy for the experiences of others.

Sonoma State University students can purchase \$10 tickets to most shows or receive 50% off regular single ticket prices.

University Art Gallery

Art 101
(707) 664-2295

Director
Michael Schwager

Opened in 1978 as part of SSU's new art department complex, the University Art Gallery is a large and well-equipped facility with almost 2,500 square feet of exhibition space in two adjoining galleries. The Art Gallery serves the campus and surrounding communities through ongoing presentation of exhibitions, publications, and lectures, featuring work by local, national, and international contemporary artists.

Throughout its existence, the Art Gallery has organized and displayed museum-quality exhibitions, ranging in focus from experimental installations and multimedia works to more traditional styles and techniques. Some of the artists featured in Art Gallery exhibitions are Mari Andrews, Robert Arneson, Chester Arnold, Squeak Carnwath, Laurie Fendrich, John Yoyogi Fortes, Mineko Grimmer, Mildred Howard, Robert Hudson, Marc Katano, Annie Leibovitz, Judith Linhares, Hung Liu, Judy Pfaff, Peter Plagens, Sabine Reckewell, Dana Schutz, Luis Silva, Tomas Vu, and Cate White, among many others.

During each academic year, the Art Gallery presents five exhibitions, including work by graduating Bachelor of Fine Arts students and the annual Juried Student Show, which is open to all SSU students and is selected by two art professionals from off-campus. Work by the SSU Art Department faculty is also shown in the gallery every two to three years. In addition, the Art Gallery hosts a variety of programs and events, chief among them the annual Art from the Heart Auction, featuring affordable works of art by more than 100 local and nationally recognized artists, the proceeds from which directly benefit the gallery's programs.

In addition to its public programs, the Art Gallery serves as a teaching facility, providing art history, art studio, and other students with hands-on experience in the fields of museum and gallery work and arts administration.

The Art Gallery is open 11 a.m. to 4 p.m., Tuesdays through Fridays, and noon to 4 p.m. on Saturdays and Sundays. Admission is free.

University Library Arts and Events Program

Jean and Charles Schulz Information Center
(707) 664-2010
library.sonoma.edu/about/artsandlecture

The Arts and Events Program in the University Library enriches the scholarly and cultural life of the Sonoma State community through a year-round program of gallery exhibits, lectures and presentations, and events.

The Library Gallery, on the second floor of the Schulz Information Center, provides a venue for artwork aligned with university initiatives and interests. In addition to featuring student art at least once a year, past exhibits have ranged from the work of local photographer John LeBaron to a traveling exhibit of photos of African-American baseball players in the era of segregation. In 2015, in honor of the 15th anniversary of the Schulz Information

Center, the Library collaborated with the Schulz Museum on "You're an Open Book, Charlie Brown," an exhibit featuring reproductions of library-related Peanuts cartoons. In keeping with the university's focus on sustainability, in fall 2015 the Library hosted an exhibit of artwork by Michelle Friend related to the conservation of mountain lions. The Library Gallery is open whenever the library is open.

Events programming by the Library offers a balance of scholarly enrichment and campus engagement. Every summer the Library kicks off its annual event series with Love Your Library, a carnival-like event for the University's incoming Summer Bridge students that offers games, displays, and other fun activities. Recent topics for lectures have included faculty readings, panels on voting rights, and the art of cartooning. Wikipedia Edit-a-Thons, held in our lovely Special Collections room, have drawn faculty and students from across disciplines.

University Library

Jean and Charles Schulz Information Center
Library Information
(707) 664-2375

Library Hours
(707) 664-2595

Dean
Karen G. Schneider

Located in the Jean & Charles Schulz Information Center, the University Library provides materials, spaces, services, and technology to help the Sonoma State community learn, teach, reflect, read, collaborate, innovate, and celebrate arts and culture.

The Library makes it easy for students to access the materials they need to succeed. Along with more than half a million print books and e-books, students can borrow course readings, films, music, and laptops. For questions about how to find, borrow, print, or copy material, visit the **Information/Check-out desk**, located on the second floor. If the Library does not have what you are looking for, lending services such as **CSU+** or **Interlibrary Loan** can be used to quickly request books, journal articles, and more, free of charge.

The Library is a popular destination for students, offering individual and group study seating, study rooms, viewing rooms, a child-friendly K12 room for students and faculty accompanied by children, a terrace, and vending machines. A gender-inclusive restroom is on the first floor. In addition to printers and copiers, the Library provides hundreds of desktop computers for student use as well as chargers and rolling whiteboards. Food and beverages are welcome throughout most of the Library.

Sonoma State University Library's **Special Collections** connect the present with the past by providing research assistance and instruction in the use of primary sources, advanced research, and digital projects. Students and researchers from around the world use the Library's Special Collections to explore the history of Sonoma State University, the life and times of Jack London, and North Bay social and environmental history.

The Library's **subject librarians** partner with faculty in every academic department to integrate skills for identifying, finding, integrating, and citing information into SSU courses. Students have access to help for research through in-person consultations with librarians, 24/7 chat, and the Library website (library.sonoma.edu). Librarians also create online research guides for every department, with contact information and research tips.

The **SSU Makerspace**, located on the second floor, transforms dreams into reality through exploration of digital fabrication, prototyping, immersive technologies, and a wide range of equipment and tools. The Makerspace is

open weekday afternoons and evenings for walk-in use. Students, faculty, and staff can explore new technologies through class labs, workshops, experimentation, and free-play.

The **Library's Gallery and Events Program** showcases faculty, student, staff, and community art and scholarship through a variety of events and programs promoting cultural awareness and lifelong learning. Visit the Library website for more details and to keep track of upcoming events.

The three-story, 219,000 square foot Jean & Charles Schulz Information Center opened in 2000, and was made possible through support from the Cotati-Rohnert Park Unified School District, private donations, California's taxpayers, and a generous gift from Jean and Charles Schulz. The Information Center houses the University Library, SSU Information Technology, and Charlie Brown's Cafe. The Library features a 800,000-volume automated retrieval system that houses approximately half the Library's print collection, enabling library space to be prioritized for student learning. The Library's first floor, newly updated in 2019, provides students a unique gathering space for group study, research, and writing, and houses a suite of student success services including **Advising**, the **Center for Transfer and Transition Programs**, the **Dream Center**, the **Learning and Academic Resource Center (LARC)**, and the **Military & Veteran Resource Center**.

The California State University

Welcome to the California State University (CSU) – the nation's largest comprehensive higher education system with 23 unique campuses serving approximately 481,000 students with more than 52,000 faculty and staff.

Each year, the university awards more than 125,000 degrees. CSU graduates are serving as leaders in the industries that drive California's economy, including business, agriculture, entertainment, engineering, teaching, hospitality and healthcare. Learn more at www.calstate.edu.

A Tradition of Excellence for More Than Five Decades

Since 1961, the CSU has provided an affordable, accessible, and high-quality education to more than 3.7 million graduates throughout California. While each campus is unique based on its curricular specialties, location and campus culture, every CSU is distinguished for the quality of its educational programs. All campuses are fully accredited, provide a high-quality broad liberal educational program and offer opportunities for students to engage in campus life through the Associated Students, Inc., clubs and service learning. Through leading-edge programs, superior teaching and extensive workforce training opportunities, CSU students graduate with the critical thinking skills, industry knowledge and hands-on experience necessary for employment and career advancement.

Facts

- Today, one of every 20 Americans with a college degree is a CSU graduate.
- 1 in every 10 employees in California is a CSU alumnus.
- The CSU awards 45 percent of the bachelor's degrees earned in California.
- More than half of all the nurses in the state earn their degrees from the CSU.
- The CSU awards 95 percent of the hospitality/tourism degrees in the state.
- Nearly half of all of the state's engineers earn their degrees from the CSU.
- The CSU is the leading provider of teacher preparation programs in the state.
- The CSU offers more than 125 fully online and 100 hybrid degree programs and concentrations.
- The CSU offers more than 4,700 online courses per term, providing more educational options to students who may prefer an online format to a traditional classroom setting.

- The CSU's online concurrent enrollment program gives students the ability to enroll in courses offered by other campuses in the CSU.
- Over the past four years, the CSU has issued nearly 50,000 professional development certificates in education, health services, business and technology, leisure and hospitality, manufacturing, international trade and many other industries.
- Nearly half of the CSU's 481,000 students are engaged in some type of community service, totaling 32 million hours of service annually.
- More than 13,000 students participate in STEM (science, technology engineering and mathematics) service-learning courses.
- For every \$1 that the state invests in the CSU, the university generates \$5.43 for California's economy.

Governance

The CSU is governed by the Board of Trustees, most of whom are appointed by the governor and serve with faculty and student representatives. The CSU chancellor is the chief executive officer, reporting to the board. The campus presidents serve as the campus-level chief executive officers. The trustees, chancellor and presidents develop system wide educational policy. The presidents, in consultation with the CSU Academic Senate and other campus stakeholder groups, render and implement local policy decisions.

CSU Historical Milestones

The individual California State Colleges were established as a system with a Board of Trustees and a chancellor in 1960 by the Donahoe Higher Education Act. In 1972, the system was designated as the California State University and Colleges, and in 1982 the system became the California State University. Today, the CSU is comprised of 23 campuses, including comprehensive and polytechnic universities and, since July 1995, the California Maritime Academy, a specialized campus.

The oldest campus—San José State University—was founded in 1857 and became the first institution of public higher education in California. The newest—CSU Channel Islands—opened in fall 2002, with freshmen arriving in fall 2003.

In 1963, the CSU's Academic Senate was established to act as the official voice of CSU faculty in system wide matters. Also, the California State College Student Presidents Association—which was later renamed the California State Student Association—was founded to represent each campus student association on issues affecting students.

Through its many decades of service, the CSU has continued to adapt to address societal changes, student needs and workforce trends. While the CSU's core mission has always focused on providing high-quality, affordable bachelor's and master's degree programs, over time the university has added a wide range of services and programs to support student success – from adding health centers and special programs for veterans to building student residential facilities to provide a comprehensive educational experience.

To improve degree completion and accommodate students working full- or part-time, the educational paradigm was expanded to give students the ability to complete upper-division and graduate requirements through part-time, late afternoon, and evening study. The university also expanded its programs to include a variety of teaching and school service credential programs, specially designed for working professionals.

The CSU marked another significant educational milestone when it broadened its degree offerings to include doctoral degrees. The CSU independently offers Doctor of Education (Ed.D.), Doctor of Physical Therapy (DPT),

Doctor of Audiology (AuD) and Doctor of Nursing Practice (DNP) degree programs. A limited number of other doctoral degrees are offered jointly with the University of California and private institutions in California.

In 2010, in an effort to accommodate community college transfer students, the CSU, in concert with the California Community Colleges (CCC), launched the Associate Degree for Transfer (ADT), which guarantees CCC transfer students with an ADT admission to the CSU with junior status. ADT has since proven to be the most effective path to a CSU for transfer students.

Always adapting to changes in technology and societal trends to support student learning and degree completion, the CSU achieved another milestone in 2013, when it launched Cal State Online, a system wide collection of services that support the delivery of fully online programs from campuses. Now, full-time students have access to fully online courses offered at other CSU campuses.

By providing an accessible, hands-on education that prepares graduates for career success, the CSU has created a network of alumni that is so extensive and renowned that it spans across the globe. As of 2018-19, more than 3.7 million CSU alumni are making a difference in the lives of the people of California and the world.

The CSU strives to continually develop innovative programs, services and opportunities that will give students the tools they need to meet their full potential. In 2016, the university launched Graduation Initiative 2025, a bold plan to support students, increase the number of California's graduates earning high-quality degrees and eliminate achievement and equity gaps for all students. Through this initiative, the CSU is ensuring that all students have the opportunity to graduate according to their personal goals, positively impacting their lives, families and communities. The CSU is committed to providing a quality higher education that prepare students to become leaders in the changing workforce.

Trustees of the California State University

Ex Officio Trustees

The Honorable Gavin Newsom
Governor of California

The Honorable Eleni Kounalakis
Lieutenant Governor of California

The Honorable Anthony Rendon
Speaker of the Assembly

The Honorable Tony Thurmond
State Superintendent of Public Instruction

Dr. Timothy P. White
Chancellor of The California State University

Officers of the Trustees

The Honorable Gavin Newsom	President
Adam Day	Chair
Lillian Kimbell	Vice Chair

Andrew Jones Secretary

Steve Relyea Treasurer

Appointed Trustees

Appointments are for a term of eight years, except student, alumni, and faculty trustees, whose terms are for two years. Terms expire in the year in parentheses. Names are listed alphabetically.

Silas Abrego (2021)
Jane W. Carney (2022)
Adam Day (2023)
Rebecca D. Eisen (2020)
Douglas Faigin (2025)
Debra S. Farar (2022)
Jean P. Firstenberg (2018)
Wenda Fong (2024)
Juan Garcia (2020)
Emily Hinton (2019)
Lillian Kimbell (2024)
John "Jack" McGrory (2023)
Thelma Melendez de Santa Ana (2025)
Hugo N. Morales (2020)
John Nilon (2020)
J. Lawrence Norton (2019)
Romey Sabalius (2019)
Lateefah Simon (2019)
Christopher J. Steinhauser (2026)
Peter J. Taylor (2021)

Correspondence with Trustees should be sent to:

C/o Trustees Secretariat
The California State University
401 Golden Shore
Long Beach, California 90802-4210

Office of the Chancellor

The California State University
401 Golden Shore
Long Beach, California 90802-4210
(562) 951-4000

Dr. Timothy P. White	Chancellor
Mr. Steve Relyea	Executive Vice Chancellor and Chief Financial Officer
Dr. Loren J. Blanchard	Executive Vice Chancellor, Academic and Student Affairs

Mr. Andrew Jones	Executive Vice Chancellor, General Counsel
Mr. Garrett P. Ashley	Vice Chancellor, University Relations and Advancement
Ms. Evelyn Nazario	Vice Chancellor, Human Resources
Mr. Larry Mandel	Vice Chancellor and Chief University Auditor

2020-2021 Academic Calendar

For the most current calendar information

Fall Semester 2020

Aug. 17 University Convocation

Aug. 18 Instruction begins

Sep. 18 Deadline to apply for December 2020 graduation

Dec. 11 Last day to submit master's theses and projects to Graduate Studies Office

Dec. 4 Last day of instruction

Dec. 7-11 Final examinations

Dec. 17 Semester ends

Holidays

Sept. 7 Labor Day, campus closed

Nov. 11 Veterans Day observance, campus closed

Nov. 25-27 Thanksgiving, campus closed Thursday and Friday

Dec. 25 - Jan. 20 Holiday recess, campus closed

Intersession 2020 (Special Session)*

Dates to be announced

Spring Semester 2021

Jan. 21 Faculty Work Day: Faculty Retreat

Jan. 22 Faculty Work Day: School Meetings

Jan. 25 Instruction begins

TBA Deadline to apply for May 2021 graduation

TBA Deadline to apply for August 2021 graduation

TBA Last day to submit master's theses and projects to Graduate Studies Office

May 14 Last day of instruction

May 17-21 Final examinations

May 22-23 Commencement

May 27 Semester ends

Holidays

Jan. 18 Martin Luther King Jr. Day, campus closed

March 22-26 Spring recess, classes not in session

March 31 César Chavez Birthday, holiday observed, campus closed

Summer Term 2021

Dates to be announced

School of Arts and Humanities

Hollis Robbins, Dean
Nichols Hall 310
(707) 664-2146
Arts & Humanities

The school of Arts and Humanities offers instruction in studio art, creative writing, music, dance, acting, technical theatre, and theatre arts. Programs in the humanities include American Multicultural Studies, Art History, English, French, German, Spanish, Communication Studies, Chicano and Latino Studies, Jewish Studies, Linguistics, Native American Studies, and Philosophy. The School of Arts and Humanities also houses the Hutchins School of Liberal Studies and a pre-law and applied ethics program and provides numerous opportunities for service-learning experiences and internships, as well as study abroad.

The Hutchins School, American Multicultural Studies, and the Department of Chicano and Latino Studies offer subject matter preparation programs for students who intend to enter teaching credential programs and to teach in elementary schools. Several departments and programs, including Art, English, Modern Languages, and Music, offer subject matter preparation programs that lead to secondary or single subject teaching credential programs. The English Department offers an M.A. degree in which students complete work in Literature Studies, Creative Writing and the Teaching of Writing. There is an M.A degree program in Spanish and an M.A degree program in Film Studies.

The school also oversees the Center for Performing Arts, which features music and theatre arts productions and guest artists in the state-of-the-art Person Theatre; the University Art Gallery, with nationally recognized shows and exhibits; the Sonoma Film Institute; the Writers Lecture Series, the Africana Lecture Series and other lecture series; KSUN, the campus radio station; the Sonoma State Star, the student weekly newspaper; SSU TV; Zaum, the campus literary journal; and Volt, a nationally distributed literary journal. The Music Department is housed in the Music Education wing of the world famous Green Music Center. Our Students and faculty perform in it regularly on stage in the world-class Weill Hall and in Schroeder recital Hall.

Arts and Humanities school faculty are committed to excellence in teaching and to a strong academic advising program. Students are offered guidance on coursework, advising, internships, and career paths. The school of Arts and Humanities provides an education that allows students to develop their ability to think critically and communicate clearly, the best preparation for a successful future and transforming the world.

American Multicultural Studies

Department Office
Nichols Hall 214
(707) 664-2486
acms.sonoma.edu

Department Chair
Kim D. Hester-Williams

Administrative Coordinator
Kate Sims

For faculty information, please see Faculty or the AMCS faculty-staff web page.

Since 1971, the American Multicultural Studies Department (AMCS) has taken an interdisciplinary and comparative approach to teaching students about the importance of race and ethnicity to people living in the United States. The AMCS Department provides students with the theoretical foundation to understand the complexity of these issues while training them to develop cultural competence, critical thinking, and leadership skills that will empower students to navigate the fast-changing multicultural and multiracial American landscape.

The AMCS Department is listed under American Studies programs in the CSU system. The newly-revised AMCS program reflects an innovative trend in American studies that is truly interdisciplinary. The core program remains grounded in Critical Ethnic Studies and the concentration and pathways draw upon concepts and methods in other disciplines in the humanities and social sciences. The revised program will enable students to develop multi- and intercultural competence, critical thinking, and leadership skills that will help them navigate the fast-changing multicultural and multiracial American landscape.

Our classes focus on the histories and cultures of African Americans, Chicanos and Latinos, Asian Americans, Multiracial Americans, and Native American Indians so that students may understand more deeply America's multicultural heritage and future. Correspondingly, the teaching and research interests of our faculty explore how race and ethnicity intersect with power and inequality. Some of these areas of expertise are: Race and Representation; Race and Equality in Education; Race and Popular Culture; Race and Ethnicity in the Arts, Literature and Media; Race and Globalization; Multiracial Experience; Civil Rights Movement; Social Policy; Decolonization and Indigenization.

AMCS is committed to graduating students who have the knowledge and skills to live and work productively and competently in an increasingly diverse world. The faculty is committed to shaping students into culturally informed citizens who can make positive impacts on their communities. Students who complete our major or minor program will have the tools to adapt to a rapidly changing multicultural environment. At the core of our mission is the hope that our work will lead to a better world.

Through the various "AMCS Pathways" and the "Concentration in Africana Studies," students who major in AMCS can choose to focus on an area of interest and have a wide range of courses to choose from across selected departments in the university. This approach to learning will enhance students' multicultural awareness and competence and serves as a vibrant and imperative aspect of our contemporary society. The AMCS degree is versatile as evidenced by our graduates who are now practicing lawyers, college professors, social workers, educators, student affairs professionals, academic counselors, nonprofit administrators, arts administrators, and social entrepreneurs.

Careers in American Multicultural Studies

The AMCS major encourages students to develop an in-depth understanding of American cultures and ethnicities in the 21st century. Since it is predicted that the U.S. will be fifty percent non-white in 2050, our goal is to teach the analytical tools for understanding the United States as a multiracial, multi-ethnic, multicultural, and multilingual nation and to help students shape their vision of leadership, civic engagement, and professional development for the future.

We invite students to explore our multifaceted course offerings focused on issues of justice, equity, and equal access to opportunity for all.

The AMCS Department offers a Concentration in Africana Studies that includes an array of courses within the AMCS Department as well as participating departments across the university. Students pursuing this concentration will learn about African American and African Diasporic history and culture.

The AMCS Pathways allow students to choose from participating departments across the university in the following areas of interest:

- Comparative Ethnic Studies
- Hemispheric Studies
- Critical Race, Sex, Gender, and Sexuality Studies
- Literature and the Arts
- Multicultural Education
- Native American Studies

Faculty advisors will work closely with students in choosing their Pathway. Please see Faculty or AMCS for more information.

American Multicultural Studies, B.A.

Admission into the Major

Student's majoring in AMCS are assigned a faculty advisor and consult with the advisor on progress toward the degree. Upon acceptance into the major, a transfer student's records will be reviewed to articulate the lower-division courses that are equivalent to those offered within the AMCS Department. A maximum of ten lower-division units may be transferred. Upper-division courses from four-year institutions may be transferred above and beyond the ten units of lower-division transfer towards the AMCS major, based on advisor approval. Students should use assist.org to view official articulation agreements between SSU and other California colleges.

Degree Requirements	Units
General education (50, 12-14 in major)	36-38
Major core requirements	20
Major electives	24
General electives	38-40
Total units needed for graduation	120

Students graduating with a B.A. in American Multicultural Studies must take 20 units of core courses and an additional 8 upper-division AMCS courses plus 16 units from their chosen AMCS Pathway or the Concentration in Africana Studies.

Grading Minimums

Students must earn a grade of C- or above to get AMCS major credit. All courses graded below C- must be retaken in order to be eligible for major credit. Courses must be taken for a grade to be eligible for major credit. Courses for major credit may not be taken CR/NC.

Major Core Requirements: 20 Units

Choose any three (12 units)

- AMCS 165A - Humanities Learning Community **Unit(s): 4**
- AMCS 165B - Humanities Learning Community **Unit(s): 4**
- AMCS 210 - Ethnic Groups in America **Unit(s): 4**
- AMCS 225 - How Racism Works: America in Black and White **Unit(s): 4**
- AMCS 260 - Ethnicity in the Arts, Culture, and Media **Unit(s): 4**

Required (8 units):

- AMCS 392 - Ethnic Images in Film and Media **Unit(s): 4**
- AMCS 480 - Research and Methodology **Unit(s): 4**

Choose 8 units of Upper Division Electives:

**Based on advisor approval. Only one of these courses may count towards the degree.*

*** Can count as an elective if not taken as a core course.*

- AMCS 260 - Ethnicity in the Arts, Culture, and Media **Unit(s): 4 ****
- AMCS 339 - Ethnic Groups and American Social Policy **Unit(s): 3**
- AMCS 350 - Ethics, Values, and Multiculturalism **Unit(s): 4**
- AMCS 355 - Language and Ethnicity **Unit(s): 4**
- AMCS 370 - Gender in Asian America **Unit(s): 4**
- AMCS 374 - The Multiracial Experience **Unit(s): 4**
- AMCS 377 - Asian American Experience **Unit(s): 4**
- AMCS 381 - Research Assistantship **Unit(s): 2-4 ***
- AMCS 385 - Facilitation Training **Unit(s): 2-4 ***
- AMCS 395 - Community Involvement Program **Unit(s): 1-4 (3-4 Unit(s) Required) ***
- AMCS 399 - Student-Initiated Course **Unit(s): 1-4 (3-4 Unit(s) Required) ***
- AMCS 420 - Gender and Ethnicity **Unit(s): 4**
- AMCS 445 - Multi-Culturalism and Education **Unit(s): 4**
- AMCS 475 - Globalization and Race in the United States **Unit(s): 4**
- AMCS 476 - Selected Topics in African American Studies **Unit(s): 4**
- AMCS 480 - Research and Methodology **Unit(s): 4**
- AMCS 481 - Special Topics **Unit(s): 1-4 (4 Unit(s) Required)**

- AMCS 495 - Special Studies **Unit(s):** 1-4
- AMCS 499 - Service Learning Internship **Unit(s):** 1-4

Units

Core Course Requirements: 20

Concentration or Pathway: 8

Upper Division Electives: 16

Total in AMCS Major: 44

Concentrations

- Concentration in Africana Studies (16 units)

Pathways

Students who do not complete the concentration in Africana Studies will select one of the following pathways. The following courses are eligible toward each pathway. However, students can consult with their advisors and the department chair to request an unlisted course count toward the Pathway. All pathways must include at least 8 upper division units. Total units in the Pathway: 16 units.

- Pathway in Hemispheric Studies
- Pathway in Comparative Ethnic Studies
- Pathway in Film Studies
- Pathway in Critical Race, Gender, and Sexuality Studies
- Pathway in Native American Studies
- Pathway in Literature and Art
- Pathway in Multicultural Education

Sample Four-Year Program

American Multicultural Studies, B.A., Pathway in Comparative Ethnic Studies

Freshman Year: 28-31 Units

Fall Semester (14-16 Units)

- AMCS 165A - Humanities Learning Community **Unit(s):** 4
- GE Area B
- ENGL 101 - Expository Writing and Analytical Reading **Unit(s):** 3
- GE Area D4

Spring Semester (14-15 Units)

- AMCS 165B - Humanities Learning Community **Unit(s): 4**
- AMCS 210 - Ethnic Groups in America **Unit(s): 4 OR**
- SOCI 263 - Sociology of Race and Ethnicity **Unit(s): 4**
- GE Area B
- GE Area D2 or D3

Sophomore Year: 28-31 Units

Fall Semester (13-15 Units)

- GE Area B
- GE Area D2 or D3
- AMCS 260 - Ethnicity in the Arts, Culture, and Media **Unit(s): 4**
- UD Major Course (any)

Spring Semester (14-16 Units)

- CALS 403 - Chicano/Latino Youth and Adolescents **Unit(s): 3-4**
- AMCS 350 - Ethics, Values, and Multiculturalism **Unit(s): 4**
- CALS 432 - Latinas/os and Globalization **Unit(s): 4**
- UD Major Course (any)

Junior Year: (28-32 Units)

Fall Semester (13-16 Units)

- GE Area B
- UD Major Course (any)
- UD Major Course (any)
- AMCS 480 - Research and Methodology **Unit(s): 4**

Spring Semester (12-16 Units)

- Any UD SSU Course
- Any UD SSU Course
- Any SSU Course
- Any SSU Course

Senior year: (28-32 Units)

Fall Semester (12-16 Units)

- Any SSU Course
- Any SSU Course
- Any SSU Course
- Any SSU Course

Spring Semester (12-16 Units)

- Any SSU Course
- Any SSU Course
- Any SSU Course
- Any SSU Course

Total Units: 120

American Multicultural Studies, Minor

Students must complete 20 units to fulfill requirements for a minor in American Multicultural Studies. Courses graded CR/NC are not applicable to minors awarded by the AMCS Department. Students must receive grades of C- or better to receive minor credit for courses.

Core requirements (Choose up to three courses (12 units) from the following)

- AMCS 165A - Humanities Learning Community **Unit(s): 4**
- AMCS 165B - Humanities Learning Community **Unit(s): 4**
- AMCS 210 - Ethnic Groups in America **Unit(s): 4**
- AMCS 225 - How Racism Works: America in Black and White **Unit(s): 4**
- AMCS 260 - Ethnicity in the Arts, Culture, and Media **Unit(s): 4**

Required

- AMCS 392 - Ethnic Images in Film and Media **Unit(s): 4**

Elective

Additional four (4) units must come from upper-division AMCS courses. Courses taken from CALS, NAMS, or WGS can count towards the minor elective based on advisor approval.

Units

Total units in the minor: 20

Art and Art History

Department Office
Art Building 128
(707) 664-2364
web.sonoma.edu/art/

Department Chair
Christine Renaudin

Administrative Coordinator
Cindy Menghini

For faculty information, please see Faculty or the Art & Art History Faculty web page

Overview

The Department of Art and Art History offers interdisciplinary majors with the opportunity to specialize in studio art or the history of art.

Art History

The Art History program teaches students to think critically about art and visual culture. In addition to preparing them for careers in the museum and gallery world as well as graduate work in Art History or related fields in the humanities, the program offers training in research, writing and critical thinking that will serve them in many professions. Students are given an introduction to western and non-western art before taking more specialized courses that focus the art and culture of particular regions, periods or themes. Students will gain familiarity with critical theory, historical methodology and research using print, online, and electronic sources. Professors work closely with students to hone their writing, critical thinking and research skills and enable them cultivate and express their own ideas about art and visual culture.

Students in the BA Art History program take 43 units of major core courses.

Art Studio

The Studio Art curriculum is designed for students to develop the ability to create, analyze, interpret, and evaluate art. Students learn to express their thoughts, feelings, and values in a variety of visual forms. The department strives to stimulate creativity and competency as students broaden their skills and knowledge of materials and technologies. The faculty is committed to the recognition of individuality and unique accomplishment. Professors work closely with each student to encourage personal direction and ideas.

Students in the BA art studio concentration take 45 units of major core courses. Emphases include ceramics, painting, photography, printmaking, sculpture and works on paper.

The Bachelor of Fine Arts (BFA) degree is often considered the degree of choice for students wishing to pursue graduate or professional studies. It enhances the artist's opportunity to perform at a higher level and fulfills the need for additional artistic growth in an intensive studio environment. The BFA program regularly brings together students and faculty from all areas for demanding critiques. The pursuit of the BFA degree affords time for concentrated work within a specific art emphasis: painting, photography, printmaking, or sculpture. In addition, students may emphasize ceramics or works on paper.

This more intensive degree program is open to students through competitive application, usually during the junior year. Please see your advisor for details regarding the application process.

To complete the BFA program, students are required to take 70 units of major core courses, which must include 45 upper division units (300 or higher) and 21 units in a single area of specialized emphasis.

Courses for the majors cannot be taken for Cr/NC. A maximum of three courses may be challenged for credit toward the major: two lower-division and one upper-division. Most studio courses require payment of lab fees at time of class registration. In addition a \$10 cleaning fee is charged each semester students are enrolled in any studio courses. It is the departmental philosophy that a grasp of the history and theory of art is indispensable for the studio major and that creative activity is invaluable to the student of art history.

Art History, B.A.

Many of the courses required for the degree have prerequisites. Consult course descriptions for details.

Degree Requirements	Units
General education	48
Major core requirements	43
General electives	29

Total units needed for graduation 120

Note: Reading comprehension of at least one foreign language is essential for Art History majors. Students are advised to develop competence in French, German, Italian, and/or Spanish; however, the prospect of eventual specialization may make other languages advisable in particular instances.

Requirements for the Major

Foundation Courses / Freshman and Sophomore Years (12 Units)

Art History (6-8 lower-division units)

- ARTH 210 - Introduction to Art History **Unit(s): 4**
- ARTH 211 - Introduction to Art History **Unit(s): 4**
- **OR**
- ARTH 160A - Humanities Learning Community **Unit(s): 4**
- ARTH 160B - Humanities Learning Community **Unit(s): 4**

Lower-Division Studio/Language Courses (5-8 lower-division units)

- ARTS 101 - Art Fundamentals **Unit(s): 3**
- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3**
- or
- ARTS 105 - Media Art Fundamentals **Unit(s): 3**
- In addition, one course in drawing, a beginning course in any medium or any language course.

Core Courses / Junior And Senior Years (15 - 20 Units)

Period Courses: Students must complete requirements A, B, and C

A) One upper-division course from three of the five categories listed below (three courses total):

Ancient:

- ARTH 420 - Pre-Classical Art **Unit(s):** 3-4
- ARTH 422 - Greek Art **Unit(s):** 3-4
- ARTH 424 - Roman Art **Unit(s):** 3-4

Medieval:

- ARTH 430 - Medieval Art In and Around the Mediterranean **Unit(s):** 3-4
- ARTH 432 - Medieval Art: Post-Millennial Issues **Unit(s):** 3-4

Renaissance/Baroque:

- ARTH 440 - 15th C. Renaissance Art: Vision, Representation, Space **Unit(s):** 3-4
- ARTH 442 - The Self-Conscious Italian Renaissance **Unit(s):** 3-4
- ARTH 444 - Northern Renaissance Art **Unit(s):** 3-4
- ARTH 450 - Baroque: Object to Artwork **Unit(s):** 3

18th through 19th Centuries:

- ARTH 452 - Art in the Age of Enlightenment **Unit(s):** 3-4
- ARTH 454 - Art and the Emergence of Modernity **Unit(s):** 3-4
- ARTH 460 - History of American Art **Unit(s):** 3-4

History of Photography:

- ARTH 456 - The History and Theory of Photography **Unit(s):** 3-4

B) Modern/Contemporary

One upper-division course required:

- ARTH 460 - History of American Art **Unit(s):** 3-4
- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s):** 3-4
- ARTH 465 - Modern Art from 1945 to 1979 **Unit(s):** 3-4
- ARTH 466 - Contemporary Art **Unit(s):** 3-4

C) Non-Western

One upper- or lower-division course required:

- ARTH 270A - Survey of Islamic Art **Unit(s):** 3-4
- ARTH 270B - Survey of Asian Art **Unit(s):** 3-4
- ARTH 470A - Survey of Islamic Art **Unit(s):** 3-4
- ARTH 470B - Asian Art **Unit(s):** 3-4
- ARTH 474 - Topics in Islamic Art **Unit(s):** 3-4

Recommended Electives for All Art History Majors (7 - 12 Units)

In consultation with the advisor, the art history major will choose additional language courses and/or upper-division courses from any of the following:

1. A, B and C above; and Gallery and Museum Methods (ARTH 494).
2. Special topic courses (ARTH 480).
3. Course in a related field outside the Art Department with approval of the faculty and the department chair. Examples include but are not limited to:
 - ANTH 327 - Archaeology of North America **Unit(s):** 4
 - CALS 220 - Latina/o Arts and Humanities **Unit(s):** 4
 - HIST 400 - The Roman Republic **Unit(s):** 4
 - NAMS 205 - Introduction to Native American Arts **Unit(s):** 4
 - NAMS 338 - Native Americans and The Cinema **Unit(s):** 4

Capstone Experience (4 - 6 Units)

All students must complete a senior project consisting of the following:

1. ARTH 490 - Seminar in Visual Art and Culture (4 units). Students must complete two papers in upper-division courses before being admitted to the pro-seminar.
2. Senior Thesis: With prior approval, students may write a scholarly paper overseen by two art history faculty. The student receives assistance in preparing this paper by enrolling in one of the following courses:
 - ARTH 492 - Senior Honors Thesis **Unit(s):** 1-2 (2 Credit(s) Required) by consent of art history faculty. Student must enroll in one unit of ARTH 492 concurrently with two different advisors

Units

Minimum total lower-division units: 11

Minimum total upper-division units: 32

Minimum total units in the major: 43

Sample Four-Year Program

** also counts for GE requirements*

Bachelor of Arts in Art History

Freshman Year: 30-32 Units

Fall Semester (16-17 Units)

- ARTS 101 - Art Fundamentals **Unit(s): 3**
- ARTH 210 - Introduction to Art History **Unit(s): 4 ***
GE Courses (6)
Elective (3)

Spring Semester (14-15 Units)

- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3**
- ARTH 211 - Introduction to Art History **Unit(s): 4 ***
- Any Beginning Art Studio Course
- GE Courses

Sophomore Year: 30-32 Units

Fall Semester (15-16 Units)

- Upper-Division ARTH Period Course
- GE Courses

Spring Semester (15-16 Units)

- ARTH Non-Western
- GE Courses

Junior Year: 28-32 Units

Fall Semester (13-16 Units)

- Upper-Div. ARTH Period Course *
- Upper-Div. ARTH Period Course
- Upper-Division GE
- Upper-Division ARTH Special Topic
- Elective

Spring Semester (13-16 Units)

- Upper-Div. ARTH Period Course
- Upper-Division ARTH Elective
- Upper-Division GE
- Elective

Senior Year: 28-32 Units

Fall Semester (12-16 Units)

- ARTH 490 - Seminar in Visual Art and Culture **Unit(s): 4**
- Upper-Division ARTH Elective
- Upper-Division ARTH Elective
- Other Elective

Spring Semester (13-16 Units)

- ARTH 492 - Senior Honors Thesis **Unit(s): 1-2** (Advisor #1)
- ARTH 491H - Senior Thesis in Art History **Unit(s): 1-2 OR**
- ARTH 492 - Senior Honors Thesis **Unit(s): 1-2** (Advisor #2)
- Upper-Division ARTH Elective
- Upper-Division ARTH Elective
- Other Electives or Internships

Total Units: 120

Art: Studio Concentration

Several of the courses required for the degree have prerequisites. Please consult course descriptions for details.

Degree Requirements	Units
General education	48
Major requirements	53
General electives	19

Total units needed for graduation 120

Requirements for the Major

The studio art major is comprised of a group of upper and lower division core courses representing minimum requirements for all areas of emphasis (2D, 3D or Photo/Media) plus, course offerings in studio and associated areas that allow for the development in each emphasis that requires six units at the advanced (400) level.

Major Core Requirements

Studio Foundations

(Students in Photo/Media emphasis are required to take ARTS 105)

- ARTS 101 - Art Fundamentals **Unit(s): 3**
- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3**

- ARTS 105 - Media Art Fundamentals **Unit(s): 3**
 - ARTS 202 - Beginning Drawing **Unit(s): 3** (3 Unit(s) Required)
 - ARTS 204 - Beginning Life Drawing **Unit(s): 3** (3 Unit(s) Required)
- Total Studio Foundations

Art History Foundations

- ARTH 210 - Introduction to Art History **Unit(s): 4**
 - ARTH 211 - Introduction to Art History **Unit(s): 4** OR
 - ARTH 160A - Humanities Learning Community **Unit(s): 4** AND
 - ARTH 160B - Humanities Learning Community **Unit(s): 4**
- Total Art History Foundations

Lower Division Studio Breadth Requirement

Choose at least **three** of the following studio courses. At least one course must be taken in a 2D medium and one in 3D medium for a minimum of 8 units:

- ARTS 210 - Introduction to Digital Photography **Unit(s): 3**
 - ARTS 212 - Introduction to Analogue / Darkroom Photography **Unit(s): 3**
 - ARTS 220 - Beginning Painting **Unit(s): 3** (3 Unit(s) Required)
 - ARTS 229 - Beginning Ceramics **Unit(s): 3** (3 Unit(s) Required)
 - ARTS 236 - Beginning Sculpture **Unit(s): 3** (3 Unit(s) Required)
 - ARTS 245 - Beginning Printmaking **Unit(s): 3** (3 Unit(s) Required)
 - ARTS 298 - Selected Topics in Art Studio **Unit(s): 1-4**
- Total Lower Division Studio Breadth Requirement

Upper Division Studio Breadth Requirement

Choose two of the following courses.

- ARTS 302 - Intermediate Drawing **Unit(s): 3**
 - ARTS 304 - Intermediate Life Drawing **Unit(s): 3**
 - ARTS 305 - Special Topics in Photography **Unit(s): 3**
 - ARTS 310 - Intermediate Digital Photography **Unit(s): 3**
 - ARTS 320 - Intermediate Painting **Unit(s): 3**
 - ARTS 329 - Intermediate Ceramics **Unit(s): 3**
 - ARTS 336 - Intermediate Sculpture **Unit(s): 3**
 - ARTS 340 - Intermediate Etching and Woodcut **Unit(s): 3**
 - ARTS 342 - Intermediate Lithography **Unit(s): 3**
 - ARTS 382 - Intermediate Monoprint **Unit(s): 3**
- Total Upper Division Studio Breadth

Upper Division Art History

Choose two courses from the following courses for minimum of 6 units. Only one course from the Museum and Gallery Methods category. ARTH 468 or ARTH 494 can be counted.

** Students in Photo emphasis are required to take ARTH 456 History of Photography.*

- ARTH 420 - Pre-Classical Art **Unit(s):** 3-4
 - ARTH 422 - Greek Art **Unit(s):** 3-4
 - ARTH 430 - Medieval Art In and Around the Mediterranean **Unit(s):** 3-4
 - ARTH 432 - Medieval Art: Post-Millennial Issues **Unit(s):** 3-4
 - ARTH 440 - 15th C. Renaissance Art: Vision, Representation, Space **Unit(s):** 3-4
 - ARTH 442 - The Self-Conscious Italian Renaissance **Unit(s):** 3-4
 - ARTH 444 - Northern Renaissance Art **Unit(s):** 3-4
 - ARTH 450 - Baroque: Object to Artwork **Unit(s):** 3
 - ARTH 452 - Art in the Age of Enlightenment **Unit(s):** 3-4
 - ARTH 454 - Art and the Emergence of Modernity **Unit(s):** 3-4
 - ARTH 456 - The History and Theory of Photography **Unit(s):** 3-4
 - ARTH 460 - History of American Art **Unit(s):** 3-4
 - ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s):** 3-4
 - ARTH 465 - Modern Art from 1945 to 1979 **Unit(s):** 3-4
 - ARTH 466 - Contemporary Art **Unit(s):** 3-4
 - ARTH 467 - Museum Collections Management **Unit(s):** 3
 - ARTH 468 - Curatorial Practice **Unit(s):** 3
 - ARTH 470A - Survey of Islamic Art **Unit(s):** 3-4
 - ARTH 470B - Asian Art **Unit(s):** 3-4
 - ARTH 474 - Topics in Islamic Art **Unit(s):** 3-4
 - ARTH 480 - Selected Topics in Art History **Unit(s):** 1-4
 - ARTH 490 - Seminar in Visual Art and Culture **Unit(s):** 4
 - ARTH 493 - Museum and Gallery Management **Unit(s):** 3
 - ARTH 494 - Museum Theory and Practice **Unit(s):** 3
- Total Upper Division Art History

Areas of Emphasis

To complete a specialized concentration in the major, select a minimum of 12 units from one of the areas of emphasis below. At least 6 units must be at the advanced level.

Specific content of concentrations is detailed below.

- 2D
- 3D
- Photo/Media

ARTS 300 Level - 6 units

ARTS 400 Level - 6 units

Total units in the major emphasis - 12 units

Total units in the major - 53-55

2D Emphasis (Painting, Printmaking & Works on Paper)

Choose from 6 units from the following 300 Level courses. Courses may be repeated once for credit. Specific content of concentrations is detailed below.

^Indicates course that can be repeated for credit.

- ARTS 302 - Intermediate Drawing **Unit(s): 3 ^**
 - ARTS 304 - Intermediate Life Drawing **Unit(s): 3 ^**
 - ARTS 320 - Intermediate Painting **Unit(s): 3 ^**
 - ARTS 340 - Intermediate Etching and Woodcut **Unit(s): 3 ^**
 - ARTS 342 - Intermediate Lithography **Unit(s): 3 ^**
 - ARTS 382 - Intermediate Monoprint **Unit(s): 3 ^**
- Choose from 6 units from the following 400 Level courses, may be repeated for credit.
- ARTS 402 - Advanced Drawing **Unit(s): 3 ^**
 - ARTS 404 - Advanced Life Drawing **Unit(s): 3 ^**
 - ARTS 420 - Advanced Painting **Unit(s): 3 ^**
 - ARTS 440 - Advanced Etching and Woodcut **Unit(s): 3 ^**
 - ARTS 442 - Advanced Lithography **Unit(s): 3 ^**
 - ARTS 482 - Advanced Monotype **Unit(s): 3 ^**
- Total Units in the 2D Emphasis

3D Emphasis (Ceramics & Sculpture)

Choose 6 units from the following 300 Level courses.

^ Indicated course that may be repeated for credit.

- ARTS 329 - Intermediate Ceramics **Unit(s): 3 ^**
 - ARTS 336 - Intermediate Sculpture **Unit(s): 3 ^**
- Choose from 6 units from the following 400 Level courses.
- ARTS 429 - Advanced Ceramics **Unit(s): 3 ^**
 - ARTS 430 - Large Scale Clay and Installation of Ceramic Sculpture **Unit(s): 3**
 - ARTS 435 - Bronze Foundry **Unit(s): 3 ^**
 - ARTS 436 - Advanced Sculpture **Unit(s): 3 ^**
 - ARTS 437 - COMMENCE: Sculpture Projects **Unit(s): 3**
- Total Units in the 3D Emphasis

Photo/Media Emphasis

^ Indicates courses that can be repeated for credit.

Lower Division Core Requirements

- ARTS 105 - Media Art Fundamentals **Unit(s): 3**
 - ARTS 210 - Introduction to Digital Photography **Unit(s): 3**
 - ARTS 212 - Introduction to Analogue / Darkroom Photography **Unit(s): 3**
- Upper Division Art History Requirement

- ARTH 456 - The History and Theory of Photography **Unit(s):** 3-4
Choose from 6 units from the following 300 Level courses
- ARTS 305 - Special Topics in Photography **Unit(s):** 3
- ARTS 310 - Intermediate Digital Photography **Unit(s):** 3
Choose from 6 units from the following 400 Level courses, may be repeated for credit.
- ARTS 457 - Advanced Photography **Unit(s):** 3 ^
- ARTS 458 - Advanced Media Arts **Unit(s):** 3 ^

Units

Total lower-division core units: 22-27 units

Total upper-division core units: 11-13

Total units in major emphasis: 12

Total units in the major: 47

Sample Four-Year Program

Bachelor of Arts in Art - Studio Concentration, Painting Emphasis

** also counts for GE requirements*

Freshman Year: 31 Units

Fall Semester (16 Units)

- ARTS 101 - Art Fundamentals **Unit(s):** 3
- ARTH 210 - Introduction to Art History **Unit(s):** 4
- GE Courses

Spring Semester (15 Units)

- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s):** 3
- Lower Division Studio Course
- ARTH 211 - Introduction to Art History **Unit(s):** 4
- GE Courses

Sophomore Year: 30 Units

Fall Semester (14 Units)

- ARTS 202 - Beginning Drawing **Unit(s):** 3 (2 Unit(s) Required)
- Lower-Division Studio Course
- GE Courses

Spring Semester (16 Units)

- ARTS 204 - Beginning Life Drawing **Unit(s): 3** (2 Unit(s) Required)
- Lower-Division Studio Course
- GE Courses

Junior Year: 30 Units

Fall Semester (15 Units)

- Upper-Div. Studio Emphasis
- ARTS 302 - Intermediate Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTH 465 - Modern Art from 1945 to 1979 **Unit(s): 3-4 *** (3 Unit(s) Required)
- ARTS 491 - Visiting Artists' Lecture Series **Unit(s): 1**
- GE Courses

Spring Semester (15 Units)

- Upper-Div. Studio Emphasis
- Upper-Division Studio Elective
- Upper-Division Studio Course
- GE Courses

Senior Year: 30 Units

Fall Semester (15 Units)

- Upper-Div. Studio Emphasis
- ARTH 466 - Contemporary Art **Unit(s): 3-4** (3 Unit(s) Required)
- Art Electives
- General Elective

Spring Semester (15 Units)

- Upper-Div. Studio Emphasis
- Art Electives
- General Electives

Total Units: 120

Art: Studio Concentration

Degree Requirements	Units
General education	48

Major core requirements	70
Electives in art	14

Total units needed for graduation 132

The B.F.A. is comprised of a group of core courses representing minimum requirements for all areas of emphasis, plus course requirements in studio arts, art history, a B.F.A. seminar, and a B.F.A. professional practices course. Students accepted into the program decide on an area of emphasis from the following choices: painting, photography, printmaking, and sculpture.

1. Throughout the B.F.A. program, candidates must maintain a 3.00 GPA in art and a high level of performance and will be subject to review at all times. Advisors will direct students in their specific course of study based on regular critiques.
2. To complete the program, candidates will meet all course work for the degree and participate in the B.F.A. art exhibition, which will be reviewed by the art faculty to determine the candidate's professional competence in a chosen area of emphasis.
3. In order to receive the B.F.A. Degree, students must complete 24 upper-division units in art in residence. (May be included within the University's unit residency requirement.)

Major Core Requirements

Freshman and Sophomore Years

** FLC = a Freshman Learning Community, taught over two semesters; counts for GE areas A1 and C3*

Complete two of the following courses for a total of 4 units:

- ARTS 202 - Beginning Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTS 204 - Beginning Life Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTS 105 - Media Art Fundamentals **Unit(s): 3**

Junior and Senior Years

Complete the following 5 courses:

Minimum required 15

- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s): 3-4** (4 Unit(s) Required)
- ARTH 465 - Modern Art from 1945 to 1979 **Unit(s): 3-4** (4 Unit(s) Required)
- ARTH 466 - Contemporary Art **Unit(s): 3-4** (3 Unit(s) Required)
- ARTS 465 - B.F.A. Seminar **Unit(s): 1-4**
- ARTS 466 - B.F.A. Portfolio Artists' Practices **Unit(s): 3**
- ARTS 491 - Visiting Artists' Lecture Series **Unit(s): 1**

Choose any combination of the following to total 5 units:

Minimum required 5

- ARTS 302 - Intermediate Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTS 304 - Intermediate Life Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTS 402 - Advanced Drawing **Unit(s): 3** (3 Unit(s) Required)
- ARTS 404 - Advanced Life Drawing **Unit(s): 3** (3 Unit(s) Required)

Areas of Emphasis

In addition to the major core requirements, each B.F.A. student must complete one of the following 34-unit emphases:

- Painting
- Photography
- Printmaking
- Sculpture

Units

Total lower-division core units: 14-18

Total upper-division core units: 20-22

Total units in the emphasis: 34

Total units in the major: 70

Applied Arts, Minor

The minor in applied arts consists of 18 units. At least 6 of these units must be upper division. To fulfill the minor, students are expected to complete 9 units of activity courses (3 units in each of three fields selected from art, English, music, and theatre arts), as well as a concentration consisting of 9 additional units in one of three fields.

Students embarking on the applied arts minor are expected to develop and file a contract indicating the courses they wish to take to fulfill the minor. Certain course substitutions to the below-stated requirements may be allowed with sufficient justification and approval of the student's advisor and department chair, both of whom will be members of the department of the student's concentration.

Activity Courses

Select three fields from the following four (art, English, music, and theatre arts) and complete 3 units in each field selected.

Art

(Any beginning-level faculty-instructed studio course)

- ARTS 202 - Beginning Drawing **Unit(s): 3**
- ARTS 204 - Beginning Life Drawing **Unit(s): 3**
- ARTS 210 - Introduction to Digital Photography **Unit(s): 3**

- ARTS 212 - Introduction to Analogue / Darkroom Photography **Unit(s): 3**
- ARTS 220 - Beginning Painting **Unit(s): 3**
- ARTS 229 - Beginning Ceramics **Unit(s): 3**
- ARTS 236 - Beginning Sculpture **Unit(s): 3**
- ARTS 245 - Beginning Printmaking **Unit(s): 3**
- ARTS 273 - Arts and Literature: Critical and Creative Readings and Renderings **Unit(s): 4**
- ARTS 298 - Selected Topics in Art Studio **Unit(s): 1-4**

English

- ENGL 342 - Children's Literature **Unit(s): 4**

One literary genre course selected from the following:

- ENGL 367 - Introduction to Short Story **Unit(s): 4**
- ENGL 369 - Introduction to Poetry **Unit(s): 4**

Music

- MUS 105 - Music Theory for Non-Majors **Unit(s): 4**

Any combination of the following, to total 3 units:

- MUS 325 - Symphonic Chorus **Unit(s): 1-2** (1 Unit(s) Required)
- MUS 327 - Symphonic Wind Ensemble **Unit(s): 1-2** (1 Unit(s) Required)
- MUS 400 - Music for the Classroom **Unit(s): 2**
- MUS 115 - Vocal Methods **Unit(s): 1**
- MUS 415 - Vocal Methods **Unit(s): 1**
- MUS 118 - Guitar Methods **Unit(s): 1**
- MUS 418 - Guitar Methods **Unit(s): 1**

Theatre Arts

- THAR 101 - Making Theatre **Unit(s): 3**
- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 460 - Drama for Children **Unit(s): 2**
AND
- THAR 470 - Dance for Children **Unit(s): 2**
AND
- THAR 110 - Dance Fundamentals **Unit(s): 1**

Units

Total units in activity courses: 9

Total units in concentration: 9

Total units in minor: 18

Concentration Courses

To earn the minor in Applied Arts, students must also complete a 9-unit concentration in one of the three fields previously selected. The following are concentration courses:

- Art, Minor
- English, Minor
- Music, Minor
- Theatre Arts, Minor

Art History, Minor

Complete All of the Following

- ARTH 210 - Introduction to Art History **Unit(s): 4 OR**
- ARTH 160A - Humanities Learning Community **Unit(s): 4**

- ARTH 211 - Introduction to Art History **Unit(s): 4 OR**
- ARTH 160B - Humanities Learning Community **Unit(s): 4**

- ARTH Upper-division courses (except modern)
- ARTH Upper-division modern or non-Western course

Any beginning studio course

- ARTS 101 - Art Fundamentals **Unit(s): 3**
- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3**
- ARTS 103 - Safety and Shop Practices **Unit(s): 1**
- ARTS 104 - Studio Art Foundations **Unit(s): 4**
- ARTS 105 - Media Art Fundamentals **Unit(s): 3**
- ARTS 202 - Beginning Drawing **Unit(s): 3**
- ARTS 204 - Beginning Life Drawing **Unit(s): 3**
- ARTS 210 - Introduction to Digital Photography **Unit(s): 3**
- ARTS 212 - Introduction to Analogue / Darkroom Photography **Unit(s): 3**
- ARTS 220 - Beginning Painting **Unit(s): 3**
- ARTS 229 - Beginning Ceramics **Unit(s): 3**
- ARTS 236 - Beginning Sculpture **Unit(s): 3**
- ARTS 245 - Beginning Printmaking **Unit(s): 3**

Units

Total units needed for the minor 20

Recommended Electives for Art History Minors

- Upper-division art history courses

Art, Minor

Requirements

- ARTH 210 - Introduction to Art History **Unit(s): 4 OR**
- ARTH 211 - Introduction to Art History **Unit(s): 4**
- ARTS Additional activity courses

Art: Studio Concentration, Minor

Complete all of the following:

- ARTS 101 - Art Fundamentals **Unit(s): 3**
- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3**
- ARTH 210 - Introduction to Art History **Unit(s): 4 (4 Unit(s) Required)**
AND
- ARTH 211 - Introduction to Art History **Unit(s): 4 (4 Unit(s) Required) OR**
or
- ARTH 160A - Humanities Learning Community **Unit(s): 4**
AND
- ARTH 160B - Humanities Learning Community **Unit(s): 4**
- Studio courses at any level
- Upper-division studio courses

Units

Total units in the minor: 21-22

Museum and Gallery Methods, Career Minor

The career minor in museum and gallery methods provides students of the visual arts with education, training, and hands-on experience in the theory and practice of non-profit museums and galleries. Art History and Art Studio majors completing this career minor will be in much stronger positions to find work and prepare for graduate study in fields closely related to their majors. The career minor in museum and gallery methods may also be combined with any other major.

Internships are available in the University Art Gallery and at regional galleries, museums, and other related nonprofit organizations.

PROGRAM ADVISOR

Michael Schwager, Art Gallery
Art Building 106
(707) 664-2720

Requirements for the Career Minor In Museum and Gallery Methods

To earn the career minor in museum and gallery methods, students must complete the following 20 units:

- ARTS 105 - Media Art Fundamentals **Unit(s):** 3
- ARTH 466 - Contemporary Art **Unit(s):** 3-4
- ARTH 467 - Museum Collections Management **Unit(s):** 3
- ARTH 468 - Curatorial Practice **Unit(s):** 3
- ARTH 493 - Museum and Gallery Management **Unit(s):** 3
- ARTH 494 - Museum Theory and Practice **Unit(s):** 3
- ARTH 499 - Internships **Unit(s):** 1-4

Units

Total units in the minor: 20

Chicano and Latino Studies

Department Office
Nichols Hall 214
(707) 664-2486
web.sonoma.edu/cals/

Department Chair
Ronald López

Administrative Coordinator
Kate Sims

for faculty information, please see Faculty or the CALS faculty web page.

The CALS Major

The Department of Chicano and Latino Studies (CALS) offers students an interdisciplinary curriculum that centers on the experiences of Chicanos and Latinos in many areas of contemporary American society, including politics, education, literature, the arts, and religion. The focus is on gaining greater insight into the relationship between historical, social, political, and ideological circumstances and Latina/o cultures and identities. The major considers the historical and contemporary experiences of Chicanos and Latinos in the United States. Students are free to choose, based on their interests and future career plans, a particular area of emphasis in which to complete their major electives. The flexibility of major requirements makes the CALS major ideally suited for students interested in pursuing a double major.

The overall curriculum provides majors with a solid basis in theoretical and applied analysis covering qualitative and critical methods of study. Students develop the necessary skills to understand the key role Chicanos will increasingly play in the future, given the rapidly changing demographics of the nation.

The department also offers a teacher preparation track designed to prepare students for courses and state exams that are part of the teaching credential certification process for elementary school teachers.

Future Careers

Students in the major embark on a variety of career paths after graduation. CALS graduates are optimally prepared for work in both the public and private sectors. They are broadly trained, culturally astute professionals who are

able to work with diverse populations and who can take on the challenges of many different careers. Students are encouraged to consider their future careers while still in the program and to choose electives in accordance with their plans. Students in the teacher-preparation track have been optimally prepared to pursue the coursework and testing necessary to obtain a multiple subjects teaching credential in California. Majors in the interdisciplinary studies track who focus on the study of language and culture often pursue careers in teaching, migrant and bilingual education, publishing, cultural centers or graduate study in art, literature, cultural studies, or ethnic studies. Students who choose a social studies emphasis will acquire a solid basis of knowledge for work in human resources, community development, public service or advocacy work, as well as further study in health services, social welfare, psychology, sociology and political sciences.

How to pursue interest in the major

Freshman Students

Enroll in CALS 219 - The Latino Experience, or in the CALS Learning Community.

Transfer or Junior-level Students

Students who are considering the major are encouraged to enroll in CALS 339, CALS 432 or CALS 451 during their first semester at SSU. These courses offer an excellent introduction to the major and its interdisciplinary approach while fulfilling the upper-division and ethnic studies GE requirement.

Chicano and Latino Studies, Interdisciplinary Track, B.A.

Chicano and Latino Studies, Teacher Preparation Track, Multiple Subjects Program, B.A.

Chicano and Latino Studies, Minor

Students are to select two courses minimum (8 units) from the CALS core, with additional classes selected from CALS electives (12 units). In some cases students may apply and transfer one course (only) from another department (likely their major) to the CALS minor.

The following two options for a specific emphasis for the CALS minor are often of interest:

Social Science emphasis

- CALS 350 - Latino Cultural Studies **Unit(s): 4**
- CALS 339 - Latinos and the U.S. Labor Market **Unit(s): 3-4 OR (4 Unit(s) Required)**
- CALS 432 - Latinas/os and Globalization **Unit(s): 4**
- CALS 405 - The Chicano/Latino Family **Unit(s): 3-4 OR (4 Unit(s) Required)**
- CALS 442 - Race, Class, and Gender Among Latinos **Unit(s): 4**
- CALS 445 - Chicano/Latino History **Unit(s): 4**
- CALS 458 - CALS Research and Methodology **Unit(s): 4**
- CALS 395 - Community Involvement Program (CIP **Unit(s): 1-4 OR**
- Service Learning Project (optional)

Units

Total units required 20-24

Spanish emphasis

- CALS 225 - Spanish for Bilinguals **Unit(s): 4 OR**
- SPAN 202 - Intermediate Spanish, 2nd Semester **Unit(s): 4**

One additional course in advanced-level Spanish required (up to two permitted), selected from the following:

- SPAN 301 - Advanced Composition and Conversation **Unit(s): 4**
- SPAN 305 - Introduction to Literature **Unit(s): 4**
- SPAN 307 - Cultures of Latin America **Unit(s): 4**

Communication and Media Studies

Department Office
Nichols Hall 364
(707) 664-2149
coms.sonoma.edu

Department Chair
Ed Beebout

Administrative Coordinator
Shelly Stephens

For faculty information, please see Faculty or the COMS faculty web page.

Bachelor of Arts in Communication Studies

The Communication and Media Studies major is an innovative, interdisciplinary program that prepares students for careers in the media or for advanced graduate study.

Communication and Media Studies coordinates three distinct approaches to the media: practical application, historical study, and critical analysis. Practical application combines basic training in equipment operation, communication skills, production design, organizational skills, and a professional internship. Historical study focuses on the evolution of the mass media and the relationship of the mass media to society. Critical analysis explores media ethics and the analysis and evaluation of specific mediated texts using qualitative and quantitative methods.

Students are encouraged to develop a specific advisory plan with the assistance of a faculty advisor. Advisory plans, based on the student's specific interests, may focus on:

- General areas such as journalism, media criticism, or public relations;
- Media such as radio, television, online, and newspapers;
- Career roles such as television producer, sports announcer, or reporter; and/or
- Preparation for graduate school.

Students are required to take an internship. The department emphasizes internships that provide students with real-world insights into the media. The department has developed professional media internships with community organizations, radio and television stations, newspapers, magazines, public relations firms, and other media groups.

All on-campus media operate in conjunction with Communication and Media Studies classes. On-campus media offer a variety of opportunities for students. They include the *Star*, the student newspaper; KSUN, an Internet radio station; Studio Blue, the campus television station that provides news, information, and entertainment; and Primitivo PR, the campus public relations firm.

Students are also required to take Senior Seminar, in which they complete a senior project. This project combines their academic training in the major with a real world application.

Careers in Communication and Media Studies

Graduates from the department find employment in the mass media and in the ever-growing field of communication. Some graduates find work by using their technical skills in radio, video, and computers. Others rely on their training and experience to find jobs in the broad field of public relations. They write for and edit

newspapers and newsletters, and design brochures and flyers. They are photographers and are even employed by candidates running for public office. In addition, graduates design websites, edit films, produce documentaries, videotape weddings, record music, and serve as disc jockeys.

Past graduates have become lawyers and teachers, run employment agencies, are hired as fundraisers, private investigators, and work in law enforcement. Communication and Media Studies graduates work in corporate or non-profit organizations doing sales, publicity, or marketing. Wherever communication takes place and whenever media are used, Communication and Media Studies graduates can be found.

Communication Studies, B.A.

Degree Requirements	Units
General Education	48
Major Requirements	44
University Electives	28

Total units needed for graduation 120

Communication and Media Studies is a high-demand major. On-campus change of majors are limited by the number of students who can be served by the faculty and facilities of the program.

- **Major Core:** All students complete 24 units of required coursework.
- **Major Skill:** All students complete 4 units of skill coursework.
- **Major Outlet:** All students complete 8 units of media outlet coursework.
- **Major Electives:** All students complete 8 units of COMS elective coursework.

Core Courses

(24 Units Required)

- COMS 200 - Principles of Media Communication **Unit(s): 4 OR**
- COMS 160A - Humanities Learning Community **Unit(s): 4**
AND
- COMS 160B - Humanities Learning Community **Unit(s): 4**

- COMS 202 - Methods of Media Criticism **Unit(s): 4 OR**
- COMS 162A - Humanities Learning Community Media Literacy **Unit(s): 4**
AND
- COMS 162B - Humanities Learning Community Media Literacy **Unit(s): 4**

- COMS 301 - Media Theory and Research **Unit(s): 4**
- COMS 302 - Media Ethics and Law **Unit(s): 4**
- COMS 402 - Senior Seminar **Unit(s): 4**
- COMS 499 - Media Internship **Unit(s): 1-4 (4 Unit(s) Required)**

Skill Courses

(4 units required - additional units can be used for COMS elective credit)

- COMS 201 - Video Production **Unit(s): 4**
- COMS 210 - Web and Print Journalism **Unit(s): 4**
- COMS 240 - Public Relations **Unit(s): 4**
- COMS 265 - Radio and Audio Production **Unit(s): 4**
- COMS 320 - Selected Topics in COMS **Unit(s): 4** (e.g. Advanced Video Production)
- COMS 322 - Broadcast Journalism **Unit(s): 4**
- COMS 323 - Health Science and Environmental Journalism **Unit(s): 4**
- COMS 325 - New Media **Unit(s): 4**
- COMS 326 - Advanced Presentation Techniques **Unit(s): 4**

Media Outlets

(8 units required- additional units can be used for COMS elective credit)

- COMS 340 - Public Relations Firm **Unit(s): 4**
- COMS 368 - Newspaper Writing/Editing (STAR **Unit(s): 4**)
- COMS 369 - Studio Blue **Unit(s): 4**
- COMS 385 - Media Lab: Radio (KSUN **Unit(s): 4**)

Major Electives

(8 units are required)

Note: 4 Elective Units are also earned by any of the following: 1) The COMS 160A/COMS 160B LC or COMS 162A/COMS 162B which yields 4 Elective units for the year; 2) Taking an extra/additional Skill or Media Outlet course; or 3) Taking an approved course in another Arts and Humanities department.

- COMS 273 - SYRCE: Topics in COMS **Unit(s): 4**
- COMS 275 - 21st Century Television As Art **Unit(s): 4**
- COMS 320 - Selected Topics in COMS **Unit(s): 4** (e.g. Sports Talk)
- COMS 321 - International Communication **Unit(s): 4**
- COMS 435 - Seminar in Mass Media **Unit(s): 4**

Units

Total units in major: 44

Sample Four-Year Plan for Bachelor of Arts in Communication Studies

Freshman must take the COMS Learning Community COMS 160A/COMS 160B, A3 and C3 or COMS 162A/COMS 162B, A3 and C3). Change of majors or transfers must enroll for COMS 200 and COMS 202 (or equivalent transfer credit). COMS 160A/COMS 160B satisfies the COMS 200 and COMS 162A/COMS 162B satisfies the COMS 202 requirement (LC alternates every other year), and yields 4 COMS Elective units.

Bachelor of Arts in Communication Studies

Freshman Year: 30 Units

Fall Semester (14 Units)

- COMS 160A - Humanities Learning Community **Unit(s): 4 OR**
- COMS 162A - Humanities Learning Community Media Literacy **Unit(s): 4**
- GE Area B4
- GE Area A2
- GE Area A1

Spring Semester (16 Units)

- COMS 160B - Humanities Learning Community **Unit(s): 4 OR**
- COMS 162B - Humanities Learning Community Media Literacy **Unit(s): 4**
- GE Area B1
- University Elective
- GE Area D2
- GE Area C1

Sophomore Year: 30 Units

Fall Semester (16 Units)

- GE Area B2
- GE Area D3
- GE Area C2
- University Elective
- COMS 200 - Principles of Media Communication **Unit(s): 4 OR**
- COMS 202 - Methods of Media Criticism **Unit(s): 4**

Spring Semester (14 Units)

- GE Area D4
- GE Area B3
- GE Area D1
- COMS Skill Course

Junior Year: 30 Units

Fall Semester (15 Units)

- Upper-Division GE Area D5
- Upper-Division GE Area E
- Upper-Division University Elective
- COMS 302 - Media Ethics and Law **Unit(s): 4**

Spring Semester (15 Units)

- Upper-Division GE
- GE Elective
- COMS 301 - Media Theory and Research **Unit(s): 4**
- COMS Outlet Course

Senior Year: 30 Units

** Students must take in their senior year*

Fall Semester (15 Units)

- Upper-Division University Elective
- Upper-Division University Elective
- COMS 499 - Media Internship **Unit(s): 1-4 (4 Credit(s) Required) ***
- COMS Outlet Course

Spring Semester (15 Units)

- Upper-Division University Elective
- COMS 402 - Senior Seminar **Unit(s): 4 ***
- COMS Elective
- COMS Outlet Course

Total Units: 120

Film Studies, Minor

The minor consists of a minimum of 18 semester units distributed among a core (7 units) and a choice of electives (11 or more units).

Minor Core Requirements

(2 courses, 7 units)

- LIBS 320C - Elective Seminar Core C **Unit(s): 3**

Multicultural Representations in Film

(Students choose one of the following courses):

- AMCS 392 - Ethnic Images in Film and Media **Unit(s): 4**
- CALS 393 - Chicano/Latino Cinema **Unit(s): 4**
- LIBS 204 - Minorities in American Cinema **Unit(s): 4**
- NAMS 338 - Native Americans and The Cinema **Unit(s): 4**

Minor Electives

(a minimum of 11 units)

Students may complete the film studies minor by choosing *additional* course work that incorporates film analysis, history, imagery, or cultural representation as a critical component of the course pedagogy. Note that any course taken in the core may not be repeated for elective credit. The following is a list of approved electives. However, this list of electives may not be exhaustive, as course offerings may change each semester. Students are advised to work closely with one of the faculty advisors listed above in order to ensure progress in the minor.

Note: Some of these courses are offered in departments that are impacted, and may not be open to all students.

** Note: This class may count as an elective if it has not been used to satisfy the core requirements.*

***Note: Students may not enroll in both AMCS 390 and LIBS 390 during the same semester.*

- AMCS 390 - SFI Film Study **Unit(s):** 1-2 **
- AMCS 392 - Ethnic Images in Film and Media **Unit(s):** 4 *
- CALS 393 - Chicano/Latino Cinema **Unit(s):** 4 *
- COMS 320 - Movies and Cultures **Unit(s):** 4
- COMS 320 - Screenwriting for Film
- COMS 329 - "Reality" TV and Film **Unit(s):** 4
- ENGL 377 - Topics in Film Studies **Unit(s):** 1-4
- ENGL 430 - Creative Writing: Select Genres **Unit(s):** 1-4
- MLL 214 - World Literatures in English **Unit(s):** 4
- FR 201 - Third-Semester French **Unit(s):** 4
- GER 210 - Intermediate German through Film **Unit(s):** 4
- LIBS 204 - Minorities in American Cinema **Unit(s):** 4 *
- LIBS 209 - Bollywood and Globalization **Unit(s):** 4
- LIBS 320C - Documentary Ethics and Aesthetic **Unit(s):** 3
- LIBS 320C - Bollywood 90 **Unit(s):** 3
- LIBS 390 - Independent Film Study **Unit(s):** 1-2 **
- NAMS 338 - Native Americans and The Cinema **Unit(s):** 4 *
- POLS 431 - Politics and the Media **Unit(s):** 4
- PSY 413 - Adolescent Development through Film **Unit(s):** 4
- PSY 470 - Psychology of Film **Unit(s):** 4
- SOCI 434 - Cinema and Society **Unit(s):** 4
- WGS 285 - Men and Masculinity **Unit(s):** 3

Units

Total units in the minor core: 7

Total units in the minor electives: 11

Total units in the minor: 18

English

Department Office
Nichols Hall 362
(707) 664-2140
english.sonoma.edu/

Department Chair
Stefan Kiesbye

Administrative Analyst
Sandra Piantanida

For faculty information, please see Faculty or the English faculty web page.

English remains one of the most various, comprehensive, and liberalizing of the liberal arts. It familiarizes us with the written documents that define the past and give meaning and purpose to the present; it investigates the sources and structure of language; it enriches our awareness of language in written and oral forms; it stirs the creative and recreative impulses; and it provides us with multiple ways to envision our world and ourselves through the study of fiction, poetry, drama, and both expository and creative non-fiction.

The English Department is one of the University's largest departments. In addition to its majors, the department serves many other students who take English courses to improve their writing, to develop a minor or double major field, or to pursue interests in some aspect of literature, language, or creative writing. English is the field most frequently chosen by students combining fields of study in an interdisciplinary major—for example, literature and sociology; literature and history; literature and art; and linguistics and psychology.

Students who wish to major in English may choose one of three concentrations in the major, each of which provides a coherent program with a particular emphasis. After a core of required courses, students will follow programs leading to a major in English and American Literature, creative writing, or secondary teaching, which prepares students to enter postbaccalaureate teacher credentialing programs.

Learning Outcomes

While specific learning objectives are developed in accord with the department's specific fields of study (the three major concentrations, the California Cultural Studies program, the two tracks of the department's graduate studies program), the department concurs upon a generalized cluster of learning goals it sees as fundamental for undergraduate and graduate students alike. These department-wide learning goals include the following:

Skills

- The ability to read texts closely and to articulate the value of close reading in the study of literature and rhetoric.
- The ability to explicate texts written in a wide variety of forms, styles, structures, and modes.
- The ability to recognize and appreciate the importance of major literary genres, subgenres, and periods.
- The ability to respond imaginatively to the content and style of texts.
- The ability to write clearly, effectively, and imaginatively, and to accommodate writing style to the content and nature of the subject.
- The ability to develop and carry out research projects and to articulate them within appropriate conceptual and methodological frameworks.

Knowledge

- An understanding of the historical development of the English language and of literature written in English from Old English to the present.
- An understanding of the relations between culture, history, and texts.
- An understanding of the twofold nature of textual analysis:
 1. objective study from varied analytical perspectives
 2. subjective experience of the text's aesthetic.
- Familiarity with a wide range of British and American literary works, as well as with selected authors and works of other literatures, including folk and popular forms.
- Familiarity with a wide range of literary terms and categories within literary history, theory, and criticism.
- Familiarity with the nature of literary canons and of canon-formation.
- Familiarity with basic practices of literary research and documentation, including electronic forms of information retrieval and communication.

Experiences

- The exchange of ideas with faculty and students in classroom settings and office visits.
- The ability to complete cooperative projects with other students in discussion groups, writing activities, and study sessions.
- Involvement in the cultural life of the University.

Values

- A sustained interest in language and literature.
- An awareness of the literary past.
- An enriched understanding of the complexities and nuances of the human experience across time and culture.
- Interest and involvement in intellectual, aesthetic, cultural, and sociopolitical issues.
- Increased critical awareness and intellectual independence.

The English Department also serves students in the applied arts minor, which may be of special interest to those seeking the Multiple Subject (elementary level) Teaching Credential and the University's pre-law and pre-health professions programs.

The English Department publishes the following professional and student publications: *Zaum* and *Volt*, *A Magazine of the Arts*. Students wishing to participate in the production of these publications should contact the English Department office.

To be admitted to the English major, students must receive a grade of at least B- in ENGL 101 and ENGL 214 or their equivalents. A student with a grade lower than B- in either ENGL 101 or ENGL 214 may petition for a review by the department. The review will be based on the contents of an appeal folder, containing three essays from the class being reviewed, and a one-to-two-paragraph explanation of the basis of appeal.

Career Opportunities

Students who have majored in English work in journalism, publishing, business, public relations and advertising, broadcasting, law and government service, as well as in elementary, secondary, and college teaching. All of these fields require an understanding of human motivation and of the conflicts and dilemmas that people face. Our graduates enter those fields able to express themselves clearly, logically, and with passion. They understand the relationship between language and community.

Creative Writing

Creative writing is offered in the English Department through both undergraduate and graduate degrees. A master of arts in English with a creative thesis option is available as a 34-unit program, and the bachelor of arts in English with a creative writing emphasis is a 48-unit program. Sequences of courses are available in fiction writing, poetry writing, screen and script writing, and nonfiction writing.

Creative writing faculty includes poet **Gillian Conoley**, winner of several Pushcart Prizes for poetry, a National Endowment for the Arts award, a Fund for Poetry Award, the Jerome Shestack Award from *The American Poetry Review*, and a nominee for the National Book Critics' Circle Award. She is the author of *The Plot Genie*, *Profane Halo*, *Lovers in the Used World*, *Beckon*, *Tall Stranger*, and *Some Gangster Pain*. Her work has been anthologized in over 20 national and international anthologies, including the Norton Anthology *American Hybrid*, several *Best American Poetry* collections, *The Pushcart Prize Anthology*, and *Lyric Postmodernisms*.

Gillian Conoley has taught at the Iowa Writers' Workshop, Tulane University, Vermont College MFA Program, and the University of Denver.

Stefan Kiesbye is the author of five books of fiction. He studied drama and worked in radio in Berlin, Germany, before receiving an MFA in creative writing from the University of Michigan. His stories, poems and essays have appeared in numerous magazines and anthologies. His first book, *Next Door Lived a Girl*, won the Low Fidelity Press Novella Award; the novella has also been translated into German, Dutch, Spanish and Japanese. Kiesbye's second novel, *Your House Is on Fire, Your Children All Gone*, was published by Penguin in 2012. It was a Top Ten pick of *Oprah Magazine*, made *Entertainment Weekly's* Must List, and *Slate* editor Dan Kois named it one of the best books of the year. It was translated into German and Spanish and is forthcoming from East Press, Japan. In Spring 2014, the literary thriller *Messer, Gabel, Schere, Licht* (Knife, Fork, Scissors, Flames) was published by Tropen Verlag/Klett-Cotta, Germany. *Die Welt* wrote that "Stefan Kiesbye...is the inventor of the modern German Gothic novel." His LA Noir *Fluchtpunkt Los Angeles* (Vanishing Point) was released in January 2015, and his most recent novel, *The Staked Plains*, in November 2015.

Noelle Oxenhandler is the author of three non-fiction books: *A Grief Out of Season*, *The Eros of Parenthood*, and *The Wishing Year*, (Random House 2008). Her essays, which have been frequently anthologized, have appeared in many national and literary magazines, including *The New Yorker*, *The New York Times Magazine*, *Vogue*, *"O" Magazine*, *Tricycle*, and *Parabola*. Her work has been listed in *The Best Essays of the Year* collection and included in both *The Best Spiritual Essays of the Year* and *The Best Buddhist Essays of the Year* collections. She has been a regular guest teacher in the Graduate Writing Program at Sarah Lawrence College.

Greg Sarris, author, screenwriter, and scholar, holds the Endowed Chair in Native American Studies within the School of Arts and Humanities. Sarris has published several books of fiction and nonfiction, including the widely anthologized collection of essays, *Keeping Slug Woman Alive: A Holistic Approach to American Indian Texts*, *Watermelon Nights*, *Mabel McKay: Weaving the Dream*, *The Woman Who Loved a Snake*, and *Grand Avenue*, which was made into an HBO miniseries Sarris wrote and co-produced with Robert Redford. Sarris holds a Ph.D. from Stanford University and has previously taught at Loyola Marymount University in Los Angeles and UCLA. He currently serves as chairman of his tribe, the Federated Indians of Graton Rancheria.

Through the **Writers at Sonoma Series**, internationally and nationally prominent writers, publishers, and agents are invited each year to read and conduct seminars and workshops for students in the program. Visitors to the campus and the program have included Rae Armantrout, Yusef Komunyakaa, Lawrence Weschler, David Halberstam, Ishmael Reed, Clark Coolidge, D.A. Powell, C.S. Giscombe, Jessica Mitford, Allen Ginsberg, Lawrence Ferlinghetti, Charles Bernstein, Lyn Hejinian, Tom Wolfe, Czeslaw Milosz, Edward Albee, Kurt Vonnegut Jr., Michael Palmer, Donald Revell, Jane Miller, James Ellroy, Wanda Coleman, Lynn Freed, and Yiyun Li. Writers at Sonoma Series is funded by Instructionally Related Activities and the Nadenia Newkirk Fund for writers.

The well-regarded student literary magazine **ZAUM** is published through the Small Press Editing course offered by the English Department every semester. Students can learn every aspect of literary editing and publishing, including layout, design, and copy editing through this course. A paid position for a student as senior editor is available each year.

VOLT is the highly acclaimed national award-winning magazine which publishes nationally and internationally known authors. Winner of three Pushcart prizes and numerous grants, VOLT is committed to innovative writing. Students can work on the magazine by arrangement with instructor and through the Small Press Editing course. VOLT is edited by poet Gillian Conoley.

The SSU creative writing program is a member of the Associated Writing Programs. For program details, please refer to the English Department section in this catalog.

English, B.A.

Degree Requirements	Units
General education	48
Major requirements, core (24 units) and concentration (24 units)	48
General electives	24
Total units needed for graduation	120

Major Core Requirements for All English Majors

(Except secondary teaching concentration students; please see English Education Concentration (Secondary Teaching Prep), B.A.)

An Introductory Course

Complete the following course:

- ENGL 201 - Literary Analysis: Seminar **Unit(s): 4**

Two Surveys of Literature

Complete both of the following courses:

- ENGL 235 - Early British & American Literature **Unit(s): 4**
- ENGL 236 - Later British & American Lit. **Unit(s): 4**

A Shakespeare Course

Complete one of the following courses:

- ENGL 339 - Introduction to Shakespeare **Unit(s): 3-4** (4 Unit(s) Required)
- ENGL 439 - Studies in Shakespeare **Unit(s): 4**

A Survey of Literature in a Distinct Ethnic/Cultural Tradition

Complete the following course:

- ENGL 350 - Survey in a Distinct Ethnic Tradition **Unit(s): 4**

A Theory Course

Complete one of the following courses:

- ENGL 401 - Introduction to Modern Critical Theory **Unit(s): 4**
- ENGL 402 - Introduction to Digital Humanities **Unit(s): 4**
- ENGL 403 - Contemporary World Literature: Form and Practice **Unit(s): 4**
- ENGL 487 - Studies in Rhetoric **Unit(s): 4**

Units

Total units in the major core: 24

Concentrations

Note: *English majors must choose one of three concentrations:*

Literature Concentration

Creative Writing Concentration

English Education Concentration (Secondary Teaching Prep), B.A.

Advising Clarifications for all Concentrations

1. At least 24 units of the courses listed above must be upper-division.
2. There are several ways in which major coursework may include GE units from areas A, C, or D. Students should consult with faculty about the relationship between their GE and Major coursework.
3. The 48 units listed above will be used in computing the major GPA in accordance with University policy; no courses taken Cr/NC may be counted toward the major unless they are offered with that option only.
4. Additional units in English, beyond the 48 units listed above, will be counted as general college electives and should not be listed on the Major/Minor Requirements form.

In accordance with University policy, courses in Independent Study (ENGL 495, ENGL 595) shall not duplicate regularly offered courses listed in our catalog.

English, M.A.

The graduate program in English at Sonoma State University consists of 34 units of graded work. Literary Criticism, Creative Writing, and Rhetoric/English Education are emphases within the degree available to the student.

Admission to the Program

The English Department M.A. program accepts applicants only for the fall semester of each year and requires at least a 3.00 GPA in the last 60 academic units taken. Program applicants must file the University application form via Cal State Apply (<https://www2.calstate.edu/apply>) and have all their academic transcripts sent to the University Admissions and Records Office by the admission deadline set by the department for that year, typically March.

At the same time, applicants must also upload the following: three letters of recommendation; a brief cover letter indicating the applicant's interest in the program and anticipated field of study (creative writing, literary criticism, or rhetoric/composition); a sample of persuasive prose of between 10 and 20 pages in length; and, for those applying in creative writing, a sample of creative work. These policies and procedures are described in the "MA in English Handbook," which is available online at: <http://www.sonoma.edu/english/programs/ma-program.html>.

The English Department Graduate Committee reviews all complete application files that meet campus and departmental admission standards and admits the most qualified of these applicants to the program. Applicants may enter the program with conditional or classified status. Classified status is usually granted to admitted applicants with undergraduate majors in English; conditionally classified status, which requires the completion of 4 to 24 additional units in English, is usually granted to admitted applicants with an undergraduate major in another field. Please see the catalog section on Graduate Degrees for more information.

Advancement to Candidacy

Students are advanced to candidacy when they have 1) completed 28 units of coursework (except for 6 completion units), and 2) passed either the department's qualifying written exam or the Literature GRE (minimum score at the 65th percentile). Advancement to candidacy is formalized by the filing of a GS01 form with Graduate Studies.

Program Requirements

The M.A. in English requires 34 units. Students complete 28 units through coursework; the remaining 6 will be taken either as thesis units (599) or, for the creative writing track, as directed writing units (535). No more than 4 units of directed writing units (535) may be counted toward the degree prior to the culminating option. Both options require candidates to take English 500 and two 500-level literature seminars. Two courses in English may be taken at the 400 level for degree credit.

Research assistantship units (460) do not count toward the 34-unit total; nor, except at the discretion of the graduate coordinator, do independent study units (595).

Those choosing the creative writing option are required to write a creative thesis, together with an introduction, and to give a public presentation of their work. Students in literary criticism and Rhetoric/English Education are required to write a thesis and to defend this project after it has been completed.

Film Studies

Minor Program Office, Communication & Media Studies
Nichols Hall 364
(707) 664-2149

Minor, Program Coordinator: Talena Sanders, Communication Studies, Film Studies
(707) 664-3389
sanderta@sonoma.edu

Film Studies is an interdisciplinary area of inquiry that analyzes the theory, history, practice, and cultural significance of film. Students will study a broad range of film texts and learn to appreciate a variety of aesthetic and filmmaking practices. Through a critical examination of film, students will also learn to appreciate the moral and aesthetic values of various cultures, ethnicities, races, and nationalities. While exploring film's connection with culture, students will learn to approach film and the cinema in a critical and analytical manner.

Film Studies Learning Objectives

Film Studies students will have well developed skills in:

- Understanding the social, cultural, historical, and political perspectives of film
- Analyzing film and media texts rapidly changing the world
- Interpreting and expressing concise arguments in oral and written communications
- Applying the knowledge of film and history to their chosen areas of interest
- Developing the critical and analytical skills to evaluate emerging new media forms

Careers in Film Studies

Film studies students can apply their skills to a wide variety of professions. Those specifically dealing with television, media, and film include press agent, content developer, media administration, production editorial assistant, film librarian, screen writing and editing, and social relations.

Film Studies, M.A.

Admission to Film Studies, M.A. has been suspended as of Fall 2020. For continuing students, please see the following description.

The Master of Arts in Film Studies program is a unique interdisciplinary degree designed to develop students' knowledge of film as an aesthetic medium and as an agent of social change. The program is dedicated to enhancing student understanding of film as a mode of communication and as a distinct art form as well as developing skills in using film and digital media as tools for advocacy.

This interdisciplinary program is a partnership between the School of Arts and Humanities, and the School of Extended and International Education (SEIE.) As a self-supported program, unique separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, admission requirements, and student support services are available through SEIE. Academic criteria for the program are determined in accordance with all applicable SSU and CSU policies. Degrees are awarded by the School of Arts and Humanities.

Additional Master's Learning Objectives and Career Skills

Students completing the MA in Film Studies will have skills in

- Integrating knowledge from multiple interrelated fields to develop interdisciplinary projects
- Collaborating with filmmakers on larger projects including documentary features
- Formulating new areas of media research and designing independent media projects

They will be

- Engaged media professionals committed to enacting and documenting social change
- Prepared to be independent film and media scholars and practitioners
- Educated to be leaders in their professions

Requirements for Admission

1. A Bachelor's degree from an accredited college or university;
2. A minimum of 3.00 GPA for the last 60 Units of academic work. Students with a lower GPA may be considered on a space-available basis;
3. Two letters of recommendation, completion of program application;
4. A brief narrative describing past and present experience with film and film studies, including any film-related coursework or creative projects completed.

For more information, please refer to Graduate Degrees in the Degree Requirements section of this catalog.

Requirements for the M.A.

1. Advancement to candidacy form (GSO1) fully signed and submitted to the Graduate Studies office;
2. Grade point average of 3.00 or better for all work attempted in graduate status and in all work approved as a part of the specific pattern of study. With the approval of the faculty coordinator, a maximum of 9 units of upper-division or graduate-level academic coursework at an accredited institution may be included as a part of the student's specific pattern of study. All courses are to be taken for a letter grade;
3. Passage of the Written English Proficiency Test (WEPT) or equivalent demonstration of writing competency;
4. Completion of Requirements form (GSO2) must be fully signed and submitted to the Graduate Studies Office;
5. All requirements for the M.A. degree in Film Studies, including written proficiency, and conditional requirements stipulated at the time of admission and candidacy, must be satisfactorily completed within seven years from the time the student completes the first course in the program; and
6. With the approval of the Faculty Advisor, the satisfactory completion of one of the following two options:

Master's Thesis Option

Graduate Courses (500 level)

Note: up to 10 units of appropriate 300-400 level coursework may be substituted for FILM 503 classes upon approval of the faculty advisor.

- FILM 500 - Introduction to Film and Media Theory **Unit(s): 4**
- FILM 501 - Film and Narrative **Unit(s): 4**
- FILM 502 - Documentary Film and Social Advocacy **Unit(s): 4**
- FILM 503 - Film and Cultural Studies **Unit(s): 4** (various topics)
- FILM 599 - Thesis and Accompanying Directed Reading **Unit(s): 6**

Creative Project Option

Graduate Courses (500 level)

- FILM 500 - Introduction to Film and Media Theory **Unit(s): 4**
- FILM 501 - Film and Narrative **Unit(s): 4**
- FILM 502 - Documentary Film and Social Advocacy **Unit(s): 4**
- FILM 503 - Film and Cultural Studies **Unit(s): 4**
- FILM 510 - Digital Storytelling I **Unit(s): 4**

- FILM 515 - Digital Storytelling II **Unit(s):** 4
- FILM 535 - Directed Film or Creative Project **Unit(s):** 6

Units

Total Units required for MA Master's Thesis Option: 30

Total Units required for the MA Creative Project Option: 30

Hutchins School of Liberal Studies

Department Office
 Rachel Carson Hall 44
 (707) 664-2491
 hutchins.sonoma.edu

Director
 Stephanie Dyer

For faculty information, please see Faculty or the Hutchins faculty web page.

Overview

A nationally recognized leader in the movement for reform in higher education, the Hutchins School has maintained its commitment to innovative pedagogy and interdisciplinary inquiry into vital issues of modern concern since its inception in 1969. The program is designed to encourage students to take themselves seriously as readers, writers, and thinkers capable of continuing their own educational process throughout their lives.

The Hutchins School is an interdisciplinary school within Sonoma State University offering lower-division students an alternative CSU articulated and approved General Education program that integrates material from the humanities, the social sciences, and the natural sciences. It also offers upper-division students a similarly integrated major in Liberal Studies leading to a B.A. degree. It offers a multiple subject preparation program for pre-credential students, and a blended program leading to a B.A. and multiple subject teaching credential in four years. A minor in integrative studies is offered, as well.

The Hutchins School has several distinctive features:

- An emphasis on active participation in one's own education, on self-motivation, and on learning to learn
- Small, seminar classes
- Close cooperation and a feeling of community among students and professors
- A diverse faculty, each member trained in more than one field of study, to help students learn how to approach a problem from several points of view
- Courses organized around themes or questions, rather than according to the traditional division of subject matter into disciplines
- Encouragement to engage in independent study projects and study abroad programs
- Internship/field study to bridge academic studies with career placements and community service
- An opportunity for student-instructed courses

Hutchins is also committed to offering students opportunities for contributing to and learning from local communities. Some courses include a service learning component which enhances the reading, writing, and discussion of shared materials through applied service projects. These courses provide hands-on experience for

students while also creating valuable partnerships with local community organizations. Through service, Hutchins students can draw connections between what they discuss in seminar with how they live their lives, enabling them to integrate critical thinking, active participation, and careful reflection.

Students in other majors may complete a Hutchins School integrative studies minor to help place their disciplines in a wider intellectual context.

Careers in Liberal Studies

Hutchins School graduates do especially well in teaching, counseling, social services, law, media, journalism, and many types of businesses. They have entered graduate programs in fields as diverse as American studies, anthropology, business, counseling, English, history, law, library science, management, medieval studies, physics, religion, sociology, student services and theatre arts.

Students seeking a preparation for teaching credential in elementary education can enroll in the Track II: Subject Matter Preparation for the Multiple Subject Teaching Credential. If freshmen prefer an accelerated track, they can enroll in the Track III: Blended Program, which allows them to complete their B.A. degree and complete all requirements for the Multiple Subject Teaching Credential in four years. Students may transfer to another SSU program at the end of any semester without loss of credit successfully completed in the Hutchins program.

Whatever their particular interests, all Hutchins students are challenged to read perceptively; to think both critically and imaginatively; to express their thoughts and feelings in writing, speech, and other media; and to make productive use of dialogue and discussion. By developing these skills, students will be ready to take a position in a democratic society as thoughtful, active citizens conversant in a broad range of disciplinary perspectives. Through seminar discussions, essays, research, and other assignments, students will be prepared for a wide variety of careers in which creative, independent thinking and effective written and oral communication are the prime requisites.

Admission

In general, the Hutchins School accepts students at the freshman or junior level for fall admission only, although Spring admissions are made depending on space availability. When applying to the University, all students seeking admission to the Hutchins School should list Liberal Studies Hutchins, as their major.

Students applying as freshmen are recommended to test into college level English. Students seeking admission into the Hutchins Blended Program as freshmen are recommended to test into college level English and math. Students already at Sonoma State seeking admission into the Hutchins program must undergo a separate application process by February 28 for the fall semester and October 30 for the spring semester deadlines may be extended on a case by case basis. Students can begin this application process by contacting the Hutchins Main Office. Students seeking admission to Track II as junior transfers must complete all lower-division general education requirements, with specific requirements in the following areas. Students may take these courses while enrolled in the major: :

- BIOL 110 - Biological Inquiry (or equivalent)
- Chemistry, physics, or astronomy course
- Geology or physical geography
- MATH 150 - Modern Geometry (General Education math may fulfill this requirement for off-campus transfers)
- A course in the history of the visual arts, focused on drawing, painting, or sculpture
- A survey or history course in the performing arts: dance, music, or theatre

Degree Requirements

Units

General Education Lower-Division (May include 48 units in LIBS Integrative GE)	48
Major Requirements (up to 3 units may be applied to upper GE Area E)	40
General Education Upper-Division (Waived upon completion of Tracks II or III)	9
SSU Electives (Track I) or Subject Matter Preparation (Track II)	23
Total units needed for graduation	120

Liberal Studies (Hutchins) B.A.

Options for the bachelor's degree include: **Track I**, the General Liberal Studies Major plan; **Track II**, the Subject Matter Preparation (pre-credential) plan; and **Track III**, the Blended Program/B.A. plus Multiple Subject Credential.

The general core pattern for the major in all three tracks is outlined in the table below. During their first semester in the upperdivision, all new transfer students are required to take LIBS 302. In this course, students work on the skills required in the major, develop their own learning plans, and begin the portfolio, a document the student expands throughout the upper-division and brings to a close in LIBS 402 - Senior Synthesis . LIBS 302 is a prerequisite for all upper-division Hutchins core seminar courses. Students continuing from Hutchins lower-division, however, are exempt from LIBS 302. Any student earning a grade lower than a C in LIBS 302 will not be allowed to continue in the Hutchins program. Grade of C- or better required for all major courses.

Also, in each of their first two semesters, students will take a key course designed to involve them in a critique of some of our most fundamental beliefs and values, viewed in a worldwide context. (Please see LIBS 204/LIBS 304/LIBS 205 and LIBS 208/LIBS 308/LIBS 209.)

Upper Division Major Core Requirements

* requirement met for LIBS Lower Division General Education Program students

- LIBS 302 - Introduction to Liberal Studies **Unit(s): 3 ***

Choose one of the following:

- LIBS 304 - We Hold These Truths **Unit(s): 3**
- LIBS 204 - Minorities in American Cinema **Unit(s): 4**
- LIBS 205 - Topics in American Culture **Unit(s): 4**

One course from each of 3 core areas:

- LIBS 320A - Elective Seminar Core A **Unit(s): 3 OR**
- LIBS 321A - Elective Course in Core A **Unit(s): 3**
- LIBS 320B - Elective Seminar Core B **Unit(s): 3 OR**
- LIBS 321B - Elective Course in Core B **Unit(s): 3**
- LIBS 320C - Elective Seminar Core C **Unit(s): 3 OR**

- LIBS 321C - Elective Course in Core C **Unit(s): 3**

Capstone Course:

Units

Total units Hutchins Core: 19-20

Major Requirements Track I Interdisciplinary Studies: 19-20

Major Requirements Track II Multiple Subject Preparation (Pre-Credential): 21-22

Major Requirements Track III Blended Multiple Subject Teacher Preparation + Credential: 18

Total Unites in Major Track I Interdisciplinary Studies: 40

Total Unites in Major Track II Multiple Subject Teacher Preparation (Pre-Credential): 40-42

Total Unites in Major Track III Blended Multiple Subject Teacher Preparation + Credential: 34-35

Core Seminars

Building on the foundations laid in the key courses, the student chooses at least one seminar from each of the following four core areas:

Core A Society and Self

Core B The Individual and the Material World

Core C The Arts and Human Experience

Core D Consciousness and Reality

The core seminars are a key element of the curriculum in the Hutchins Major. Core areas are designed to ensure that the intensive learning experience provided in the small seminar format is spread across the disciplinary spectrum, although all core courses offer an interdisciplinary perspective on a particular theme.

Concentrations

- Track I: Interdisciplinary Studies Major, B.A.
- Track II: Multiple Subject Preparation Program (Pre-credential elementary teaching), B.A.
- Track III: Blended Program (4 year accelerated plan B.A. Plus Multiple Subject Credential), B.A.

Liberal Studies (Saturday Degree Completion), B.A.

Program Website web.sonoma.edu/exed/libs

The Saturday Hybrid BA Degree Completion Program is designed for those who have completed junior transfer requirements. It offers an alternative route to a Bachelor of Arts degree for working adults or others whose schedules do not permit them to attend regular campus classes. Instruction is organized around one on-campus meeting for a full Saturday each month, combined with weekly online discussions and ongoing reading and writing assignments.

Coursework in the program is designed to investigate current issues and to allow students to explore their own interests. Students stay with their cohort throughout the program as different professors guide the seminars each semester.

This Special Sessions program is a partnership between the School of Arts and Humanities and the School of Extended & International Education (SEIE). As a self-support program, unique, separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, admission requirements, and student support services is available through SEIE. Academic criteria for the program are determined in accordance with all applicable SSU and CSU policies. Degrees are awarded by the School of Arts and Humanities.

Learning Objectives Liberal studies graduates will have well-developed skills in:

1. Oral and written communication
2. Synthesizing information from many sources
3. Collaborative learning
4. Research and documentation
5. Project planning and execution
6. Understanding the global context of current issues

Requirements for the Major

The Saturday Hybrid BA is a degree completion program; applicants must meet minimum SSU transfer requirements, see Upper-Division Transfer Requirements in the Admissions section of this catalog. Individual pre-admissions counseling is available from the Program Advisor for qualified applicants. Notes on requirements: The first course in the program, LIBS 380, must be completed with a C or better. A student who does not work well within the program framework may receive credit for the course with a terminal C but not be allowed to continue in the program. Continuing students must earn a C average for all courses in the major; no course with a grade lower than C- will be accepted. Up to 9 units of the upper-division general education requirement (see the Degree Requirements section of this catalog) will be waived upon completing all four required major courses.

- LIBS 380 - Identity and Society **Unit(s):** 10
- LIBS 381 - Technology and the Environment **Unit(s):** 10
- LIBS 382 - Work and the Global Future **Unit(s):** 10
- LIBS 470 - Senior Project **Unit(s):** 10

Units

Lower-Division General Education (minimum): 39

Electives (varies depending on general education): 41

Total Units needed for the major: 120

Integrative Studies, Minor

The Hutchins minor is designed to help the student in a traditional discipline understand the relation that his or her major field of study bears to a number of other areas of inquiry and expertise. The minor consists of 20 units, taken in the Hutchins School, and is distributed as follows:

Students must complete LIBS 202 or LIBS 302 before they will be allowed to take a seminar (LIBS 320). In consultation with an advisor, students select interdisciplinary core seminars and other courses offered in the major, and then complete LIBS 402 or LIBS 403 during their final semester, examining the student's major field of study in relation to other disciplinary perspectives.

Minor Requirements

- LIBS 302 - Introduction to Liberal Studies **Unit(s):** 3 (exempt for students continuing from the LIBS lower division)
- LIBS 403 - Senior Synthesis-Study Away **Unit(s):** 4

Choice of courses from the following:

(13 units total)

- LIBS 304 - We Hold These Truths **Unit(s):** 3
- LIBS 204 - Minorities in American Cinema **Unit(s):** 4
- LIBS 205 - Topics in American Culture **Unit(s):** 4
- LIBS 308 - The Practice of Culture **Unit(s):** 3
- LIBS 208 - Practices of Culture **Unit(s):** 4
- LIBS 209 - Bollywood and Globalization **Unit(s):** 4
- LIBS 320 **Units:** 3
- LIBS 321A - Elective Course in Core A **Unit(s):** 3
- LIBS 321B - Elective Course in Core B **Unit(s):** 3
- LIBS 321C - Elective Course in Core C **Unit(s):** 3
- LIBS 321D - Elective Course in Core D **Unit(s):** 3
- LIBS 310 **Unit(s):** 1-4
- LIBS 410 - Independent Study **Unit(s):** 1-4
- LIBS 399 - Student-Taught Courses **Unit(s):** 2

Units

Total units: 20

Jewish Studies

Program Coordinator and Advisor

Brian Wilson

Green Music Center, 2045

(707) 664-2468

brian.wilson@sonoma.edu

jewishstudies.sonoma.edu/

For faculty information, please see Faculty or the Jewish Studies faculty web page.

History and About

Religion has always been one of the world's most powerful forces. It has served to bring communities together, and it has also served to divide them. It has been the reason why people have come together in the name of peace, and has been the reason why people have gone to war. It has been at the forefront of some of the world's most triumphant moments, and it has also been responsible for some of its darkest ones.

Education is at the core of the movement to use religion to foster positive change, interfaith understanding, and cultural diversity. As many Jewish communities around the United States are experiencing a revitalized interest in Judaism and creating new forms of cultural expression, they have observed the need to face up to the polarization of people along religious lines while still maintaining a pride and respect for their own traditions.

Students of all kinds have expressed a desire to understand how ethnicity and religion function on both the local and world stages. Approximately 10 percent of Sonoma State University students are Jewish, and many of them want to learn more about their heritage. Non-Jewish students have also flocked to the program, and we have responded to their participation by opening up the curriculum. While it remains focused on Jewish Studies, it also explores religion at large in an effort to understand how faith has affected the lives of all people worldwide, not just Jews. As a result of our efforts, almost half of our students are non-Jews.

The Jewish Studies Program is intended to serve the entire community. It introduces Judaism, Jewish history, and Jewish culture to a wide range of people in order to provide a forum for discussion and activism in response to crucial contemporary issues. It promotes understanding of how faith has affected the lives of all people in an attempt to bring them together.

Please join us in supporting our efforts.

Objectives

- To provide a forum for people of all backgrounds to discuss the political, social, and economic impact of religion on the world
- To provide Jewish students with the opportunity to learn about their heritage
- To provide people with the tools necessary to promote interfaith understanding and cultural diversity through the study of religion
- To provide Sonoma State University students with the opportunity to receive a minor degree in Jewish Studies

Jewish Studies, Minor

The Minor in Jewish Studies offers students from any major on the SSU campus a cross-disciplinary concentration in the study of Jewish religion, culture, and people. Jewish Studies is by its very nature an interdisciplinary field of study, blending courses from a wide range of academic disciplines and perspectives. For a minor in Jewish studies, students must take three core courses and eight additional elective units of courses from at least two different areas of study.

Minor Core Requirements

- JWST 200 - Introduction to Jewish Studies **Unit(s): 4**
- JWST 255 - Evolution of Anti-Semitism: through history, literature, religion and art **Unit(s): 4**
- JWST 355 - Modern European Jewish History **Unit(s): 4**

Units

Total units in the minor core: 11-12

Elective units in the minor: 8

Total units in the minor: 19-20

Minor Electives

In addition to the core, choose 8 units of electives from other Jewish Studies courses in at least two of the following areas of study. All SSU majors may select the minor in Jewish Studies. Additional courses may be counted toward the minor with approval of the Jewish Studies program coordinator. Cross-listed courses listed below without the JWST designation will count for the Jewish Studies minor pending approval of the Jewish Studies program coordinator.

Course Offerings and Areas of Study

Religion, Philosophy, and Values

- AMCS 481 - Special Topics **Unit(s): 1-4** (4 Unit(s) Required)
- JWST 250 - Introduction to Judaism **Unit(s): 4**
- JWST 251 - Topics in Jewish Biblical Studies **Unit(s): 3-4**
- JWST 351 - Topics in Jewish Religion-Jewish Holidays **Unit(s): 4**
- JWST 352 - Topics in Jewish Thought-Good and Evil in Jewish Law **Unit(s): 4**
- JWST 391 - Topics in Comp. Religion-Judaism, Christianity, and Islam **Unit(s): 4**
- SOCI 431 - Sociology of Religion **Unit(s): 4**

Language

- HEBR 101 - Elementary Modern Hebrew - First Semester **Unit(s): 4**
- HEBR 102 - Elementary Modern Hebrew - Second Semester **Unit(s): 4**
- HIST 487 - Introduction to Egyptian Language and Culture **Unit(s): 4**

History

- JWST 241 - Jewish History I-From Biblical History to Diaspora Jews **Unit(s): 4**
- JWST 242 - Jewish History II-From the 16th Century to Modern Times **Unit(s): 4**
- JWST 341 - Topics in Jewish History: Judaism and Christianity of the Greco-Roman Period **Unit(s): 4**
- AMCS 370 - Topics in Ethnic/Multicultural Studies **Unit(s): 4**
- HIST 303 - The Ancient Near Eastern Texts **Unit(s): 4**
- HIST 304 - History of the Arabs to 1453 **Unit(s): 4**
- HIST 342 - The Jewish Dispersion **Unit(s): 4**
- HIST 349 - Historical Themes **Unit(s): 2-4**
- HIST 371 - Tolerance and Intolerance in Europe **Unit(s): 2-4**
- HIST 375 - Special Topics and Themes in American History **Unit(s): 1-4**
- HIST 469 - Religion in America **Unit(s): 4**

- HIST 482 - Judaism and Christianity in the Formative Period **Unit(s): 4**

Culture and Society

- JWST 330 - American Jewish Experience **Unit(s): 4**
- JWST 360 - Jewish Literature **Unit(s): 3**
- JWST 361 - Topics in Jewish Literature-Jewish Literature in Eastern Europe **Unit(s): 4**
- JWST 381 - Topics in Jewish Art, Film, Music, Culture, and Society - Jews on Screen in the 20th Century **Unit(s): 3-4**
- JWST 421 - Topics in Israeli Art, Film, Music, Culture, & Society - Jerusalem in Israeli Cinema and Literature **Unit(s): 3-4**
- AMCS 330 - Multicultural History of the United States **Unit(s): 4**
- AMCS 470 - Advanced Studies in Ethnic Culture **Unit(s): 4**
- ANTH 358 - Topics in Sociocultural Anthropology **Unit(s): 4**
- ARTH 474 - Topics in Islamic Art **Unit(s): 3-4**
- ARTH 480 - Selected Topics in Art History **Unit(s): 1-4**
- ENGL 472 - Studies in the Novel **Unit(s): 4**
- ENGL 482 - Studies in American Literature **Unit(s): 4**
- ENGL 483 - Individual Authors: American **Unit(s): 4**
- GEOG 396 - Special Topics in Area Studies: Middle East **Unit(s): 4**
- MUS 343 - Studies in Musical Genres **Unit(s): 3** (when a Jewish topic) Yiddish Musica Theater **OR** Survey of Jewish Musics
- POLS 446 - International Relations of the Middle East: Israel, the Palestinians, and the United States **Unit(s): 4**
- POLS 307 - Perspectives on the Holocaust and Genocide **Unit(s): 4**
- POLS 486 - Selected Issues: International Politics **Unit(s): 3-4** (3 Unit(s) Required)
- THAR 430 - Special Topics **Unit(s): 1-3**
- WGS 311 - Special Topics in Women and Gender Studies **Unit(s): 1-4**

Other Courses

Other courses with area to be designated based on course content

- JWST 331 - Topics in Jewish American Studies **Unit(s): 3-4**
- JWST 371 - Topics in Jewish Studies-The Jewish Experience in the American South ("Shalom Y'all" **Unit(s): 3-4**
- JWST 431 - Advanced Topics in Jewish American Studies-Orthodoxy in America **Unit(s): 4**

Linguistics

Program Office

Nichols 362

(707) 664-2504

english.sonoma.edu/academic-programs/linguistics-minor-english-department

The fundamental concern of linguistics is with description and explanation of the interrelatedness of thinking and using language. This concern takes many forms: among others, inquiry into the nature of language as speech or signing, as knowledge, and as communication; inquiry into the history of languages and how languages change; inquiry into how language is acquired, and into the nature of language learning and teaching.

The linguistics minor offers grounding in general linguistic principles, together with the widest possible selection of elective courses. Through this study plan, students are able to develop interests in particular areas of linguistics as strong complements to majors in related disciplines.

As of Fall 2010, the Teaching English as a Second Language program will be offered by the SSU School of Education. Students interested in TESL training should contact Prof. Karen Grady in the School of Education about the M.A. in TESOL.

It is possible to develop an interdisciplinary major with a strong emphasis in linguistics (please see the Interdisciplinary Studies section in this catalog). Interested persons should contact both the interdisciplinary studies program coordinator and the linguistics program coordinator.

Also, through the special emphasis in the anthropology major (please see the Anthropology section in this catalog), a student may create a course of study in linguistic anthropology that incorporates a number of the linguistics program courses.

Linguistics, Minor

Students majoring in English or other fields may develop, in consultation with one of the linguistics program advisors, a 20-unit linguistics minor.

Required: one introductory linguistics course (to be selected from ENGL 203, ENGL 341, or SPAN 304), and one methodological course (to be selected from ENGL 489, ENGL 588, ANTH 480, SPAN 400, or SPAN 490). All courses must be taken for a grade to count toward the minor. At least nine units must be taken in residence at SSU.

For a minor in linguistics, students must complete 20 units as follows:

Minor Core Requirements

One of the following introductory courses:

- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s):** 3
- ENGL 203 - Introduction to Linguistic Studies **Unit(s):** 4
- ENGL 341 - Explorations in Language **Unit(s):** 4
- SPAN 304 - Introduction to Spanish Linguistics **Unit(s):** 4

One of the following courses in linguistic methods:

* Course counts toward linguistics methodology requirement if course topic is methodological.

- ANTH 480 - Studies of Language Use **Unit(s):** 4
- ENGL 489 - Topics in Linguistics **Unit(s):** 4 *
- ENGL 588 - Seminar: Study of Language **Unit(s):** 4 *
- SPAN 400 - Special Topics in Linguistics **Unit(s):** 4 *
- SPAN 490 - Seminar in Linguistics **Unit(s):** 4 *

Minor Electives

Students pursuing a linguistics minor need to take an additional 8-9 elective units in courses with linguistic components selected in consultation with a program advisor, for a total of 20 units. These elective course include (but are not limited to):

- All courses offered by the linguistics program;
- All courses mentioned above as satisfying linguistics minor requirements; and
- Pre-approved elective courses:
 - AMCS 355 - Language and Ethnicity **Unit(s): 4**
 - ANTH 380 - Language, Culture, and Society **Unit(s): 4**
 - ANTH 382 - Language Change **Unit(s): 4**
 - ANTH 383 - Language in Sociopolitical Context **Unit(s): 4**
 - ANTH 386 - Sign Languages and Signing Communities **Unit(s): 4**
 - ENGL 379 - Structure of English: Pedagogical Grammar **Unit(s): 4**

Units

Total Units in the Minor Core: 11-12

Total elective units in the minor: 8-9

Total units in the minor: 20

Modern Languages and Literatures

Department Office
Carson Hall 18
(707) 664-2351
web.sonoma.edu/modlang/

Department Chair
Jeffrey T. Reeder

Administrative Coordinator
Linnea Mullins

For faculty information, please see Faculty or the Modern Languages faculty web page.

The programs and courses of the Department of Modern Languages and Literatures make accessible to students the languages, literatures, and cultures of France and the Francophone world, Germany and the German-speaking countries, and Spain and Latin America. We recognize students' need for linguistic competency and cultural sensitivity in the multilingual, multicultural world in which they will live and work. Thus, language is taught as an integral part of its cultural context. Programs and courses are designed to complement academic work in many other fields. For further information please consult the department's website at www.sonoma.edu/modlang/.

The Department of Modern Languages and Literatures offers major and minor programs in French and Spanish, a minor program in German, and a Master of Arts program in Spanish. In addition, the department offers courses in World Literatures in English, participates in First- and Second-Year Experience through the Freshman Humanities

Learning Community (HLC) and Second Year Research and Creative Experience (SYRCE), and provides an advising pathway for the Interdisciplinary Studies Special Major in German Cultural Studies and for the French Language certificate for Wine Business. Modern language courses are taught in the target language; functional control of all language skills (reading, writing, listening comprehension, and speaking) is a primary goal.

It is highly advisable that students combine a major or minor in modern languages with a major or minor in another discipline. Coursework, minors, and majors in modern languages complement specialized knowledge and expertise in other academic areas. The structure of the modern languages major programs facilitates the planning of double majors and minors. In addition to majors and minors offered by other departments, interdisciplinary and career minor programs of special interest to Modern Languages students include the Global Studies minor and the minor in linguistics.

Careers in Modern Languages and Literatures

The importance of early and frequent consultation with departmental advisors cannot be overstressed. It is the key to meaningful access to academic and career opportunities, including internships both at home and abroad. Through careful academic planning, the study of modern languages and literatures can open a wide range of career options in such fields as international business, wine business, government service, domestic and international human services, travel, librarianship, translating and interpreting, and journalism. Many department alumni have pursued work in the Peace Corps and various other nonprofit entities; others have earned teaching credentials or advanced degrees in their discipline and teach at the elementary, secondary, or post-secondary levels. A degree in a second language is also an excellent preparation for a career teaching English to speakers of other languages (TESOL). The Department of Modern Languages and Literatures successfully prepares students for graduate programs in a wide variety of fields, most of which recommend or require second language proficiency.

International Programs

Through the International Programs of the California State University, Sonoma State University students may spend an academic year in residence at a university abroad. Courses taken abroad through the International Programs count as residence units in all University programs and can be integrated into an overall academic plan. For further information, contact the Center for International Education, (707) 664-2582, located in the International Hall.

Placement in Modern Language Courses

The faculty of the Department of Modern Languages and Literatures will assist students in selecting the appropriate course level.

Students with this many years in high school language courses should enroll in courses in this level:

0 Years Placement in 101

1 Year Placement in 102

2 Years Placement in 102

3 Years Placement in 200/201

4 Years Placement in 200/201

Students who have taken an Advanced Placement (AP) exam and scored 3, 4, or 5 should contact an advisor in that language for specific information regarding placement and credit.

Please note that placement can be very individual, particularly for heritage speakers of a language. Any students who have reason to believe that their language skills are more advanced than this table would imply should consult with the instructor of the course in which they think they would benefit most.

Transfer students with college credit in a modern language may not receive credit for SSU courses in the same language that duplicates previous work. Exceptions may be made by the chair of the department when the following conditions are met:

1. The courses involved are lower-division; and
2. The original study was accomplished three or more years prior to enrollment in the equivalent course at Sonoma State University.

Four-year graduation plans for students pursuing the bachelor of arts in French or Spanish are detailed below. Please see an advisor for details.

Course Challenges

Students may challenge courses, as provided in University procedures (please see more information in the Admissions section of this catalog). It is essential that students interested in this possibility consult instructors of the courses they wish to challenge at the start of the semester.

Grade Requirements

Undergraduate Progression and Retention in Modern Languages Programs:

Students must maintain a minimum grade of C- in each course required for the major in French or Spanish; otherwise, the student will not be permitted to graduate in the programs. The student may repeat the course if she/he does not earn the minimum grade. The student must receive a grade of C- or better when the course is repeated. This policy also applies to courses taken at other institutions, abroad or in the United States.

Bachelor of Arts in the Special Major: German Cultural Studies

For information about the Bachelor of Arts in the Special Major: German Cultural Studies, see Interdisciplinary Studies . You may also contact the coordinator Michaela Grobbel (grobbel@sonoma.edu; (707) 664-2673).

French, B.A.

The purpose of the French major is to enable students to attain an advanced level of competency in speaking, listening, reading, and writing, and to provide them with a comprehensive knowledge of the historic and contemporary culture and institutions of France and the Francophone world. The French language is studied not as an end in itself, but as a vehicle for students' broader and more informed participation in their chosen fields. Students who study French at SSU also have the option of completing a portion of the course work in France (Paris or Aix-en-Provence) or in Canada, and should visit the International Programs Office for details.

Degree Requirements	Units
General education (44 units, 4 in major)	44
Major requirements	32
General electives	44

Total units needed for graduation 120

Note: Students should note the prerequisites for upper-division courses.

Major Requirements

Complete the following 32 units:

- FR 202 - Oral French **Unit(s): 4**
- FR 300 - Introduction to Literary Analysis and Critical Writing **Unit(s): 4**
- FR 320 - France Yesterday **Unit(s): 4**
- FR 321 - France Today **Unit(s): 4**
- FR 410 - French Literature **Unit(s): 4**
- FR 411 - French Literature **Unit(s): 4**
- FR 415 - Special Topics in French Culture **Unit(s): 4**
- FR 475 - Senior Seminar **Unit(s): 4**

Units

Total units in the major: 32

Sample Four-Year Program

French, B.A.

Variations are easily accommodated in the sequencing of GE requirements, but should be made in consultation with an advisor. Note that courses designated as "elective or minor" total 38 units and could easily accommodate a second major (depending on the selected double major, which might require one or two additional courses). Careful planning and early identification of a second major make this feasible. A variation would be to complete the junior or senior year in the CSU International Program, meeting some upper-division French requirements in a single year, and completing the second major in the other upper-division year at SSU.

** Either B1 or B3 must have a lab.*

*** Counts as C3.*

**** Important to take World History before upper-division French.*

***** Can be an early prerequisite for business majors or minors, and might be taken earlier, or later, for those who decide at a later date on an internationally-oriented career other than business.*

§ Advantage of taking D3 and D4 together: understanding the U.S. Constitution in connection with U.S. history.

Freshman Year: 30 Units

Fall Semester (15 Units)

- FR 101 - First-Semester French **Unit(s): 4 ****
- GE A2

- MLL 161A - Behind the Scenes: Global Perspectives through Film **Unit(s): 2**
- MLL 161B - Behind the Scenes: Global Perspectives through Film **Unit(s): 2**
- GE B4

Spring Semester (15 Units)

- FR 102 - Second-Semester French **Unit(s): 4 ****
- GE C1
- GE B1 *
- Elective or Minor

Sophomore Year: 31 Units

Fall Semester (15 Units)

- FR 201 - Third-Semester French **Unit(s): 4 ****
- GE B3 *
- GE B2
- SYRCE MLL 273 - World Literatures: Critical and Creative Readings **Unit(s): 4**

Spring Semester (16 Units)

- FR 202 - Oral French **Unit(s): 4 ****
- GE D3 §
- GE D4 §
- GE D2 ***
- GE D5 ****

Junior Year: 30 Units

Fall Semester (15 Units)

- FR 300 - Introduction to Literary Analysis and Critical Writing **Unit(s): 4**
- FR 321 - France Today **Unit(s): 4**
- GE D1 (UD)
- Elective or Minor

Spring Semester (15 Units)

- FR 411 - French Literature **Unit(s): 4**
- FR 415 - Special Topics in French Culture **Unit(s): 4**
- GE E1 (UD)
- Elective or Minor

Senior Year: 29 Units

Fall Semester (15 Units)

- FR 320 - France Yesterday **Unit(s): 4**
- Elective or Minor
- FR 314 - French Literature in English Translation **Unit(s): 4**
- Elective or Minor

Spring Semester (14 Units)

- FR 410 - French Literature **Unit(s): 4**
- FR 475 - Senior Seminar **Unit(s): 4**
- Elective or Minor
- Elective or Minor

Total Units: 120

Spanish, B.A.

The culture and literary traditions of Spain, the growing interest in the politics, culture, and commerce of Latin America, the proximity of Mexico, and the presence of a large Spanish-speaking population in California and the University's service area all contribute to the shaping of the curriculum of the Spanish program and provide excellent reasons for the study of Spanish. The Spanish program offers a full range of courses in language, literature, and culture, as well as interdisciplinary concentrations. Courses taken abroad in the CSU International Programs, may be counted toward the major or minor, with the exception of SPAN 490 and SPAN 491 (at least one of which must be taken in residence at SSU).

Degree Requirements	Units
General education (44 units, 4 in major)	48
Major requirements	36
Electives/Other	36

Total units needed for graduation 120

Spanish Placement Evaluation

Students are encouraged to have a placement evaluation. Please see a program advisor for proper course placement.

Lower-Division Spanish Courses

These courses are prerequisites for the upper-division courses in the major and minor. Some or all of these courses or their equivalents may be waived by virtue of prior language study, courses in transfer, or placement in higher level courses.

- SPAN 101 - Basic Spanish, First Semester **Unit(s): 4**
- SPAN 102 - Basic Spanish, Second Semester **Unit(s): 4**

- SPAN 201 - Intermediate Spanish, 1st Semester **Unit(s): 4**
- SPAN 202 - Intermediate Spanish, 2nd Semester **Unit(s): 4**

Electives

- SPAN 150 - Elementary Conversation **Unit(s): 2**
- SPAN 250 - Intermediate Conversation **Unit(s): 2**

Major Requirements

For the major, students must complete SPAN 300 or SPAN 300H, SPAN 301, SPAN 304, SPAN 305, SPAN 306, SPAN 307, and three classes at the 400 level, at least one of which must be SPAN 490 or SPAN 491 (490 or 491 must be taken in residence at SSU):

- SPAN 300 - Advanced Spanish Language **Unit(s): 4 OR**
- SPAN 300H - Advanced Spanish Language for Native/Heritage Speakers **Unit(s): 4**
- SPAN 301 - Advanced Composition and Conversation **Unit(s): 4**
- SPAN 304 - Introduction to Spanish Linguistics **Unit(s): 4**
- SPAN 305 - Introduction to Literature **Unit(s): 4**
- SPAN 306 - Cultures of Spain **Unit(s): 4**
- SPAN 307 - Cultures of Latin America **Unit(s): 4**

Plus, any two of the following courses:

- SPAN 400 - Special Topics in Linguistics **Unit(s): 4**
- SPAN 401 - Authors of Spain **Unit(s): 4**
- SPAN 402 - Latin American Literature **Unit(s): 4**
- SPAN 410 - Spanish Translation, Theory, and Practice **Unit(s): 4**
- SPAN 427 - Spanish Teaching Methodologies **Unit(s): 4**

Plus, either:

- SPAN 490 - Seminar in Linguistics **Unit(s): 4 OR**
- SPAN 491 - Seminar in Literature **Unit(s): 4**

Units

Total Lower-Division units: 16-20

Total units in the major: 36

Sample Four-Year Program

Spanish, B.A.

Note: If students have already completed lower-division classes (or equivalents) before arriving at SSU, they can begin taking advanced-level courses as soon as desired and could take fewer classes per semester than indicated in this plan. In addition to the four-year graduation plan specified, students pursuing the bachelor of arts in Spanish may also elect a five- or six-year plan. Please consult with a Spanish program advisor.

Freshman Year: 30 Units

Fall Semester (15 Units)

- SPAN 101 - Basic Spanish, First Semester **Unit(s): 4**
- GE Electives (A2, A3, B4)

Spring Semester (15 Units)

- SPAN 102 - Basic Spanish, Second Semester **Unit(s): 4**
- GE Electives (C1, B1)

Sophomore Year: 30 Units

Fall Semester (17 Units)

- SPAN 201 - Intermediate Spanish, 1st Semester **Unit(s): 4**
- GE Electives (B3, D2, C2, D5)

Spring Semester (13 Units)

- SPAN 202 - Intermediate Spanish, 2nd Semester **Unit(s): 4**
- GE Electives (D3, D4, B2)

Junior Year: 30 Units

Fall Semester (16 Units)

- SPAN 300 - Advanced Spanish Language **Unit(s): 4**
- SPAN 301 - Advanced Composition and Conversation **Unit(s): 4**
- UD GE (E)
- SPAN 305 - Introduction to Literature **Unit(s): 4**

Spring Semester (14 Units)

- SPAN 304 - Introduction to Spanish Linguistics **Unit(s): 4**
- SPAN 307 - Cultures of Latin America **Unit(s): 4**
- UD GE (C3, D1)

Senior Year: 30 Units

Fall Semester (15 Units)

- SPAN 306 - Cultures of Spain **Unit(s): 4**
- Two SPAN classes at the 400 level
- Electives/Minor

Spring Semester (15 Units)

- One SPAN class at the 400 level
- Electives/Minor

Total Units: 120

Spanish, M.A.

The core coursework for the Master of Arts in Spanish is offered in three summer intensives. During the academic year, students engage in elective coursework, a teaching practicum, or internship, which results in a light schedule that allows students flexibility in maintaining employment or simultaneously completing a single-subject teaching credential. Distance learners can also benefit from this unique arrangement; upon approval by the graduate coordinator, up to 9 units of upper-division or graduate-level electives may be taken at another accredited college. Program faculty include both SSU Spanish faculty and visiting faculty from other colleges teaching in their area of specialization.

This Special Sessions program is a partnership between the School of Arts and Humanities, and the School of Extended & International Education (SEIE). As a self-support program, unique, separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, admission requirements, and student support services is available through SEIE. Academic criteria for the program are determined in accordance with all applicable SSU and CSU policies. Degrees are awarded by the School of Arts and Humanities.

Requirements for Admission

1. Completion of a Bachelor's degree at an accredited institution by the end of the Fall semester (or Winter quarter) preceding enrollment. As this is a summer start program, Spring graduates will not have evidence of completing their degrees in time to matriculate. One official sealed transcript no later than two years old showing the most recent 60 semester (90 quarter) units you have attempted, including award of the Bachelor's degree and any other work you have completed since.
2. A grade point average (GPA) of at least 3.0 (A=4.00) over the last 60 semester units completed. Students with a lower GPA may be considered on a space-available basis.
3. Passage of the Written English Proficiency Test (WEPT) or equivalent demonstration of writing competency.
4. A written Statement of Purpose, in Spanish, regarding your professional experience and academic interests as related to the Spanish M.A. Program (maximum 500 words).
5. A sound file of an oral description of your experience as a learner/speaker of Spanish spoken by you in Spanish (maximum of four minutes).

For more information, please refer to Graduate Degrees in the Degree Requirements section of this catalog.

Requirements for the M.A.

1. Advancement to candidacy form (GSO1) fully signed and submitted to the Graduate Studies Office;
2. Grade point average of 3.0 or better for all work attempted in graduate status and in all work approved as a part of the specific pattern of study. With the approval of the graduate coordinator, a maximum of 9 units of upper-division or graduate-level academic coursework at an accredited institution may be included as part of the student's specific pattern of study. All courses are to be taken for a letter grade;
3. Passage of the Written English Proficiency Test (WEPT) or equivalent demonstration of writing competency;
4. Completion of Requirements form (GSO2) must be fully signed and submitted to the Graduate Studies Office.
5. All requirements for the M.A. degree in Spanish, including written proficiency, language competency, and conditional requirements stipulated at the time of admission to candidacy, must be satisfactorily completed within seven years from the time the student completes the first course in the program; and
6. Satisfactory performance on the culminating comprehensive exam.

Required Coursework

Graduate Courses (500 level)

- SPAN 500 - Second Language Pedagogy **Unit(s): 4**
- SPAN 501 - Teaching Practicum/Internship **Unit(s): 2-4**
- SPAN 502 - Advanced Linguistics **Unit(s): 4**
- SPAN 503 - Practical Linguistics **Unit(s): 4**
- SPAN 504 - Hispanic Literature I **Unit(s): 4**
- SPAN 505 - Hispanic Literature II **Unit(s): 4**
- SPAN 506 - Hispanic Literature III **Unit(s): 4**

Units

Total core courses: 28 Total units required for the MA: 34

Electives

For their elective coursework, MA Spanish students may elect to enroll in upper-division (Junior or Senior) or graduate-level classes at SSU, or, on approval of the graduate coordinator, at another accredited institution. At SSU, students sign up for a special section of SPAN 595. Electives (SPAN 595 or transferred) Unit(s): 6

French, Minor

Requirements for the Minor

The French minor presupposes 12 units or the equivalent of FR 101, FR 102, FR 201. All or part of these may have been completed elsewhere. Also, the student who wishes to minor in French is required to take:

- FR 202 - Oral French **Unit(s): 4**
- FR 300 - Introduction to Literary Analysis and Critical Writing **Unit(s): 4**

And one of the following groups of courses: 8 Units

- FR 320 - France Yesterday **Unit(s): 4 AND**
- FR 410 - French Literature **Unit(s): 4**
- **OR**
- FR 320 - France Yesterday **Unit(s): 4 AND**
- FR 321 - France Today **Unit(s): 4**
- **OR**
- FR 321 - France Today **Unit(s): 4 AND**
- FR 411 - French Literature **Unit(s): 4**

- **AND either**
- FR 415 - Special Topics in French Culture **Unit(s): 4 OR**
- FR 475 - Senior Seminar **Unit(s): 4**

Units

Total units in the minor: 20

German, Minor

The German minor program enriches students' academic and career opportunities by providing them with skills that complement many majors at SSU. German helps students understand themselves as participants in their own culture. It also helps them understand U.S. history and culture, since German-Americans represent the largest single heritage population. Moreover, German is the most widely spoken language in Europe. Knowing German also opens up opportunities to connect with more than 120 million native speakers worldwide. Additionally, the study of German prepares students to be competitive for graduate school, since many graduate programs require or recommend German. German minors may also have a distinct advantage entering a professional career, in fields such as international business, economics, science, history, global studies, music, or teaching. The SSU German program offers a variety of courses that provide students with linguistic skills and cultural knowledge of the German-speaking world. Students are encouraged to participate in the CSU International Programs and take courses in Germany, which may be counted toward the minor. Students wishing to study abroad are strongly encouraged to consult with their German advisor to ensure that courses taken abroad can be applied to the German minor. A minimum of 8 of the 21 required units must be taken at SSU.

Requirements for the Minor

The German minor program consists of a minimum of 21 units of college coursework in German, of which 8 units must be taken at SSU: 4 units at the 200 level (GER 200 or GER 210) and 4 units consisting of GER 300. Additionally, German minor students must attain the "Goethe-Zertifikat B1" (Zertifikat Deutsch), the internationally recognized proficiency certificate offered annually at SSU under the auspices of the Goethe Institute. Students who have successfully completed the SSU German Program may be confident of passing the certification examination, offered at Sonoma State University at the end of every spring semester.

All German courses, except for GER 101, count toward the German minor. Note that GER 300 must be taken in residence at SSU. The German minor presupposes 4 units or the equivalent of GER 101 (4 units). Students who wish to minor in German are required to take the following 6 courses:

** Prerequisite for German minor students: GER 101 or consent of instructor.
Course may be repeated for credit if topic changes.*

*** Prerequisites: GER 200 and GER 210, or consent of instructor.
Course may be repeated for credit if topic changes.*

- GER 102 - Second Semester - Contemporary Germany **Unit(s): 4** (Fall, Spring)
- GER 200 - Intermediate German: The German-Speaking World Today **Unit(s): 4** (Fall)
- GER 210 - Intermediate German through Film **Unit(s): 4** (Spring)
- GER 314 - Love and Desire in German Literature **Unit(s): 4** (Fall) *
- GER 315 - German Language and Literature **Unit(s): 1** (Fall)
- GER 300 - Advanced German Studies **Unit(s): 4** (Spring) **

Units

Total units in the minor: 21

Spanish, Minor

Requirements for the Minor

For a minor, students must complete SPAN 300 or SPAN 300H, SPAN 301, SPAN 304, and SPAN 305, and either SPAN 306 or SPAN 307.

- SPAN 300 - Advanced Spanish Language **Unit(s): 4 OR**
- SPAN 300H - Advanced Spanish Language for Native/Heritage Speakers **Unit(s): 4**

- SPAN 301 - Advanced Composition and Conversation **Unit(s): 4**
- SPAN 304 - Introduction to Spanish Linguistics **Unit(s): 4**
- SPAN 305 - Introduction to Literature **Unit(s): 4**

Plus, either:

- SPAN 306 - Cultures of Spain **Unit(s): 4 OR**
- SPAN 307 - Cultures of Latin America **Unit(s): 4**

Units

Total minor units: 20

Music

Department Office
Green Music Center 2040
(707) 664-2324
music.sonoma.edu

Department Chair
John R. Palmer

Administrative Coordinator
Brooke Tester

For faculty information, please see Faculty or the faculty webpage

A commitment to active involvement stands at the heart of the music curriculum. Students are involved in many ways—as listeners, performers, composers, critics, or historians. Intelligent and lively participation informs every facet of the department's various degree programs.

The core curriculum for music majors provides a thorough foundation in such essential skills as keyboard facility, theoretical understanding, aural perception, and analysis of a wide range of music literature. All majors gain experience with both the intuitive and the intellectual processes of the art. The curriculum is designed to place the specialized study of music in the setting of a liberal arts education and to serve as a firm basis for careers in a wide variety of professions in and related to music.

The Liberal Arts music concentration provides a broad basis from which a student may pursue graduate studies or a variety of careers. The Composition and Technology degree attracts students who are already using technological tools in music creation but need formal training. Three concentrations exist within the Bachelor of Music. The Jazz Studies concentration trains the student in the techniques and practices of contemporary Jazz styles. The Performance concentration is intended for those having interest and promise in the following areas:

- Vocal/Choral Performance
- Instrumental Performance
- Opera/Music Theatre

The bachelor of music in Education prepares students to enter the teaching credential program in the School of Education.

All students are expected to consult with a music advisor prior to registering each semester. Any student planning to do graduate work in music should consult a music advisor in time to plan a program that will support the intended graduate specialty. Students planning careers in business or media should consider minors in communications studies or business administration. The Music Department has been a fully accredited member of the National Association of Schools of Music since 1972.

Audition and Proficiency Expectations for Entering and Transfer Students

In order to be accepted as a music major, one must be admitted to the University AND must also successfully complete a Music Department audition.

Auditions

The Department of Music requires all prospective music majors to complete an audition on their major instrument/voice. Students living more than 250 miles from campus may send recorded auditions (YouTube link, CD, or DVD). To schedule an audition, use the Audition Request Form found on the department website (also available in the department office).

All auditions, live or recorded, shall include two pieces in contrasting styles that demonstrate accurate rhythms, pitch control, and interpretive awareness. Accompaniment is not necessary and the time limit is 10 minutes. In addition, Instrumentalists shall prepare two major scales and one minor scale in all three forms: natural, harmonic, and melodic.

Jazz students shall prepare two contrasting tunes; Aebersold-type play-along accompaniments are acceptable. Jazz Drummers must demonstrate various styles, including medium and up-tempo swing, Jazz, waltz and 3 or 4 different Latin and/or contemporary rhythms. They may submit a tape of a band in which they are featured.

Music Education students shall write a one-paragraph statement on why they wish to teach.

Music theatre students are encouraged to submit a DVD of themselves performing (singing and acting) in a musical.

Composition Students, in addition to auditioning on their major instrument/voice must submit two notated scores and recordings of their original work.

Students may include more than one instrument/voice or musical style on their audition.

Please use the Audition Request Form to schedule auditions.

Send recorded auditions, along with a cover letter to:

Music Department (Audition Materials)
Sonoma State University
1801 E. Cotati Ave.
Rohnert Park, CA 94928

Scholarships

All auditionees are automatically considered for a variety of Music Department Scholarships. Scholarship audition information is available on the department website.

Send all required materials to:

Music Department Scholarship Committee
Sonoma State University
1801 E. Cotati Avenue
Rohnert Park, CA 94928

Proficiency Expectations

Basic keyboard skills and the ability to read standard music notation are prerequisites for the music major. All entering and transfer students will be given a placement examination in music theory during the audition process. Students with inadequate preparation in keyboard will take MUS 109 - Intensive Keyboard Lab I . Students without background in music theory will take MUS 106 - Fundamentals of Music Theory .

Jazz studies majors, whether continuing or transfer students, must complete MUS 420 - Musicianship IV ; MUS 312 - Jazz Harmony and Arranging II ; MUS 389 - Jazz Improvisation III ; MUS 489 - Jazz Improvisation IV ; MUS 392 - Jazz Piano II ; and MUS 412 - Jazz Composition .

Basic keyboard proficiency is a prerequisite for enrollment in MUS 110 - Theory I: Diatonicism . MUS 320 and MUS 309A /MUS 309B (or MUS 392) are prerequisite for certain upper-division music courses.

Lower-Division Program

All Freshman students are required to enroll in MUS 160A /MUS 160B , the Freshman Learning Community. The core of the lower-division program for music majors is a sequence of courses in musicianship, theory, and music literature. This sequence is a comprehensive approach to musicianship in its broadest sense. It includes sight-singing, dictation, counterpoint, harmony, and historic and stylistic considerations as they relate to the

development of aural and written skills. Materials and sol-fa techniques from a variety of musical styles are used. Lower-division students enroll in 300-level music ensembles.

Upper-Division Program

The upper-division program is designed to integrate studies of theory, musicianship, keyboard and aural skills, music history and analysis. Students who wish to specialize in jazz, music education, or performance music will be required to take classes that develop skills specific to these areas. MUS 310 - Theory III: Form and Analysis and MUS 410 - Theory IV: 20th Century Techniques must be taken in residence.

Capstone Experience

Bachelor of Arts music majors and students in Jazz Studies are required to complete a senior project. MUS 490 - Senior Project, may take the form of directed research leading to a lecture-demonstration, a recital, an extended composition, a student-instructed course, the preparation of a performing edition, or another project of substantial effort. Students enrolled in the Performance music concentration and in Music Education must present a MUS 491 - Senior Recital. Performance majors must also complete a junior recital.

Performance Ensemble Requirement

The Music Department regards continuous experience in active music-making to be an essential part of college music study. To provide this experience, the department offers a wide range of ensembles both vocal and instrumental.

- All music majors (performance, jazz studies, liberal arts, and music education) must declare a major performance medium (instrument or voice) upon entering their program of study.
- Every music major is required to be in ensembles in which he or she plays his or her declared performance medium (instrument or voice) according to their specific degree program. Students may be invited to play in additional major ensembles.
- Every music major is required to be two major or minor performing ensembles (see specific requirement below) during each semester of residence in which he or she plays his or her declared performance medium (instrument or voice), according to their track.

The major performance ensembles for vocalists in performance (at least half must be in a choral ensemble) are the following:

- MUS 325 - Symphonic Chorus
- MUS 323 - Concert Choir
- MUS 330 - Musical Theatre Production
- MUS 340 - Musical Theatre Scenes Workshop

Vocal performance majors are required to take one choral and one musical theatre ensemble each semester in residence, the placement of which will be determined by audition.

The major ensembles for strings, woodwind, brass, and percussion in performance are the following:

- MUS 328 - Symphony Orchestra (required for strings)
- MUS 227 - Concert Band
- MUS 327 - Symphonic Wind Ensemble
- MUS 327 - Symphonic Wind Ensemble
- MUS 326 - Guitar Ensemble (guitar majors only)

Instrumental performance majors are required to take 12 units of a major ensemble (the placement of which will be determined by audition) and 4 units of chamber music or minor ensembles.

The major ensembles for pianists will be determined in consultation with the department chair and the area coordinator and must include at least four semesters of:

- MUS 329 - Chamber Music Ensembles

In semesters where students' production/performances are completed prior to midsemester, they are required to participate in one of the major ensembles above.

The Minor Ensembles for vocalists are:

- MUS 329 - Chamber Music Ensembles
- MUS 481 - Special Topics Workshop
- MUS 391 - Concert Jazz Ensemble
- MUS 379 - Latin Jazz Band
- MUS 390 - Jazz Orchestra
- MUS 377 - Brass Ensemble
- MUS 378 - Percussion Ensemble

Instrumental Performance majors are required to enroll in a chamber music/minor ensemble for at least two 4 semesters on their declared major instrument.

The Chamber Music/Minor Ensembles for instrumentalists in the Performance concentration are:

- MUS 377 - Brass Ensemble
- MUS 329 - Chamber Music Ensembles
- MUS 378 - Percussion Ensemble
- MUS 481 - Special Topics Workshop
- MUS 391 - Concert Jazz Ensemble
- MUS 379 - Latin Jazz Band
- MUS 390 - Jazz Orchestra

Additional Ensemble for music students in Bachelor of Music concentrations:

- Vocalists must participate in an instrumental ensemble (Brass Ensemble, Chamber Music, Concert Band, Percussion Ensemble, Rock Collegium, Symphonic Wind Ensemble, Concert Jazz Ensembles, Latin Jazz Ensemble, Jazz Orchestra) at least one semester.
- Instrumentalists must participate in choral ensemble (symphonic Chorus, Concert Choir) at least one semester.

Ensemble Requirements Performance Concentration

Ensemble Requirements Jazz Studies Concentration

Ensemble Requirements Music Education Concentration

Music Use Fee and Instrument Checkout

A nonrefundable fee of \$25 per semester is charged for use of Music Department facilities and equipment. In addition, a \$20 refundable deposit is charged for checking out a departmental instrument.

Private Instruction

The department funds 60-minute lessons for B.M. students and 45-minute lessons for B.A. music students.

All music majors will take *studio instruction* in their performing medium. It is department policy that music majors are required to study their major performance medium (instrument or voice) with an SSU faculty member.

Repertoire Classes and Forums

All music majors must be enrolled in a music repertoire or forum class each semester in residence, according to their concentration.

Classical Instrumental Repertoire Class (for classical instrumentalists) MUS 151 /MUS 451

Vocal Repertoire Class (for vocalists) MUS 151 /MUS 451

Jazz Forum (for jazz students) MUS 426

Composers Forum (for student composers) MUS 425

Juries

Each semester, enrolled music majors perform a jury before the assembled Music Department faculty members. Juries typically take place during the penultimate week of classes and are intended to monitor a student's applied progress. Some of the repertoire is from a list of standard, graded works, compiled by the applied faculty. Adjudicators assess among other things, the performers' musicality, technique, interpretation, and professionalism; expectations will be based on each student's level in the program. Students are responsible for signing up for jury times and arranging accompanists as necessary. Students in the Bachelor of Music degree program must receive a jury score of 75% or better in order to pass. Students in the Bachelor of Arts degree program must receive a jury score of 65% or better in order to pass. The jury counts for 25% of the students private/ applied lesson grade.

Probation

Students who fall below jury performance level expectations (below 75% for B.M.; below 65% for B.A.) will be placed on Probationary status the following semester. Students on probation may, at the discretion of the faculty, be ineligible for state-supported lessons and will be required to remediate deficiencies at their own expense. At the end of the probation semester, the student must sign up for a jury and successfully pass all deficient material.

Continuation Jury

If at the end of the sophomore year a student has failed two or more consecutive juries the student can be dismissed or reassigned from the music major degree program. Bachelor of Music students can become Bachelor of Arts students, Bachelor of Arts students can become Music Minors.

Music, B.A.

Proficiency Expectations

Basic keyboard skills and the ability to read standard musical notation are prerequisites to the music major curriculum. All entering and transfer students will be given a placement examination in music theory during the audition process. Students with inadequate preparation in keyboard will be expected to take MUS 109 - Intensive

Keyboard Lab I. Students without background in music theory will also be expected to take MUS 106 - Fundamentals of Music Theory.

Jazz studies majors, whether continuing or transfer students, must complete MUS 420 - Musicianship IV; MUS 312 - Jazz Harmony and Arranging II; MUS 389 - Jazz Improvisation III; MUS 489 - Jazz Improvisation IV; MUS 392 - Jazz Piano II; and MUS 412 - Jazz Composition.

Basic keyboard proficiency is a prerequisite to enrollment in MUS 110 - Theory I: Diatonicism. MUS 320 and MUS 309A/MUS 309B (or MUS 392) are prerequisite to enrollment in certain upper-division music courses.

Lower-Division Program

All Freshman students are required to enroll in MUS 160A/MUS 160B, the Freshman Learning Community. The core of the lower-division program for music majors is a sequence of courses in musicianship, theory, and music literature. This sequence is a comprehensive approach to ear training in its broadest sense. It includes sight-singing, dictation, counterpoint, harmony, and historic and stylistic considerations as they relate to the development of aural and written skills. Materials and solfège techniques from a variety of musical styles are used. Lower-division students enroll in 300-level music ensembles.

Upper-Division Program

The upper-division program is designed to integrate studies of theory, musicianship, keyboard and aural skills, music history and analysis. Students who wish to specialize in jazz, music education, or performance music will be required to take classes that develop skills specific to these areas. MUS 310 - Theory III: Form and Analysis and MUS 424 - Theory IV: 20th Century Techniques must be taken in residence.

Capstone Experience

Bachelor of arts music majors and students in jazz studies are required to complete a senior project. MUS 490 - Senior Project, may take the form of directed research leading to a lecture-demonstration, a recital, an extended composition, a student instructed course, the preparation of a performing edition, or another project of substantial effort. Students enrolled in the performance music concentration and in music education must present a MUS 491 - Senior Recital. Performance majors must also complete a junior recital.

Performance Ensemble Requirement

Ensemble/Performance requirements for all students in performance, liberal arts, Composition and Technology, jazz studies and music education:

The Music Department regards continuous experience in active music-making to be an essential part of college music study. To provide this experience, the department offers a wide range of ensembles both vocal and instrumental.

- All music majors (performance, jazz studies, liberal arts, and music education) must declare a major performance medium (instrument or voice) upon entering their program of study.
- Every music major is required to be in one major performing ensemble during each semester of residence in which he or she plays his or her declared performance medium (instrument or voice). Students may be invited to play in additional major ensembles.
- Students may substitute a minor ensemble for a major ensemble no more than twice.

Additional Ensemble for music students in all majors and concentrations:

- Vocalists must participate in an instrumental ensemble (Brass Ensemble, Chamber Music, Concert Band, Percussion Ensemble, Rock Collegium, Symphonic Wind Ensemble, Concert Jazz Ensembles, Latin Jazz Ensemble, Jazz Orchestra) at least one semester.
- Instrumentalists must participate in choral ensemble (symphonic Chorus, Concert Choir) at least one semester.

Ensemble Requirements Performance Concentration

Ensemble Requirements Jazz Studies Concentration

Ensemble Requirements Music Education Concentration

Music Use Fee and Instrument Checkout

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Private Instruction

The department funds 60-minute lessons for B.M. students and 45-minute lessons for B.A. music students.

All music majors will take *studio instruction* in their performing medium. It is department policy that music majors are required to study their major performance medium (instrument or voice) with an SSU faculty member.

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All music majors must be enrolled in a music repertoire or forum class each semester in residence, according to their concentration.

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Continuation Jury

If at the end of the sophomore year two or more consecutive juries have not been passed the student can be dismissed or reassigned from the music major degree program. Bachelor of Music students can become Bachelor of Arts students, Bachelor of Arts students can become Music Minors.

Concentrations

Liberal Arts Music Concentration

Composition and Technology Concentration

Music, B.M.

Proficiency Expectations

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Probation

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Continuation Jury

If at the end of the sophomore year two or more consecutive juries have not been passed the student can be dismissed or reassigned from the music major degree program. Bachelor of Music students can become Bachelor of Arts students, Bachelor of Arts students can become Music Minors.

Concentrations

Music, Performance Concentration, B.M.

Music Jazz Studies Concentration

Music, Music Education Concentration, B.M.

Music, Minor

The Music Department offers two minors—the liberal arts music minor, jazz studies music minor. Students contemplating a minor in music should consult the Music Department for advising early in their academic careers. At least 6 units of the minor must be completed at Sonoma State University.

Concentration

Liberal Arts Concentration, Minor

Jazz Studies Concentration, Minor

- MUS 105 - Music Theory for Non-Majors **Unit(s): 4**

Native American Studies

Program Office
Nichols Hall 214
(707) 664-2486
nams.sonoma.edu

Coordinator
Erica Tom

Administrative Coordinator
Kate Sims (707) 664-2486

For faculty information, please see Faculty or the Native American Studies faculty web page.

The Native American Studies program is designed to provide a minor with a multidisciplinary approach to Native Americans through ethnography, history, sociology, and the humanities. By approaching the multiplicity of Indian cultures from a variety of academic perspectives, a deeper understanding of native societies, past and present, will emerge. The program is designed to present a variety of American Indian experiences and issues within the wider context of human history and evolution. The program is especially interested in providing teachers, community service personnel, tribal administrators, and other interested persons with useful skills in dealing with indigenous/native communities. Special emphasis will be placed on assisting educators with practical and theoretical approaches to Indian education. Students in the NAMS minor are also encouraged to apply for internships to gain direct experience in working with tribal organizations and communities.

Students may develop a special major in Native American studies; those interested should review the guidelines for special majors and consult the program coordinator.

Native American Studies, Minor

Program Requirements

Choose 20 units from the following:

- NAMS 165 - Native Cultures of Northern California **Unit(s): 4**
- NAMS 200 - Introduction to Native Americans **Unit(s): 3**
- NAMS 205 - Introduction to Native American Arts **Unit(s): 4**
- NAMS 354 - Native American Literatures **Unit(s): 4**
- NAMS 338 - Native Americans and The Cinema **Unit(s): 4**
- NAMS 346 - Philosophic Systems and Sacred Movements in Native North America **Unit(s): 4**

Additional Requirement

- NAMS 495 - Special Studies **Unit(s): 1-4 OR**
- Internship at a local Native American agency or organization

Units

Total units in minor: 24

Minor Electives

- NAMS 495 - Special Studies **Unit(s): 1-4**

Philosophy

Department Office
Nichols Hall 363

(707) 664-2163
web.sonoma.edu/philosophy/

Department Chair
Andy Wallace

Administrative Coordinator
Angela Follenvaider

For faculty information, please see Faculty or the Philosophy faculty web page.

The Philosophical Life

The overall aim of the SSU Philosophy Department is to train and inspire students to become effective ethical agents in the world. The research focus of our faculty covers a range of topics in practical philosophy: environmental ethics; robo-ethics and artificial intelligence; compassion, pro-social emotions and moral psychology; moral theory; philosophy of law; philosophy of race; philosophy of gender; social justice; the good life; and global interdependence. Although students will specialize in one of the four concentrations, they will have ample opportunity to take classes from all the concentrations. Students will graduate with a well-rounded background and training in practical philosophy.

Faculty and Curriculum

At the heart of the philosophy program is the faculty: dedicated teachers and scholars who represent key approaches to philosophy, and who are actively engaged in ongoing research. We have designed the curriculum to provide the major with a contemporary understanding of philosophy.

Career Options

Philosophy majors have interesting career options, which include but are not limited to: law, public policy, medicine and medical ethics, ethical analyst for technology research and design, education (primary, secondary, and post-secondary), international relations, government, and business. Philosophy was recently determined to result in the highest mid-career salary of any major outside of the STEM fields. It is regularly cited by business and industry leaders as a desired major to hire from, as philosophy is excellent training for critical thinking and effective communication.

Advising

Advising begins with an initial advising interview with the department chair. During the following semester the student will choose a regular faculty advisor. See department Administrative Coordinator at department office for details.

Philosophy, B.A.

Regardless of their concentration, students complete five core courses. These courses serve two purposes: to provide a foundation in practical philosophy; and to provide students with a capstone research seminar at the end of their course of study. In addition to these five core courses, students select four additional courses from within their concentration. Two of these concentration courses are electives, which enable students to adapt their learning to their specific interests

Degree Requirements	Units
General education	48
Major Core requirements	20
Philosophy Concentration	16
University Electives	36
Total units needed for graduation	120

Major Core Requirements

- PHIL 120 - Introduction to Philosophy **Unit(s): 4**
- PHIL 202 - Proseminar **Unit(s): 3**
- PHIL 204 - Applied Ethics **Unit(s): 4**
- PHIL 302 - Ethics and Value Theory **Unit(s): 4**
- PHIL 400 - Senior Seminar **Unit(s): 4**

Units

Total units in the major core: 20e

Concentrations

- Pre-Law and Ethics Concentration, B.A.
- The Good Life Concentration
- Science, Technology, and Ethics Concentration
- Social Justice Concentration

Service Learning Requirement

The major requires 20 hours of service learning. Phil 202 , Phil 204, and Phil 400 will provide students with these hours. If students need more service hours, they can register for an internship under Phil 499 . Many other philosophy classes also include service learning.

- PHIL 202 - Proseminar **Unit(s): 3**
- PHIL 375 - Drugs, Prostitution, Punishment and More: Philosophy of Law **Unit(s): 4**
- PHIL 160
- PHIL 312 - Philosophy of Love and Emotion **Unit(s): 4**
- PHIL 309 - Philosophy and Robotics **Unit(s): 4**

Sample Four-Year Program

Bachelor of Arts in Philosophy

The following is a sample study plan. The sequence and specific courses given are suggestive; please see an advisor each semester to plan your personal program.

Courses may be interchanged fall and spring semester depending on course offering each semester.

Freshman Year: 30 Units

Fall Semester (14-16 Units)

- GE
- GE
- GE
- University Elective

Spring Semester (14-16 Units)

- GE
- PHIL 120 - Introduction to Philosophy **Unit(s): 4**
- GE
- University Elective

Sophomore Year: 30 Units

Fall Semester (14-16 Units)

- PHIL 202 - Proseminar **Unit(s): 3**
- GE or Concentration
- GE
- GE

Spring Semester (14-16 Units)

- PHIL 204 - Applied Ethics **Unit(s): 4**
- GE or Concentration
- GE
- University Elective

Junior Year: 30 Units

Fall Semester (14-16 Units)

- PHIL 302 - Ethics and Value Theory **Unit(s): 4 OR**
- GE
- GE or Concentration
- University Elective
- University Elective

Spring Semester (14-16 Units)

- Upper Division GE
- GE or Concentration
- University Electives
- University Elective

Senior Year: 30 Units

Fall Semester (13-16 Units)

- Upper Division GE
- Concentration Requirement
- University Elective
- University Elective

Spring Semester (14-16 Units)

- PHIL 400 - Senior Seminar **Unit(s): 4**
- Concentration Elective
- University Elective
- University Elective

Total Units: 120

Philosophy, Minor

To obtain a minor in Philosophy, the student must complete 16 units (4 courses) in the Philosophy Department at Sonoma State University. The student can choose any combination of Philosophy courses to obtain the minor, but no more than three GE courses in philosophy can be included in this combination and at least two of the four courses must be upper division.

Theatre Arts & Dance

Department Office
Ives Hall 205
(707) 664-2474
web.sonoma.edu/theatreanddance

Department Chair
Ed Beebout

Performing Arts Program Specialist
Douangta Sorensen

For faculty information, please see Faculty or the Theatre Arts faculty web page.

Vision

We believe in a world where the artist is transformative, essential and engaged.

Mission

The Department of Theatre Arts and Dance offers students a home where they can seek their potential and develop their voices as artists, through the study and collaborative making of live performance.

Core Values

Student centered

We believe first and foremost in creating experiences that serve our students' needs and passions.

Rigor

We believe that performance training can inspire us to the highest standards of professionalism and personal achievement.

Full Engagement

We believe in making work that has value beyond the dance and theatre world and directly engages our campus and local community.

Theatre Arts and Dance majors and minors gain professional training for a career in the arts; a deep impression of ensemble and individual creativity; key academic and critical thinking skills; and a lasting sense of community. We feature a rich set of courses; a wide range of performance styles and opportunities; personal contact with faculty and guest artists, with particular connections to the contemporary Bay Area scene; focused and comprehensive individual advising; and a supportive and caring staff.

Students of theatre and dance develop artistic skill and kinesthetic intelligence while growing in human understanding and empathy. They learn to embody and project their own beliefs and to explore the cultures and beliefs of people who are different from them. Our theatre and dance faculty cultivate innovative approaches to theatre and dance, while respecting and learning from the past.

The department offers numerous performance opportunities and actively encourages and supports the development of new work by both students and faculty. The Department of Theatre Arts & Dance program is closely associated with SSU's Department of Music in the area of voice and musical theatre. Together, the Department of Theatre Arts & Dance and the Department of Music form the Center of Performing Arts which offers over 200 student performances of theatre, dance, and music each year.

Theatre Arts & Dance, B.A.

Concentrations

Theatre Arts with Concentration in Acting, B.A.

Theatre Arts with Concentration in Dance, B.A.

Theatre Arts with Concentration in Technical Theatre, B.A.

Theatre Arts with Concentration in Theatre Studies, B.A.

Theatre Arts with Concentration in Acting, B.A.

The concentration offers intensive training in acting, with supporting courses in theatre production, theatre history, dramatic literature, directing, technical theatre, and special topics. The program offers numerous performance opportunities including new works, contemporary and modern plays, Shakespeare and other classics, and in music theatre.

Degree Requirements	Units
General Education	50 (18 possible within Theatre Arts)
Theatre Arts/Acting	48
Theatre General Electives	22
TOTAL units needed for graduation	120

Phase I, required for Acting Concentration (freshman and sophomore years)

Students must complete Phase I before Phase II.

Recommended General Education Area A3 and C3 courses

- THAR 160A - Humanities Learning Community **Unit(s): 4** (fall semester)
- THAR 160B - Humanities Learning Community **Unit(s): 4** (spring semester)

Required History/ Literature Courses

- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**

Required Acting Courses

- THAR 145A - Voice for the Actor **Unit(s): 1** (fall)
- THAR 145B - Speech for the Actor **Unit(s): 1** (spring) (Recommended)
- THAR 220A - Acting: Text and Scene Study **Unit(s): 2** (fall)
- THAR 220B - Acting: Characterization **Unit(s): 2** (spring) (Recommended)

Required Technical Theatre Courses

- THAR 143A - Stagecraft **Unit(s): 2** (Fall & spring)

One of the following courses:

- THAR 143B - Costumes **Unit(s): 2** (variable)
- THAR 144A - Scenery **Unit(s): 2** (variable)
- THAR 144B - Lighting **Unit(s): 2** (variable)

Phase II, required for the Acting Concentration (junior & senior years)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 324 - On Camera: Acting & Production **Unit(s): 2** (Spring) (recommended)
- THAR 325 - Audition for the Theatre **Unit(s): 2** (Spring)
- THAR 350 - Directing Workshop **Unit(s): 2**
- THAR 379 - Research Practice for Theatre and Dance **Unit(s): 3**
- THAR 400 - Theatre of Today **Unit(s): 1**
- A minimum of Upper Division Acting Courses (see below) Theatre Arts Electives **Unit(s): 20**

Upper Division Block Acting Courses

Foundation Upper Division Acting courses (1 WTU each; 4 units required)

- THAR 311 - Actor / Dancer Collaboration I: Core Technique & Practice **Unit(s): 1** - Block Requirement
- THAR 312 - Actor / Dancer Collaboration II: Movement & Improvisation **Unit(s): 1** - Block Requirement
- THAR 313 - Ballroom & Social Dance **Unit(s): 1** - Block Option
- THAR 316 - 25 Elements of Comedy: Its All in the Surprise **Unit(s): 1**
- THAR 326 - Circus Technique **Unit(s): 1** - Block Option
- THAR 327 - Stage Combat **Unit(s): 1** - Block Option
- THAR 328 - Accents & Dialects **Unit(s): 1** - Block Requirement

Core Upper Division Acting courses (2 WTU each; 16 units required)

- THAR 320A - Shakespeare I: Verse Scansion & Paraphrase **Unit(s): 2** - Block Requirement
- THAR 320B - Shakespeare II: Scene Study **Unit(s): 2** - Block Option
- THAR 320C - Physical Theatre Workshop **Unit(s): 2**
- THAR 320D - Commedia dell `Arte & Masks **Unit(s): 2**
- THAR 324 - On Camera: Acting & Production **Unit(s): 2** - Block Option
- THAR 420A - Approaches to Anti-Realism **Unit(s): 2** (Buchner, Brecht, Beckett)
- THAR 420B - Comedy of Manners **Unit(s): 2** (Wycherley, Congreve, Shaw, Wilde)
- THAR 420C - Chekhov Workshop **Unit(s): 2** - Block Option

Units

Total Phase I: 17

Total Phase II: 31

TOTAL units in the ACTING CONCENTRATION: 48

Sample Four-Year Program

Theatre Arts, B.A., Concentration in Acting

Freshman Year: 30 Units

Fall Semester (15 Units)

- THAR 143A - Stagecraft **Unit(s): 2**
- THAR 145A - Voice for the Actor **Unit(s): 1**
- THAR 160A - Humanities Learning Community **Unit(s): 4**
- Additional GE

Spring Semester (15 Units)

- THAR 144A - Scenery **Unit(s): 2**
- THAR 145B - Speech for the Actor **Unit(s): 1**
- THAR 160B - Humanities Learning Community **Unit(s): 4**
- Additional GE

Alternate Freshman Year: 31 Units

Fall Semester (15 Units)

- THAR 110 - Dance Fundamentals **Unit(s): 1**
- THAR 105 - Technical Theatre Workshop **Unit(s): 1**
- THAR 143A - Stagecraft **Unit(s): 2**
- THAR 145A - Voice for the Actor **Unit(s): 1**
- THAR 160A - Humanities Learning Community **Unit(s): 4**
- Additional GE

Spring Semester (16 Units)

- THAR 143B - Costumes **Unit(s): 2**
- THAR 145B - Speech for the Actor **Unit(s): 1**
- THAR 160B - Humanities Learning Community **Unit(s): 4**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required)**
- Additional GE

Sophomore Year: 32 Units

Fall Semester (17 Units)

- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 143B - Costumes **Unit(s): 2**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required)**
- Additional GE

Spring Semester (15 Units)

- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**

- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 325 - Audition for the Theatre **Unit(s): 2**
- ENGL 339 - Introduction to Shakespeare **Unit(s): 3-4** (3 Unit(s) Required)
- THAR 327 - Stage Combat **Unit(s): 1**
- Additional GE

Alternate Sophomore Year: 33 Units

Fall Semester (16 Units)

- THAR 143B - Costumes **Unit(s): 2**
- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 316 - 25 Elements of Comedy: Its All in the Surprise **Unit(s): 1**
- GE

Spring Semester (17 Units)

- THAR 110 - Dance Fundamentals **Unit(s): 1**
- THAR 220B - Acting: Characterization **Unit(s): 2**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3** (3 Unit(s) Required)
- ENGL 339 - Introduction to Shakespeare **Unit(s): 3-4** (4 Unit(s) Required)
- GE

Junior Year: 31 Units

Fall Semester (16 Units)

- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3** (3 Unit(s) Required)
- THAR 311 - Actor / Dancer Collaboration I: Core Technique & Practice **Unit(s): 1**
- THAR 320A - Shakespeare I: Verse Scansion & Paraphrase **Unit(s): 2**
- THAR 320C - Physical Theatre Workshop **Unit(s): 2**
- THAR 326 - Circus Technique **Unit(s): 1**
- THAR 350 - Directing Workshop **Unit(s): 2**
- UD GE

Spring Semester (15 Units)

- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3** (3 Unit(s) Required)
- THAR 313 - Ballroom & Social Dance **Unit(s): 1**
- THAR 327 - Stage Combat **Unit(s): 1**
- THAR 320B - Shakespeare II: Scene Study **Unit(s): 2**
- THAR 320D - Commedia dell `Arte & Masks **Unit(s): 2**
- THAR 324 - On Camera: Acting & Production **Unit(s): 2**
- UD GE

Senior Year: 31units

Fall Semester (17 Units)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 312 - Actor / Dancer Collaboration II: Movement & Improvisation **Unit(s): 1**
- THAR 379 - Research Practice for Theatre and Dance **Unit(s): 3**
- THAR 420A - Approaches to Anti-Realism **Unit(s): 2**
- THAR 420C - Chekhov Workshop **Unit(s): 2**
- THAR 376 - Playwriting I **Unit(s): 3**
- Electives

Spring Semester (14 Units)

- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required)**
- THAR 313 - Ballroom & Social Dance **Unit(s): 1**
- THAR 316 - 25 Elements of Comedy: Its All in the Surprise **Unit(s): 1**
- THAR 392 **Unit(s): 2**
- THAR 420C - Chekhov Workshop **Unit(s): 2**
- THAR 420D - Devised Project Workshop **Unit(s): 2**
- Electives
- THAR UD GE

Total Units: 120

Theatre Arts with Concentration in Dance, B.A.

The dance concentration offers dance and movement studies with an emphasis on choreography, performance, and somatic approaches to dancing, with supporting courses in dance and theatre history, technical theatre, and special topics.

Degree Requirements	Units
General education (17 possible within Theatre Arts)	48
Theatre Arts/Dance	49
Theatre & General Electives	23
Total units needed for graduation	120

Phase I, Required for Dance Concentration (freshman and sophomore years)

Students must complete Phase I before Phase II.

Recommended General Education

Area A3 and C3 courses (year-long course)

- THAR 160A - Humanities Learning Community **Unit(s): 4**
- THAR 160B - Humanities Learning Community **Unit(s): 4**

Required History/Literature Courses

- THAR 210 - Contemporary Dance I **Unit(s): 2**
- THAR 271 Global Perspectives in Dance

Required Dance Courses

2 units of the following:

- THAR 115 - Dance Styles **Unit(s): 1**
Jazz (1), Hip-Hop (1), Ballet (1), Dances from the African Diaspora (1)
- THAR 240 - Choreography I **Unit(s): 2**

Choose one from the following technical theatre courses:

** Prerequisite or concurrent enrollment in THAR 143A.*

- THAR 143B - Costumes **Unit(s): 2 ***
- THAR 144A - Scenery **Unit(s): 2 ***
- THAR 144B - Lighting **Unit(s): 2 ***

Phase II, Required for the Dance Concentration (junior and senior years)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 311 - Actor / Dancer Collaboration I: Core Technique & Practice **Unit(s): 1**
- THAR 312 - Actor / Dancer Collaboration II: Movement & Improvisation **Unit(s): 1**
- THAR 333 Dance Anatomy
- THAR 334 Teaching Methodologies
- THAR 340 - Choreography II **Unit(s): 2**
- THAR 345 - Choreography III **Unit(s): 2**
- THAR 371 Contemporary Dance History
- THAR 400 - Theatre of Today **Unit(s): 1**

Units

Total units in Phase I: 14

Total units in Phase II: 35

Total units in the dance concentration: 49

Sample Four-Year Program

Theatre Arts, B.A., Concentration in Dance

Freshman Year: 30 Units

Fall Semester (15 Units)

- THAR 210 - Contemporary Dance I **Unit(s): 2**
- THAR 143A - Stagecraft **Unit(s): 2**
- THAR 240 - Choreography I **Unit(s): 2**
- THAR 160A - Humanities Learning Community **Unit(s): 4**
- GE

Spring Semester (15 Units)

- THAR 340 - Choreography II **Unit(s): 2**
- THAR 160B - Humanities Learning Community **Unit(s): 4**
- GE

Sophomore Year: 30 Units

Fall Semester (15 Units)

- THAR 212 - Contemporary Dance Level III **Unit(s): 2**
- THAR 143B - Costumes **Unit(s): 2**
- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- GE
- THAR 345 - Choreography III **Unit(s): 2**
- Elective

Spring Semester (15 Units)

- THAR 213 - Contemporary Dance Level IV **Unit(s): 2**
- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**
- GE
- Electives

Junior Year: 31 Units

Fall Semester (16 Units)

- THAR 345 - Choreography III **Unit(s): 2**

Spring Semester (15 Units)

- THAR 300 - Theatre in Action **Unit(s): 3**
- GE UD

- Elective

Senior Year: 29 Units

Fall Semester (15 Units)

- THAR 400 - Theatre of Today **Unit(s): 1**
- Electives

Spring Semester (14 Units)

Total Units: 120

Theatre Arts with Concentration in Technical Theatre, B.A.

The technical theatre concentration offers intensive work in design, theatre technology, and stage management, with supporting courses in acting and movement, theatre and dance history, and special topics.

Degree Requirements Units

General Education (50, 3 units in major) 47

Theatre Arts requirements 48

Electives 25

Total units needed for graduation 120

Phase I, Required (freshman and sophomore years)

Students must complete Phase I before Phase II.

** Prerequisite or concurrent enrollment in THAR 143A.*

- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4 OR**
- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4** (strongly recommended)
- THAR 143B - Costumes **Unit(s): 2 ***
- THAR 144A - Scenery **Unit(s): 2 ***
- THAR 144B - Lighting **Unit(s): 2 ***
- THAR 230 - Stage Management **Unit(s): 2**
- THAR 231 - Stage Management **Unit(s): 1**
- ARTS 101 - Art Fundamentals **Unit(s): 3** (strongly recommended)
- ARTS 102 - Fundamentals of Three Dimension Design **Unit(s): 3** (strongly recommended)

Choose 3 units from the following dance/drama courses: 3

- THAR 120A - Acting Fundamentals **Unit(s): 1 OR**

- THAR 120B - Acting: Fundamentals **Unit(s): 1**
- THAR 110 - Dance Fundamentals **Unit(s): 1**
- THAR 210A - Contemporary Dance I **Unit(s): 2**
- THAR 116 - Acting Styles: Comedy Improvisation **Unit(s): 1**

Phase II, Required (junior and senior years)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 344A - Design for the Stage **Unit(s): 3**
- THAR 344B - Design for the Stage **Unit(s): 3**
- THAR 321A - Intermediate Technical Block/Foundations **Unit(s): 2**
- THAR 321B - Intermediate Technical Block **Unit(s): 2**
- THAR 350 - Directing Workshop **Unit(s): 2**
- THAR 370A - Early Plays: Evolution and Innovation **Unit(s): 3**
- THAR 370B - Modern Plays: Evolution and Innovation **Unit(s): 3**
- THAR 400 - Theatre of Today **Unit(s): 1**
- THAR 421A - Advanced Technical Block/Foundations **Unit(s): 2**
- THAR 421B - Advanced Technical Block/Foundations **Unit(s): 2**
- THAR 444 - History of Ornament **Unit(s): 2**
- Electives - Theatre **Unit(s): 4**

Units

Total units in Phase I: 16

Total units in Phase II: 32

Total units in the technical theatre concentration: 48

Sample Four-Year Program

Theatre Arts, B.A., Concentration in Technical Theatre

Freshman Year: 30 Units

Fall Semester (16 Units)

- THAR 143A - Stagecraft **Unit(s): 2**
- THAR 143B - Costumes **Unit(s): 2**
- GE

Spring Semester (14 Units)

- THAR 144A - Scenery **Unit(s): 2**
- GE

Sophomore Year: 32 Units

Fall Semester (16 Units)

- THAR 110 - Dance Fundamentals **Unit(s): 1 OR**
- THAR 116 - Acting Styles: Comedy Improvisation **Unit(s): 1**

- THAR 144B - Lighting **Unit(s): 2**
- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 230 - Stage Management **Unit(s): 2**
- THAR 231 - Stage Management **Unit(s): 1**
- GE

Spring Semester (16 Units)

- THAR 110 - Dance Fundamentals **Unit(s): 1**

Junior Year: 30 Units

Fall Semester (15 Units)

- THAR 321A - Intermediate Technical Block/Foundations **Unit(s): 2**
- THAR 344A - Design for the Stage **Unit(s): 3**
- THAR 350 - Directing Workshop **Unit(s): 2**
- THAR 370A - Early Plays: Evolution and Innovation **Unit(s): 3**
- GE UD
- Elective

Spring Semester (15 Units)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 321B - Intermediate Technical Block **Unit(s): 2**
- THAR 344B - Design for the Stage **Unit(s): 3**
- GE UD
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- THAR 400 - Theatre of Today **Unit(s): 1**
- THAR 421A - Advanced Technical Block/Foundations **Unit(s): 2**
- THAR 444 - History of Ornament **Unit(s): 2**
- GE
- Theatre Elective
- Elective

Spring Semester (15 Units)

- THAR 370B - Modern Plays: Evolution and Innovation **Unit(s): 3**
- THAR 421B - Advanced Technical Block/Foundations **Unit(s): 2**
- GE
- Electives

Total Units: 120

Theatre Arts with Concentration in Theatre Studies, B.A.

The Theatre Studies concentration in the Theatre Arts & Dance program provides equal parts professional theatre training and liberal arts education. Students prepare to pursue theatre careers in directing, playwriting, criticism, teaching, scholarship, arts management, dramaturgy, and other careers that may not have performance or theatre technology at their centers. Regardless of eventual profession, the concentration provides the intellectual rigor and imaginative excitement necessary to any liberal arts degree. Students learn to make theatre as a fundamentally collaborative story told among artists and community. We believe that this kind of training prepares the student to become the ideal global good citizen, engaged with theatre as a means of ritual and democratic conversation focused on full inclusion of all cultures and identities.

Degree Requirements	Units
General Education (50, 12 units in major)	38
Theatre Arts Requirements	52
Electives	30

Total units needed for graduation 120

THAR 160 Theatre, Dance, the Artistic Process, and You is one strongly recommended First-year Learning Community (FLC) through which Theatre Arts & Dance majors receive 8 units in the General Education (GE) requirements. GE areas covered are A3 (Critical Thinking) and C3 (Comparative Perspectives).

Phase I, Required (freshman and sophomore years)

Students must complete Phase I before Phase II.

All of the following requirements: 16 Units

- THAR 120B - Acting: Fundamentals **Unit(s): 2**
- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**
- THAR 230 - Stage Management **Unit(s): 2**
- THAR 231 - Stage Management **Unit(s): 1**
- THAR 275 - Contemporary Plays and Playwrights **Unit(s): 3**

Any one of the following three technical theatre classes: 2 Units

** Prerequisite or concurrent enrollment in THAR 143A.*

- THAR 143B - Costumes **Unit(s): 2 ***
- THAR 144A - Scenery **Unit(s): 2 ***
- THAR 144B - Lighting **Unit(s): 2 ***

Phase II, Required Upper-Division Core (junior and senior years): 17 Units

- THAR 370A - Early Plays: Evolution and Innovation **Unit(s): 3**
- THAR 370B - Modern Plays: Evolution and Innovation **Unit(s): 3**
- THAR 374 - Theatre of the World **Unit(s): 4**
- THAR 379 - Research Practice for Theatre and Dance **Unit(s): 3**
- THAR 400 - Theatre of Today **Unit(s): 1**

Phase II, Required Theatre Arts Electives (junior and senior years)

At least 17 total credits from the following electives, which may include one of the Mini-Blocks listed below. Students may also propose other mini blocks that reflect their own goals.

- THAR 110 - Dance Fundamentals **Unit(s): 1**
- THAR 115 - Dance Styles **Unit(s): 1**
- THAR 145A - Voice for the Actor **Unit(s): 1**
- THAR 145B - Speech for the Actor **Unit(s): 1**
- THAR 210 - Contemporary Dance I **Unit(s): 2**
- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 220B - Acting: Characterization **Unit(s): 2**
- THAR 300 - Theatre in Action **Unit(s): 3**

- THAR 301 - Dance Ensemble **Unit(s): 1-3 OR (3 Unit(s) Required)**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 OR (3 Unit(s) Required)**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3 OR (3 Unit(s) Required)**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required)**

- THAR 350 - Directing Workshop **Unit(s): 2**

- THAR 373 - Dances of the World **Unit(s): 4**

- THAR 376 - Playwriting I **Unit(s): 3**
- THAR 377 - Playwriting II **Unit(s): 3**
- THAR 460 - Drama for Children **Unit(s): 2 OR**
- THAR 470 - Dance for Children **Unit(s): 2**

- ENGL 339 - Introduction to Shakespeare **Unit(s): 3-4 OR (4 Unit(s) Required)**
- ENGL 439 - Studies in Shakespeare **Unit(s): 4**

- CALS 365 - Chicano/Latino Theatre **Unit(s): 2 OR**
- THAR 365 - Chicano/Latino Theatre
- THAR 455 - Mission and Collaboration **Unit(s): 1**

Production Mini-Block: 7 Units

(for students interested in directing, playwriting, dramaturgy, arts management, and scholarship)

- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 350 - Directing Workshop **Unit(s): 2**
- THAR 301 - Dance Ensemble **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required) Production Workshops**

Teaching Mini-Block: 7 Units

(for students interested in primary education, secondary education, and scholarship)

- THAR 301 - Dance Ensemble **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required) Production Workshops**
- THAR 460 - Drama for Children **Unit(s): 2**
- THAR 470 - Dance for Children **Unit(s): 2**

Units

Total units in Phase I: 18

Sample Four-Year Program

Theatre Arts, B.A., Concentration in Theatre Studies

Freshman Year: 31 Units

Fall Semester (15 Units)

- THAR 120B
- THAR 143A - Stagecraft **Unit(s): 2**
- THAR 160A - Humanities Learning Community **Unit(s): 4**
- THAR 230 - Stage Management **Unit(s): 2**
- THAR 231 - Stage Management **Unit(s): 1**

- GE

Spring Semester (16 Units)

- THAR 144B - Lighting **Unit(s): 2**
- THAR 160B - Humanities Learning Community **Unit(s): 4**
- THAR 301 - Dance Ensemble **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3 (3 Unit(s) Required) OR**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required)**
- GE

Sophomore Year: 31 Units

Fall Semester (15 Units)

- THAR 110 - Dance Fundamentals **Unit(s): 1**
- THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800 **Unit(s): 4**
- THAR 220A - Acting: Text and Scene Study **Unit(s): 2**
- THAR 376 - Playwriting I **Unit(s): 3**
- GE

Spring Semester (16 Units)

- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**
- THAR 275 - Contemporary Plays and Playwrights **Unit(s): 3**
- GE

Junior Year: 29 Units

Fall Semester (15 Units)

- THAR 350 - Directing Workshop **Unit(s): 2**
- THAR 370A - Early Plays: Evolution and Innovation **Unit(s): 3**
- THAR 379 - Research Practice for Theatre and Dance **Unit(s): 3**
- ENGL 339 - Introduction to Shakespeare **Unit(s): 3-4 (4 Unit(s) Required)**
- GE UD

Spring Semester (14 Units)

- THAR 365
- THAR 370B - Modern Plays: Evolution and Innovation **Unit(s): 3**
- THAR 301 - Dance Ensemble **Unit(s): 1-3 (3 Unit(s) Required) Elective OR**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 (3 Unit(s) Required) Elective OR**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3 (3 Unit(s) Required) Elective OR**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required) Elective**

- GE UD

Senior Year: 29 Units

Fall Semester (15 Units)

- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 400 - Theatre of Today **Unit(s): 1**
- GE UD
- Electives

Spring Semester (14 Units)

- THAR 374 - Theatre of the World **Unit(s): 4**
- THAR 455
- THAR 460 - Drama for Children **Unit(s): 2 OR**
- THAR 470 - Dance for Children **Unit(s): 2**
- Electives

Total Units: 120

Theatre Arts, Minor

Minor Core Requirements

- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**
- THAR 300 - Theatre in Action **Unit(s): 3**
- THAR 301 - Dance Ensemble **Unit(s): 1-3 OR**
- THAR 302 - Drama Ensemble Workshop **Unit(s): 1-3 OR**
- THAR 303 - Technical Theatre Workshop **Unit(s): 1-3**
- THAR 304 - Production Dramaturgy **Unit(s): 1-3 (3 Unit(s) Required)**

Units

Total units in the minor core: 10

Total units in the minor electives: 14

Total units in the minor: 24

Minor Electives

Electives must include at least 6 upper-division units and should be chosen in consultation with an advisor. (For dance emphasis, students may choose THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present, or THAR 371A or THAR 371B - History of Dance B . THAR 240 - Choreography I is a core requirement for a dance emphasis.)

School of Business and Economics

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sbe.sonoma.edu

The mission of the School of Business and Economics is to create extraordinary learning experiences for our students and to advance best business practices in the North Bay and beyond. We fulfill this mission by: (1) providing memorable and transformational educational programs for the global business professionals of the future, and for the entrepreneurs and emerging leaders of north San Francisco Bay Area enterprises; (2) being an exemplar of best practice by researching, developing, and applying the business tools, methods, and strategies that we teach our students; (3) producing scholarly work that emphasizes applicability, as well as basic research that expands our contributions to our disciplines and pedagogical research that increases our impact in the classroom; and (4) cultivating success for the global wine industry as a leading business education and research center.

Our vision is to be the educational catalyst for a collaborative, thriving North Bay economy and its impact on the global economy. Both our mission and our vision shape the student experience in the School of Business and Economics. The School has a robust network of support from the regional business community that creates opportunities for our students to meet local leaders, learn with professional mentors, gain experience with internships, and apply their learning through community case studies, projects, conferences, and competitions.

The School of Business and Economics offers coursework and degree programs that prepare students for careers of positive professional and community impact. Students are exposed to alternative viewpoints concerning the analysis of organizational, social, and economic problems, including both quantitative and qualitative approaches. Emphasis is placed upon the roles and responsibilities of decision makers within a complex and ever-changing environment, and emphasizes the consideration of ethical and globalization issues.

The School of Business and Economics includes the Departments of Business Administration, whose programs are accredited by the Association to Advance Collegiate Schools of Business (AACSB), and Economics. Business Administration majors benefit from the General Education requirements of the University and then are provided with a broad program of study that involves an integrative set of required core courses plus a field of concentration which enables targeted learning in a specific subdiscipline of business. Concentrations include accounting, finance, financial management, management, marketing, and wine business strategies. Economics majors receive a firm foundation of undergraduate study in a liberal arts tradition that serves as preparation for graduate school as well as professional careers in economics.

Our small class sizes, qualified professors, and desirable location make us an excellent option for those looking to secure a strong foundation in business and economics before entering the working world. Our local network creates opportunities for students to work and learn in the field at all stages of their studies.

Graduate-level programs in the School of Business and Economics help professionals and executives develop insights into advanced business theories and practice that can be immediately applied in the workplace. The Sonoma MBA for Professionals, our evening Masters in Business Administration program, is organized around a 4-3-2-1 model - four core courses, three theme areas, two electives, and one capstone course – that balances the need to build a strong foundation of core skills for all students with the curriculum flexibility to take courses that serve students' unique academic interests and career paths. Also, the Sonoma MBA in Wine Business is the only one of its kind in the United States and offers deep connections to the local industry.

The Sonoma Executive MBA program is an alternative-format MBA program designed for those seeking an environment for entrepreneurial and strategic thinking, along with greater depth in leadership and global business education. Designed for seasoned professionals with at least eight years of work experience, the Sonoma EMBA honors family and career with classes scheduled two days a week on alternating weekends. The Sonoma Executive MBA in Wine Business focuses our EMBA curriculum on global wine operations, strategic brand management, and other industry-relevant skill areas.

Within the School of Business and Economics, several organizations and initiatives exist to promote our students and support North Bay communities and communities everywhere:

- The Wine Business Institute is an education and research institute that provides business solutions for the wine industry and is a globally respected resource for knowledge, education, and research within the wine industry. It supports the wine industry by providing relevant and practical research, professional development seminars, and, through the Department of Business Administration, both undergraduate and graduate degree programs.
- The School of Business and Economics Career Center offers dedicated career development and professional preparation opportunities to all of our majors. We have vibrant mentor and internship programs, a professional skills training program, and multiple events that connect numerous local hiring companies with our students.
- The School of Business and Economics provides a hub of entrepreneurship education and resources for the North Bay. Our entrepreneurship resource website, entrepreneur in residence, and connections to the local entrepreneurial community are central components of our new hub.
- The Center for Regional Economic Analysis provides high-quality research, data, and analysis for local industry and governments. The Center produces and disseminates new information in the general area of economic research and the specific areas of business and economics, local and regional economic development, and fiscal policy.
- The North Bay Economic Outlook Conference is a partnership of representatives from organizations in both the public and private sectors. Each year, the school supports this regional conference which examines and analyzes contemporary, critical issues in support of our local community's economic development.

Business Administration

Department Office
Stevenson Hall 2042
(707) 664-2377
sbe.sonoma.edu/undergraduate/bs-business-administration

Department Chair
Doug Jordan

Executive Director of Graduate and Executive Programs
John Stayton

Executive Director of Wine Business Institute
Ray Johnson

For faculty information, please see Faculty or the Business Administration faculty web page.

Department Mission

The Department of Business Administration at Sonoma State University offers high-quality, relevant education in business to aspiring and practicing professionals, managers, and entrepreneurs in the private and public sectors. It does this in a liberal arts and sciences environment in which faculty emphasize the development and continuous improvement of the skills of critical thinking, effective communication, ethical reasoning, maintaining a global perspective, and applying disciplinary tools.

Careers in Business Administration

The Department of Business Administration offers a wide selection of specialized courses designed to meet a variety of career objectives. These career objectives include, but are not limited to, management-level accounting positions in business, government, or public accounting; financial management, financial analysis and planning, investment banking, and insurance; general management, personnel, labor relations, public relations, wage and salary administration, training, and international business; advertising and promotion, product development, marketing research, and sales management; and positions in sales and management within the wine industry.

Accounting Concentration

Advisors: Kathryn Chang, Kirsten Ely, Elizabeth Stanny, Vincent Richman, Jinglin Jiang

Five courses are required. The accounting concentration prepares students for management-level accounting positions in business and government or public accounting. Specialized courses are offered in financial accounting, cost accounting, auditing, and taxation. Students who intend to sit for the CPA exam should take all upper-division accounting courses listed below.

Required Courses:

- BUS 330A - Intermediate Accounting **Unit(s): 4**
- BUS 330B - Intermediate Accounting **Unit(s): 4**

Select at least three of the following courses:

- BUS 335 - Ethical Reasoning in Accounting **Unit(s): 4**
- BUS 385A - Special Topics in Accounting **Unit(s): 3-4**
- BUS 430 - Advanced Accounting **Unit(s): 4**
- BUS 433A - Individual Taxation **Unit(s): 4**
- BUS 433B - Corporation and Estate Taxation **Unit(s): 4**
- BUS 434 - Auditing **Unit(s): 4**
- BUS 435 - Cost Accounting **Unit(s): 4**
- BUS 436 - Business Law **Unit(s): 4**
- BUS 437 - Governmental Accounting **Unit(s): 4**

Business Administration with a Wine Business Concentration, MBA

The Sonoma MBA in Wine Business is intended to prepare graduates for positions of management and leadership in wine industry organizations. Located in the heart of California's wine country, we offer extraordinary experiences in learning through local internships, special studies, student-run projects, and professional connections to alumni in the industry.

The Sonoma MBA in Wine Business is designed to primarily meet the needs of the working student in Sonoma County and the North Bay region as well as full-time students from the other parts of the country and the world. Our evening classes easily fit into busy schedules, small class sizes allow for students to make personal connections with classmates, and professional instructors are committed to helping students reach future business goals.

The Wine Business MBA program (31 units) consists of the following course sequence:

- eMBArk Weekend
- 4 Core Courses
- 3 Theme Area Courses
- 2 Elective Courses
- 1 Capstone Experience

Note: A minimum of 3 of the Theme Area and Elective Courses need to be Wine Business Courses.

Special Program Requirements

All candidates for the Sonoma MBA in Wine Business will be expected to complete the Foundation and Intermediate levels of the online Wine Business Management Certificate program before being admissible to the Sonoma MBA program in Wine Business. This requirement may be waived by completion of 24 units of wine related coursework, 24 months of wine industry work experience, or any combination thereof.

eMBArk Weekend (1 unit)

The MBA experience begins with an experiential immersion weekend day that combines academic planning, teamwork development, and case analysis practice.

4 Core Courses (12 Units)

The MBA core courses are a cluster of graduate business courses that provide a base knowledge upon which other courses and theme areas build. In the first year, students complete the four core courses as a cohort, a group study model that builds relationships and mirrors a team workforce environment. Two courses are completed in the Fall Semester and two courses are completed in the Spring Semester. The four core courses which are prerequisites for all other courses are:

- BUS 535 - Cost Analysis and Control **Unit(s): 3**
- BUS 540 - Managing and Motivating Employees **Unit(s): 3**
- BUS 570 - Seminar in Managerial Finance **Unit(s): 3**
- BUS 580 - Business Intelligence **Unit(s): 3**

3 Theme Areas (9 Units)

Breadth of exposure and relevance to today's workplace is ensured by requiring students to take one course in each of three thematic areas: Leadership and Ethics, International Business and Global Issues, and Contemporary Business Issues. A sample of possible courses in each theme areas include:

Leadership and Ethics

- BUS 552 - Leadership and Innovation **Unit(s): 3**
- BUS 547W - Wine Legal and Regulatory Issues **Unit(s): 3**

International Business and Global Issues

- BUS 516 - Operations Management **Unit(s): 3**
- BUS 545W - Global Wine Business **Unit(s): 3** (required)

Contemporary Business Issues

- BUS 565W - Marketing and Sales Strategies for Wine **Unit(s): 3**

2 Elective Courses (6 Units)

Students gain depth in the areas of their interest by choosing two electives taken from any thematic area, or by setting up a special study experience or an internship project.

1 Capstone (3 Units)

Students put it all together in a final business strategy course (BUS 591) that requires them to develop an in-depth case study on an existing wine business. To enroll in the capstone course, it must be the student's last semester in the program and the student must have completed the 4 core and 3 theme area courses. Exceptions require the approval of the Director of MBA Programs.

Business Administration, B.S.

Department Mission

The Department of Business Administration at Sonoma State University offers high-quality, relevant education in business to as aspiring and practicing professionals, managers, and entrepreneurs in the private and public sectors. It does this in a liberal arts and sciences environment in which faculty emphasize the development and continuous improvement of the skills of critical thinking, effective communication, ethical reasoning, maintaining a global perspective, and applying disciplinary tools.

Program Learning Outcomes

- Demonstrate general business problem-solving skills
- Employ ethical reasoning
- Apply global perspectives
- Interpret quantitative applications
- Demonstrate written communication skills
- Show oral communication skills

Careers in Business Administration

The Department of Business Administration offers a wide selection of specialized courses designed to meet a variety of career objectives. These career objectives include, but are not limited to, management-level accounting positions in business, government, or public accounting; financial management, financial analysis and planning, investment banking, and insurance; general management, personnel, labor relations, public relations, wage and salary administration, training, and international business; advertising and promotion, product development, marketing research, and sales management; and positions in sales and management within the wine industry.

Business Administration, B.S.

The bachelor's degree in Business Administration includes a pre-business program, a core of course requirements, and a broad range of fields of concentration. All students in the major take preparatory courses and lower-division core requirements and then select concentrations based on individual interest and career plans. The fields of concentration include: accounting, finance, financial management, management, marketing, wine business strategies, and a special concentration designed by the student with the approval of the department chair. A Bachelor of Science in Business Administration prepares students for careers in an increasingly globalized world and trains them to be responsible citizens and effective leaders.

Degree Requirements

General Education	48
Pre-Major Preparatory Courses	
MATH 131 or MATH 161 in GE category B4	
ECON 204 in GE category D5	
ECON 205 in GE category D1	
BUS 211 or MATH 165 or ECON 217	
Major requirements [minimum]	55
General electives (to meet minimum degree requirements)	17
Minimum units needed for graduation:	120

A minimum of 120 semester units is required to graduate with a bachelor of science degree in business administration. A total of 55 units with a minimum 2.00 GPA is required for the major; 20-21 additional units are needed in preparatory courses, many of which might apply toward general education requirements. In addition to general education and the major, some students need to take other coursework to fulfill unit requirements for the degree. Such courses may be selected from the entire University curriculum and may be used to explore other disciplines, complete a minor, or take more classes in the major.

Advising

The Department of Business Administration believes that advising is essential for students' success. Students are encouraged to meet regularly with their advisor and are required to seek advising at certain critical junctures. These junctures occur when creating a 4-year plan, when changing status from Pre-Business to Business and planning a concentration, when applying for graduation, and when experiencing academic difficulties.

The department maintains an active advising function in a two-tier system. Business administration employs a full-time academic advisor with whom each Pre-Business student should consult on matters regarding general education, University requirements, the Pre-Business program, and routine major issues. When students move from Pre-Business to the Business Administration major, they are assigned a faculty advisor. Every full-time faculty member actively advises students, especially on matters relating to the major and careers.

Pre-Business Administration Program

All students enter the Business Administration program as Pre-Business majors. Pre-Business students must meet the computer competency requirement and complete all pre-major coursework prior to being granted Business Administration major status. Business major status is required to take upper-division business courses.

Computer Competency

Prior to being admitted to Business Administration status all Pre-Business majors must demonstrate computer competency. Students may demonstrate competency by passing an approved Microsoft Excel

competency examination. Students should plan carefully and consult with the school website for test and registration information. Students may also demonstrate competency by earning a grade of C or better in an approved course that covers Microsoft Excel at an intermediate level.

Pre-Major Courses

Pre-major coursework consists of both preparatory courses and the lower-division portion of the Pre-Business major. Preparatory courses and lower-division core courses together constitute the Pre-Business major. A letter grade of C or better is required in each Pre-Business major course. In addition to demonstrating computer competency, all the following coursework must be completed as part of the Pre-Business program. When the pre-major courses listed below are completed with a C or better, students have to file a Change of Status form along with all corresponding unofficial transcripts in order to change their major to Business Administration. Then the student will be able to register for upper-division Business major classes.

Preparatory Courses for Pre-Business Major

(units that are necessary but do not count toward the major)

- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- ECON 205 - Introduction to Microeconomics **Unit(s): 4**

- MATH 131 - Introduction to Finite Mathematics **Unit(s): 3**
OR
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- BUS 211 - Business Statistics **Unit(s): 4**
OR
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
OR
- ECON 217 - Statistics for Economics and Business **Unit(s): 4**

Lower-Division Pre-Business Core

(units count in the major)

- BUS 225 - Legal Environment of Business **Unit(s): 4**
- BUS 230A - Financial Accounting **Unit(s): 4**
- BUS 230B - Managerial Accounting **Unit(s): 4**

Major in Business Administration

Major Component	Normal Unit Distribution
Lower-division business core (3 courses)	9-12
Upper-division business core courses (7 courses)	28

Concentration (5 courses)	15-20
Electives in major	As needed
Total units needed for major:	55

Transfer students may complete the Business Administration course requirements (10-course core and 5-course concentration) with fewer than 55 units; however, additional business electives must be taken to complete the 55-unit major requirement. Such students may elect to take additional coursework from their own or another area of concentration or from other approved courses offered within the business curriculum, such as BUS 295, BUS 296, BUS 385, BUS 399, BUS 495, and BUS 499, as long as they meet the prerequisites for such courses. It is recommended that students familiarize themselves with course requirements and consult with a faculty advisor prior to choosing elective courses intended to meet the major requirements. At least one-half of the courses, including a minimum of 3 courses in the concentration, must be completed at SSU.

Upper-Division Business Core

All business students must complete the following seven core requirements. (Note that coursework in the selected area of concentration usually may be taken concurrently with the core courses.)

- BUS 316 - Operations and Supply Chain Management **Unit(s): 4**
- BUS 319 - Introduction to MIS **Unit(s): 4**
- BUS 320 - Business Data Analysis and Interpretation **Unit(s): 4**
- BUS 344 - Organizational Behavior **Unit(s): 4**
- BUS 360 - Introduction to Marketing **Unit(s): 4**
- BUS 370 - Introduction to Managerial Finance **Unit(s): 4**
- BUS 491 - Seminar in Management Strategy and Policy **Unit(s): 4 ***

** Important Note: BUS 491 is the capstone course in the Business Administration major and is designed to be taken in the student's final semester. Prerequisites: all six 300-level business core requirements and submission of graduation application.*

Concentrations for Business Administration Majors

Every business student must complete an area of concentration within the major. Each concentration consists of five courses. Each of these courses will be of 3 or more units. Students should plan carefully and consult their faculty advisor regularly and before enrolling in concentration courses. Those wishing to complete a double concentration must take at least eight concentration courses beyond the core. Many concentration courses can be taken while completing core requirements. Most courses in the concentrations have prerequisites. At times, appropriate courses from other majors, such as psychology, sociology, public administration, economics and environmental studies, may be substituted in a concentration with the approval of the concentration advisor and the department chair. Except for the special concentration, at least 3 of the concentration courses must be taken at SSU.

Concentrations

Accounting Concentration *Advisors:* Kathryn Chang, Kirsten Ely, Elizabeth Stanny, Vincent Richman, Jinglin Jiang

Finance Concentration *Advisors:* Aidong Hu, Douglas Jordan, Michael Santos, Zachary Wong

Financial Management Concentration *Advisors:* Kathryn Chang, Kirsten Ely, Aidong Hu, Douglas Jordan, Vincent Richman, Michael Santos, Elizabeth Stanny, Zachary Wong

Management Concentration *Advisors:* Angelo Camillo, Naga Damaraju, Armand Gilinsky, Sandra Newton, Nadiya Parekh, Janejira Sutanonpaiboon, Elizabeth Thach, Karen Thompson, John Urbanski

Marketing Concentration *Advisors:* Thomas Atkin, Richard Campbell, David Horowitz, Kyuho Lee, Janeen Olsen

Wine Business Strategies Concentration *Advisors:* Thomas Atkin, Armand Gilinsky, Sandra Newton, Janeen Olsen, Elizabeth Thach, Damien Wilson

Special Concentration *Advisors:* Adele Santana

Certificates for Business Majors

French Language Certificate for Wine Business

Professional Sales Certificate

Undergraduate Program Special Requirements

Residency

At least one-half of the courses of the major, including three of the courses in the concentration, must be completed at Sonoma State University.

Change of Major

The catalog year for a student declaring a major in Business Administration will be the catalog in effect at the time of such declaration.

Change of Status from Pre-Business to Business Administration Major

Pre-Business students must file a Change of Status form in the department to request change of status to the Business Administration major. This request should be submitted as soon as the student has completed, with a C or better, all required courses in the pre-major program and demonstrated computer competency. A faculty advisor will be assigned to assist the student with matters related to the major program. The change to Business Administration status will not become effective until completion of Pre-Business major requirements (with minimum "C" grades) has been verified.

Business Administration, B.S. at College of Marin

The School of Business and Economics is offering a Bachelor of Science in Business Administration degree completion program in partnership with the SSU School of Extended & International Education and the College of Marin. The degree completion program provides a pathway for students in the

greater San Francisco North Bay area to earn a B.S. in Business Administration with a concentration in Management. Courses are taught by SSU faculty, scheduled evenings and Saturdays on the Kentfield campus of the College of Marin. The program is accredited by the Association to Advance Collegiate Schools of Business (AACSB) and is designed specifically for students with work, family, or other commitments who are not able to join traditional Business degree programs on the main SSU campus in Rohnert Park.

Sample Four-Year Program

Please note: This is one possible four-year schedule. Other schedules may also be feasible. *It is important to see your advisor each semester to confirm that you are taking the correct courses.*

Bachelor of Science in Business Administration

Freshman Year: 33-34 Units

Avoid Upper-Division GE until junior year Computer Competency Requirement should be met by the end of the first semester in the sophomore year

Fall Semester (15-16 Units)

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s): 3**
- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- MATH 131 - Introduction to Finite Mathematics **Unit(s): 3**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**

Spring Semester (18 Units)

- ECON 205 - Introduction to Microeconomics **Unit(s): 4**
- BUS 211 - Business Statistics **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- ECON 217 - Statistics for Economics and Business **Unit(s): 4**
- GE

Sophomore Year: 30-32 Units

Select a lab with one GE Area B course; select an Ethnic Studies (i.e., Critical Race Studies) course for GE Areas C, D, or E Computer Competency Requirement should be met by the end of the first semester in the sophomore year

Fall Semester (15-16 Units)

- BUS 230A - Financial Accounting **Unit(s): 4**
- GE

- GE
- GE
- Elective

Spring Semester (15-16 Units)

- BUS 230B - Managerial Accounting **Unit(s): 4**
- BUS 225 - Legal Environment of Business **Unit(s): 4**
- GE Area B2 + B3: Life Science + Laboratory Activity
- GE

Junior Year: 30-33 Units*

Fall Semester (14-16 Units)

- UD BUS Core**
- UD BUS Core
- UD GE Elective
- Take WEPT

Spring Semester (16-17 Units)

- UD BUS Core
- UD BUS Core
- BUS Concentration
- UD GE

Senior Year: 30-31 Units

Apply for graduation at beginning of senior year.

Fall Semester (15-16 Units)

- UD BUS Core
- UD BUS Core
- BUS Concentration
- BUS Concentration
- GE or Elective (if needed)

Spring Semester (15-16 Units)

- BUS 491 - Seminar in Management Strategy and Policy **Unit(s): 4** ***
- BUS Concentration
- BUS Concentration
- UD GE

- Elective (if needed)

Total Units: 120

*Completion of all Pre-Business requirements is the prerequisite for any upper-division Business class.

**Students should take BUS 344 in their first semester in the Business major if they are planning to complete the Management concentration; 360 first for the Marketing concentration; 370 first for the Finance or Financial Management concentration.

***BUS 491 is designed to be taken in the last semester of the program (prerequisites: all 300-level Business Core courses and submission of graduation application.)

Business Administration, MBA

The Sonoma Master of Business Administration degree (MBA) for Professionals is intended to prepare graduates for positions of management and leadership in organizational settings in both the private and public sectors. This evening program is designed primarily to meet the needs of the working student. Sonoma MBA students have the option to choose the Wine Business concentration. Information on all Sonoma MBA programs can be found at <https://sbe.sonoma.edu/mba>.

Program Learning Outcomes

- Analyze accounting and financial data
- Evaluate and apply business research data
- Recognize and apply techniques for managing and motivating employees
- Apply leadership theories and practices to promote ethical, sustainable, and innovative approaches to organizational issues

MBA Admissions

The Sonoma MBA program launches each year in the fall. The application period is October 1 to April 30. All documentation required for admission must be received by the University and department no later than the last day of the relevant application period.

Information on how to apply can be found at <https://sbe.sonoma.edu/mba-programs-admissions>. The first step in the application process is to submit an online application through Cal State Apply. After this preliminary application is submitted, applicants will be advised as to the next steps in the admission process. Applicants are encouraged to apply early! To be admitted to the MBA program, a candidate must meet the requirements of both the University and the Department of Business Administration. In addition, all candidates for the Sonoma MBA in Wine Business will be expected to complete the Foundation and Intermediate levels of the online Wine Business Management Certificate program before being admissible to the Sonoma MBA program in Wine Business. This requirement may be waived by completion of 20 units of wine-related coursework, 24 months of wine industry work experience, or any combination thereof.

University Requirements

The requirements for admission to graduate study (work beyond the bachelor's degree) at Sonoma State University are in accordance with Title 5, *California Administrative Code*. For admission, students must:

- Hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association or have completed academic preparation as determined by an appropriate campus authority;
- Have attained a grade point average of at least 2.50 (A =4.00) in the last 60 semester (90 quarter) units attempted;
- Have been in good standing at the last college attended; and
- Have earned a minimum score of 550 on the paper version or 80 on the computerized version of the Test of English as a Foreign Language (TOEFL) for those applicants who have not spent at least three years of school at the secondary level (or beyond) where English is the principal language of instruction.

International students must meet the admissions criteria set forth by the graduate department.

Students in the Professional MBA programs are required to gain practical experience by (a) completing an internship course, (b) working for eight or more months during their MBA program, or (c) combining an internship course and work for a total of eight or more months during their MBA program.

International students may be authorized for Curricular Practical Training (CPT) to be eligible for off-campus work or internships in a position directly related to their field of study.

Department of Business Administration Requirements

An individual may apply for admission to the MBA program with or without an academic background in business administration. Applicants will not be considered without a current Graduate Management Admissions Test (GMAT) score or Graduate Record Exam (GRE) score (either one must be less than 5 years old). The department requires a GMAT score of at least 450 overall (or equivalent GRE score) and a GPA of at least 2.50 in the last 60 semester units (90 quarter units) attempted. Applicants are expected to have two years of full time work experience prior to starting the program. The department considers the candidate's application, academic background, work experience, and performance on the GMAT or GRE in evaluating high promise of success in the program.

A candidate who is not accepted may appeal to the Graduate Programs Committee for admission reconsideration. Such appeals are not routinely granted.

Documentation Needed to Apply

After applicants have been advised by the MBA Admissions Manager to apply, the following documentation is required for consideration of acceptance into the Sonoma MBA Program. All documentation required for admission must be received by the University and department no later than the last day of the relevant application period.

1. An online Cal State Apply Application must be submitted. International students must also submit a copy of the Test of English as a Foreign Language (TOEFL) score with a minimum of 550 on the paper version or 80 on the computerized version. For more information on applying, contact the Graduate Business Programs office at mba@sonoma.edu or call (707) 664-3501.
2. Official transcripts should be ordered from each college attended. A copy of each transcript should be sent to the Office of Admissions and Records at: Sonoma State University 1801 East Cotati Avenue Rohnert Park, CA 94928-3609. All community college and university transcripts that provide evidence of completion of MBA foundation courses must be included.

3. A current resume should be sent to the MBA Admissions Manager, School of Business and Economics, at the address above.
4. An official GMAT or GRE score report should be sent to California State University - Sonoma. Information regarding ordering GMAT score reports, locating a GMAT testing site, and GMAT preparation materials can be obtained on www.mba.com. All information regarding the GRE can be found at www.ets.org/gre.

Graduate Student Status

A candidate admitted into the Sonoma MBA program will be admitted in one of two categories:

- **Conditionally Classified Graduate Status.** A student admitted to the MBA program as a Conditionally Classified Graduate Student can take only foundation courses. This student may not take MBA required or elective courses without permission of the Director of MBA Programs. A student who begins as a Conditionally Classified Graduate Student will be eligible for advancement to Classified Graduate Status upon successful completion of the foundation courses.
- **Classified Graduate Status.** A student admitted to the MBA program as a Classified Graduate Student will have completed the foundation courses at the time of admission. This student should take the MBA core courses to begin the program.

Admissions Process

The Office of Admissions and Records performs the initial evaluation of the application and transcripts and determines eligibility for admission to the University. If the candidate is not eligible for admission to the University, the candidate is notified and the process stops.

If the candidate is eligible for admission to the University, the application is forwarded to the Director of MBA Programs for the department recommendation. When the GMAT or GRE score and resume are received, eligibility for admission to the MBA program is determined and a recommendation for status of admission is returned to the Office of Admissions and Records, which will notify the candidate of the results.

Students who have not taken the GMAT or GRE will not be accepted for entrance into the program.

Transfer Credits

Up to 6 units of approved graduate level work from accredited universities may be transferred to meet part of the 31 units for the MBA. However, these requests are not routinely granted. Graduate courses equivalent to our foundation courses will not be accepted to meet elective or required MBA courses. Transfer courses must be approved by the Director of MBA Programs. Students are advised to get approval prior to taking any transfer courses.

Eligibility for MBA Courses

Courses offered in the Sonoma MBA program have restricted enrollment.

- For MBA foundation courses, a student must be at least a Conditionally Classified MBA student or obtain written permission from the Director of MBA Programs.

- For MBA required or elective courses, a student must be a Classified MBA student or obtain written permission from the Director of MBA Programs.

Readmission

Continuing students (those who have completed courses in the MBA Program) may take a leave of absence from the program for one or two semesters by completing a 'Leave of Absence' form and filing it with the Office of Admissions and Records. Students who take more than two semesters off and/or do not complete a 'Leave of Absence' form must reapply and meet current admission standards as presented above. In addition, the GMAT or GRE used to determine that admission can not be more than 5 years old. Students readmitted may have to recertify courses. Recertification is necessary for any course that will be more than 7 years old in the semester the degree is granted.

MBA Program Curriculum

The Sonoma MBA for Professionals program has been adapted to meet the ever-changing needs of today's business world. It will equip students with business tools and strategies to deliver results in today's transformational economy. It will teach students not just how to read financial statements, but how to apply that information to make decisions and shape strategy. It will help students learn not just the principles of marketing, but how to develop a brand, deliver transformational customer experiences, and integrate marketing communication across numerous outlets. Students will gain knowledge not just in business strategies, but in innovation, entrepreneurship, and data analytics.

The Sonoma MBA is organized around a 4-3-2-1 model: four core courses, three theme areas, two electives, and one capstone course. Three theme areas - International Business and Global Issues, Leadership and Ethics, and Contemporary Business Issues - allow students to choose their career emphasis.

Inside and outside of the classroom, students gain access to the deep knowledge of our regional business partners and to career support services.

Evening classes are designed to easily fit into busy schedules, small class sizes allow students to make personal connections with classmates, and academic and professional instructors are committed to helping students reach their future business goals.

Analytical Writing Requirement

All candidates entering SSU as MBA students who do not score at least 4.00 on the analytical writing portion of the GMAT or a 3.5 on the GRE's analytical writing section must pass the CSU Written English Proficiency Test (WEPT) either during their first semester or before completing the foundation courses.

Grades

All courses applied to the program must be completed with an overall GPA of 3.00, and no course for which a final grade below C is assigned may be used to satisfy this requirement. Graduate programs must be completed in no more than 7 years, which is computed as 14 semesters.

The Sonoma MBA for Professionals program (31 units) consists of the following course sequence:

- eMBArk Weekend
- 4 Core Courses
- 3 Theme Area Courses
- 2 Elective Courses
- 1 Capstone Experience

If students do not have an undergraduate business degree, there may be an additional foundation step of the program that needs to be completed (see MBA Foundation Courses below). Contact our office for a transcript review and/or assistance at (707) 664-3501.

eMBArk Weekend (1 Unit)

The Sonoma MBA experience begins with an experiential immersion weekend day that combines academic planning, teamwork development, and case analysis practice.

4 Core Courses (12 Units)

The MBA core courses are a cluster of graduate business courses that provide a base knowledge upon which other courses and theme areas build. In the first year, students complete the four core courses as a cohort, a group study model that builds relationships and mirrors a team workforce environment. Two courses are completed in the Fall Semester and two courses are completed in the Spring Semester. The four core courses, which are prerequisites for all other courses are:

- BUS 535 - Cost Analysis and Control **Unit(s): 3**
- BUS 540 - Managing and Motivating Employees **Unit(s): 3**
- BUS 570 - Seminar in Managerial Finance **Unit(s): 3**
- BUS 580 - Business Intelligence **Unit(s): 3**

3 Theme Areas (9 Units)

Breadth of exposure and relevance to today's workplace are ensured by requiring students to take one course in each of three thematic areas: Leadership and Ethics, International Business and Global Issues, and Contemporary Business Issues. A sample of possible courses in each theme area includes:

Leadership and Ethics

- BUS 552 - Leadership and Innovation **Unit(s): 3**

International Business and Global Issues

- BUS 516 - Operations Management **Unit(s): 3**
- BUS 593 - Seminar in International Business **Unit(s): 3**

Contemporary Business Issues

- BUS 519 - Management Information Systems **Unit(s): 3**
- BUS 560 - Seminar in Marketing Management **Unit(s): 3**

2 Elective Courses (6 Units)

Students gain depth in the areas of their interest by choosing two electives taken from any thematic area, or by setting up a special study experience, or an internship project.

1 Capstone (3 Units)

Students put it all together in a final business strategy course (BUS 591) that requires them to develop a comprehensive case research project with an existing organization. To enroll in the capstone course, it must be the student's last semester in the program and the student must have completed the 4 core and 3 theme area courses. Exceptions require the approval of the Director of MBA Programs.

MBA Foundation Courses (32 semester units)

The MBA Foundation Courses provide the fundamental knowledge of business principles to prepare students for the study of business at the graduate level. This set of courses is taken either at the undergraduate level or as MBA preparation courses. Foundation courses may be waived for competencies demonstrated by the undergraduate courses or their equivalents listed below or by examination. All courses listed at the 200 level may be taken at a junior college. All courses listed at the 300 level must be taken at a four year institution at the upper division level. Assuming all other admissions requirements are met, a student needing one or more foundation courses will be admitted as a Conditionally Classified Graduate Student. The MBA Foundation Courses include the following (or their equivalents):

- BUS 211 - Business Statistics **Unit(s): 4**

- BUS 230A - Financial Accounting **Unit(s): 4**
AND
- BUS 230B - Managerial Accounting **Unit(s): 4**
OR
- BUS 501 - Foundations of Accounting **Unit(s): 2-3**

- BUS 344 - Organizational Behavior **Unit(s): 4**
OR
- BUS 504 - Foundations of Organizational Behavior **Unit(s): 2-3**

- BUS 360 - Introduction to Marketing **Unit(s): 4**
OR
- BUS 506 - Foundations of Marketing **Unit(s): 2-3**

- BUS 370 - Introduction to Managerial Finance **Unit(s): 4**

OR

- BUS 507 - Foundations of Managerial Finance **Unit(s):** 2-3

- ECON 204 - Introduction to Macroeconomics **Unit(s):** 4

AND

- ECON 205 - Introduction to Microeconomics **Unit(s):** 4

OR

- ECON 501 - Foundations of Economics **Unit(s):** 2-3

MBA Program with a Wine Business Concentration

Business Administration with a Wine Business Concentration, MBA

Business Administration, Minor

The Minor in Business Administration has the following features and requirements:

1. The Business Minor consists of 5 courses. There are 4 required courses and one elective. The elective course may be any upper-division Business course. A student must meet the prerequisites to be eligible to take the chosen upper-division Business course. The 5 courses are: BUS 230A - Financial Accounting BUS 344 - Organizational Behavior BUS 360 - Introduction to Marketing BUS 370 - Introduction to Managerial Finance Upper-division Business elective
2. The Business Minor must consist of a minimum of 20 units in Business Administration and must be approved by the chair of the Business Administration department.
3. The student must have a minimum GPA of 2.50 in order to apply for the Business Minor.
4. Students must complete a Business Minor Declaration Form and submit it to the Business Administration department office.
5. Students must take BUS 230A in their first semester of business courses and earn a grade of C or better.
6. BUS 344, BUS 360, BUS 370, and the upper-division Business elective must be completed at Sonoma State University.
7. Business Minor students will usually take only one of the above courses per semester. However, students are allowed to take two business courses in one semester subject to seat availability.
8. Students who are eligible to take BUS 344, BUS 360, and BUS 370, or the elective course must submit a Request to Take an Upper-Division Business Administration Course form to the School of Business and Economics Office. The student will then be given a permission number in order to be allowed to register for the course.
9. Contract courses such as BUS 399, BUS 495 and BUS 499 may not be taken as the Minor elective.

French Language Certificate for Wine Business

The French Language Certificate for Wine Business is an interdisciplinary certificate program designed to enhance the global perspective of undergraduate students in the Wine Business Strategies concentration. The program combines rigorous studies in wine business with proficiency in the French

language and familiarity with French culture. The program consists of 26 - 28 total units with 18 - 20 units of Wine Business courses and 8 units of beginning, intermediate, or advanced French language courses. Students must have a concentration in Wine Business Strategies in the Business Administration major in order to pursue this certificate.

Some of the Wine Business courses have prerequisites, so be sure to check the course descriptions in the SSU catalog. Students will meet individually with French faculty for placement in the appropriate level of French language courses. Additional information and the application for the certificate are available on the French Program's website. Students who enroll in the program will choose the level of proficiency they plan to attain, completing at least one year of college-level French at Sonoma State University. For more information about the French Language Certificate for Wine Business please visit: www.sonoma.edu/modlang/french/winebizfrench or contact suzanne.toczyski@sonoma.edu

Required Courses (18-20):

- BUS 305W - Introduction to Wine Business **Unit(s): 4**
- BUS 464W - Production, Operations, and Distribution (Wine **Unit(s): 4**)
- BUS 465W - Wine Marketing **Unit(s): 4**
- BUS 499W - Internship in Wine Business Strategies **Unit(s): 3-4**

In addition, students will enroll in one of the following pairs of courses (8 units):

- FR 101 - First-Semester French **Unit(s): 4 AND**
- FR 102 - Second-Semester French **Unit(s): 4**
OR
- FR 201 - Third-Semester French **Unit(s): 4 AND**
- FR 202 - Oral French **Unit(s): 4**
OR
- FR 300 - Introduction to Literary Analysis and Critical Writing **Unit(s): 4 AND**
- One additional upper division French course.

Professional Sales Certificate

The Professional Sales Certificate is an academic certificate program that offers a skillset to launch students into a professional sales career in any industry. It consists of 21-22 units, many of which are required in the Business Administration degree or the Marketing concentration.

As in the Business Administration degree program, there are prerequisites for many of the courses. Check the course descriptions in the catalog for these prerequisites. Enrollment in the Professional Sales Certificate program must be approved by the department chair.

Required Courses:

- ECON 205 - Introduction to Microeconomics **Unit(s): 4**

OR

- BUS 211 - Business Statistics **Unit(s): 4**
- BUS 230A - Financial Accounting **Unit(s): 4**
- BUS 360 - Introduction to Marketing **Unit(s): 4**
- BUS 463 - Sales Management and Personal Selling **Unit(s): 4**
- BUS 493 - Advanced Topics in Professional Sales **Unit(s): 2**
(offered through the School of Extended and International Education)

Elective Course

(Choose one of the following courses):

- BUS 391 - Cross-cultural Communication and Negotiation **Unit(s): 4**
- BUS 367 - Consumer Behavior **Unit(s): 4**
- BUS 499MK - Internship in Marketing **Unit(s): 3-4**

Wine Business Strategies Concentration

Five courses are required. The wine business concentration is most ideal for students seeking a general management position within the wine industry. A viticulture and/or enology academic background is not required.

Required Courses for Wine Business Strategies Concentration:

- BUS 305W - Introduction to Wine Business **Unit(s): 4**
- BUS 464W - Production, Operations, and Distribution (Wine **Unit(s): 4**)
- BUS 465W - Wine Marketing **Unit(s): 4**
- BUS 499W - Internship in Wine Business Strategies **Unit(s): 3-4**

Select at least one of the following courses:

- BUS 362 - Services Marketing **Unit(s): 4**
- BUS 365 - Introduction to Hospitality and Event Management **Unit(s): 4**
- BUS 366 - Retail Management **Unit(s): 4**
- BUS 385W - Special Topics in Wine **Unit(s): 3-4**
- BUS 396W - The Global Wine Industry **Unit(s): 3-4**
- BUS 397W - Global Marketplace for Wine **Unit(s): 4**
- BUS 399W - Advanced Work Experience in Wine Business Strategies **Unit(s): 3-4**
- BUS 463 - Sales Management and Personal Selling **Unit(s): 4**
- BUS 467W - Wine E-Commerce and Direct Sales **Unit(s): 4**
- BUS 475W - Wine Accounting and Finance **Unit(s): 4**

Wine Production Track

Students in SSU's Wine Business Strategies concentration take coursework in wine production from Santa Rosa Junior College (SRJC) in order to complete this special track in wine production.

Students must:

- complete 5 required courses at SRJC for a total of 8.5 units;
- take a designated GE Chemistry course with a lab from either SRJC or SSU, as specified below, for 3-5 units;
- complete all Pre-Business requirements;
- complete all Business core courses;
- complete 15-16 units of Wine Business Strategies concentration coursework at SSU as described below.

Required Courses at Santa Rosa Junior College:

- WINE 3: Introduction to Enology 4 units
- WINE 42.1 or 42.2: Winery Operations 2 units
- VIT 120: Vineyard Pruning .5 units
- VIT 123: Vineyard Grafting & Budding .5 units
- WINE 70: Beginning Sensory Analysis 1.5 units
- Also, a GE Chemistry course with a lab is required. 3-5 units

Required Courses at SSU for Wine Production Track:

- BUS 305W - Introduction to Wine Business **Unit(s): 4**
- BUS 464W - Production, Operations, and Distribution (Wine **Unit(s): 4**)
- BUS 465W - Wine Marketing **Unit(s): 4**

Select at least one of the following courses:

- BUS 362 - Services Marketing **Unit(s): 4**
- BUS 365 - Introduction to Hospitality and Event Management **Unit(s): 4**
- BUS 366 - Retail Management **Unit(s): 4**
- BUS 385W - Special Topics in Wine **Unit(s): 3-4**
- BUS 396W - The Global Wine Industry **Unit(s): 3-4**
- BUS 397W - Global Marketplace for Wine **Unit(s): 4**
- BUS 399W - Advanced Work Experience in Wine Business Strategies **Unit(s): 3-4**
- BUS 463 - Sales Management and Personal Selling **Unit(s): 4**
- BUS 467W - Wine E-Commerce and Direct Sales **Unit(s): 4**
- BUS 475W - Wine Accounting and Finance **Unit(s): 4**

Economics

Department Office
Stevenson Hall 2042

(707) 664-2377

sbe.sonoma.edu/undergraduate/ba-economics

Department Chair

Michael Visser

For faculty information, please see Faculty or the School of Business faculty webpage.

Economics is a social science that focuses on the organization of economic systems for the production of goods and services and the distribution of wealth and income. The SSU Economics Department is committed to excellence in providing students an education to meet the challenges of the future in a wide variety of careers.

The B.A. degree program has three basic objectives: to provide a sound grasp of the tools of economic analysis and measurement; to provide an understanding of institutional development and the interrelation of economic and social factors; and to develop the student's ability to apply systematic analysis and understanding to decisionmaking in both the private and the public sectors.

Many courses deal with the structure and performance of a particular institution or policy area within the economy. Students can follow their career and intellectual interests by taking these types of courses.

Many faculty have served as practicing economists with public agencies or private firms, bringing a rich background of practical experience analyzing policy issues and problems to their teaching.

Careers in Economics

The curriculum and teaching program of the department are designed for students who seek employment in the public or private sector upon graduation and those who wish to pursue graduate studies in economics, business, public administration, law, and other fields.

Many of the department's graduates have started their careers with major financial institutions, corporate businesses, government, and nonprofit organizations. They find employer preferences for well-trained economics majors as budget analysts, management trainees, marketing specialists, program planners, teachers, and a wide variety of entry-level jobs in which employers expect a person to be able to apply systematic thinking and analysis.

Learning Objectives

Objectives Specific to Economics

Students are required to:

- Articulate an understanding of economic terms, concepts, and theories;
- Identify subjective and objective aspects of economic policy;
- Use both qualitative and quantitative reasoning to analyze social and economic issues; and
- Demonstrate an awareness of current and historic economic issues and perspectives.

General Skills

In the course of meeting the objectives specific to economics, students are expected to acquire and demonstrate:

- Critical-thinking abilities;
- Communication skills; and
- Quantitative and information-based skills.

Relating Knowledge to Values

Students are expected to acquire and demonstrate:

- An awareness of global, historical, and institutional economic issues; and
- Understanding of choices and values behind economic policy formation.

Economics, B.A.

Each of our economic faculty members bring to their teaching a rich background of practical experience analyzing policy issues and problems. This faculty experience, combined with small classes and close relationships to the North Bay economic community, create a unique learning environment for students.

Program Learning Objectives

- Articulate an understanding of economic terms, concepts, and theories.
- Identify subjective and objective aspects of economic policy.
- Use both qualitative and quantitative reasoning to analyze social and economic issues.
- Demonstrate an awareness of current and historic economic issues and perspectives.

Career Possibilities

Economics: Consulting; Research: Local, State and Federal Government Agencies

Banking and Finance: Financial Analysis, Commercial Banking, Credit Analysis, Operations Securities

Insurance: Claims, Underwriting, Risk Management

Sales Management: Person-to-Person and Business-to-Business sales management in all industries

Management: Business and industry

Education: Teaching, Research

(See below for a sample four-year program.)

Degree Requirements	Units
General education (50, 12 in major)	38
Major requirements	45-48
General electives	34-37
Total units needed for graduation	120

Major Core Requirements

- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- ECON 205 - Introduction to Microeconomics **Unit(s): 4**
- ECON 217 - Statistics for Economics and Business **Unit(s): 4**
- ECON 304 - Intermediate Macroeconomic Theory **Unit(s): 4**
- ECON 305 - Intermediate Microeconomic Theory **Unit(s): 4**
- ECON 317 - Introduction to Econometrics **Unit(s): 4**
- Two 400-level economics seminars

Units

Total units in the major core: 30-32 Additional Major Courses: 15-16 (Includes upper division major courses, but excludes ECON 295, 496, 497, 499) Total units in the major: 45-48

Double Majors

Students with majors in disciplines such as business, environmental studies and political science will find that adding an economics major provides them with a breadth of background that is viewed favorably by graduate professional programs and employers. Students interested in any double major with economics should consult with their Economics Department advisor.

Graduate Work in Economics and Related Fields

Economics majors planning graduate work in economics, business, or public administration should take one or more courses of calculus and linear algebra, probability theory, ECON 404, ECON 405 and ECON 417. Consult with an advisor to plan accordingly.

Sample Four-Year Program

* May take MATH 165 or BUS 211 instead of ECON 217

Bachelor of Arts in Economics

Freshman Year: 30-34 Units

Fall Semester (15 Units)

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s): 3**
- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- GE Area B1: Physical Science
- FLC Meets GE Area C2: Humanities

Spring Semester (15-18 Units)

- ECON 205 - Introduction to Microeconomics **Unit(s): 4**
- ECON 217 - Statistics for Economics and Business **Unit(s): 4**
- FLC Meets GE Area A3: Critical Thinking
- GE Area A1: Oral Communication
GE Area D: Social Science

Sophomore Year: 26 Units

Fall Semester (12 Units)

- ECON 304 - Intermediate Macroeconomic Theory **Unit(s): 4**
- ECON 317 - Introduction to Econometrics **Unit(s): 4**
- GE Area B2: Life Science
- GE Area B3: Lab

Spring Semester (14 Units)

- ECON 305 - Intermediate Microeconomic Theory **Unit(s): 4**
- POLS 202 - Issues in Modern American Politics **Unit(s): 4**
- GE Area C1: Arts
GE Area E: Lifelong Learning

Junior Year: 28-29 Units

Fall Semester (14 Units)

- Economics Elective 3XX or 4XX Units 4
- Economics Elective 3XX or 4XX Units 4
- GE Area UD D: Social Sciences Units 3
- Elective Units 3

Spring Semester (14 Units)

- Economics 3XX or 4XX Unit(s): 4
- Economics 3XX or 4XX Unit(s): 4
- UD GE Area B4: Quantitative Reasoning Unit(s): 3
- UD GE Area C: Arts or Humanities Unit(s): 3

Senior Year: 28-31 Units

Fall Semester (15-16 Units)

- Economics 4XX Seminar Unit(s): 4
- Elective Units(s): 3
- Elective Units(s): 3

- Elective Units(s): 3
- Elective Units(s): 3

Spring Semester (14-16 Units)

- Economics 4XX Seminar Unit(s): 4
- Elective Units(s): 3
- Elective Units(s): 3
- Elective Units(s): 3
- Elective Units(s): 3

Total Units: 120

Economics, Minor

Students may qualify for a minor in economics by completing the 24-unit program listed below. The minor will be recorded upon request in the student's official records.

Minor Requirements

- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- ECON 205 - Introduction to Microeconomics **Unit(s): 4**
- ECON 217 - Statistics for Economics and Business **Unit(s): 4**
- ECON 304 - Intermediate Macroeconomic Theory **Unit(s): 4**
- ECON 305 - Intermediate Microeconomic Theory **Unit(s): 4**
- ECON 317 - Introduction to Econometrics **Unit(s): 4**

Units

Total units in the minor: 24

School of Education

David England, Dean
Stevenson Hall 1078
(707) 664-2832
web.sonoma.edu/education

Curriculum Studies and Secondary Education (CSSE)
Stevenson Hall 1078
(707) 664-3115

Early Childhood Studies (ECS)
Stevenson Hall 1078
(707) 664-3115

Educational Leadership and Special Education (ELSE)
Stevenson Hall 1078
(707) 664-3115

Literacy Studies and Elementary Education (LSEE)
Stevenson Hall 1078
(707) 664-3115

The mission of the School of Education at Sonoma State University is to advance excellence in the education profession through the professional preparation of teachers and educational leaders. Central to this mission is the offering of exemplary professional education programs based on sound theory and practice, current research, sensitivity to the needs of P-12 education, appreciation for diversity, and respect for all learners. It also includes the School's active role in the social and educational growth of the communities we serve through various partnerships, projects, and initiatives.

The School of Education provides programs for students seeking a B.A. degree, preliminary credentials, certificates and specialist credentials, and graduate degrees.

Undergraduate students can pursue a major or a minor in Early Childhood Studies. These programs prepare students to pursue careers or graduate study in professions that involve work with young children, as well as qualifying them for the California Child Development Permit. The School of Education offers preliminary teaching credentials in multiple subject (elementary), single subject (middle school/secondary), and special education (Education Specialist: mild/moderate or moderate/severe). Other offerings include Added Authorizations, Reading and Language, Early childhood special Education, bilingual Authorizations (Spanish), and Pupil Personnel Services (PPSC), and Administrative Services credentials. All credential programs are accredited by the California Commission on Teacher Credentialing.

The School of Education offers an M.A. degree in Education with concentrations in curriculum, teaching, and learning; early childhood education; educational administration; reading; and special education. While School of Education programs are designed primarily for positions in public schools, graduates are prepared to work in non-teaching positions in education or related human service fields in both public and private sectors.

University coursework and field experiences provide rich learning opportunities for our students. In line with our mission of excellence in education, our vision of our graduates is that they:

- Are agents of individual growth and social change as well as models and advocates of the broader intellectual and social values of a democratic society;
- Are knowledgeable and thoughtful about the content and pedagogy in their fields of emphasis;
- Promote social, emotional, and moral growth and learning in their classrooms, schools, and communities;
- Design and engage in inclusive educational practices that respects human differences; and
- Continuously inquire, observe, study and reflect to improve as educators.

Coursework and field experiences in the School of Education emphasize the complex interaction of learning and teaching in the context of the diversity of California schools. Current educational theory and research provide the foundation for course and program offerings, with implications for practice drawn from theory/research and the realities of life in classrooms and schools. All programs provide substantive time for students to student teach, intern teach, or serve as administrative interns in schools. The School of Education works closely with area schools and school districts in a variety of partnerships. School of Education faculty collaborate with faculty in other departments and schools across the University in subject matter preparation, pedagogy, and field experiences. Admissions requirements are informed and regulated by the CSU as well as State and National Accrediting agencies. Prospective students should review the School of Education website regularly for current admissions requirements.

Education, M.A.

Description of M.A. in Education Programs

Sonoma State University's School of Education offers two advanced credential programs and five concentrations within the Master of Arts in Education degree. Each of these programs reflects the philosophy, purpose, and goals of the School of Education. In our M.A. programs, students critically examine educational theories and research through a variety of empirical, theoretical, and cultural lenses to develop an informed educational vision and innovative pedagogy in a variety of educational settings. Students have the opportunity to collaborate with faculty and colleagues to examine and influence current educational practice through research, project development, and advocacy. We expect graduates to emerge from their work at Sonoma State University as leaders in their field and agents of change.

The five M.A. in Education areas of concentration offered at Sonoma State University are:

- Curriculum, Teaching, and Learning (see Department of Curriculum Studies and Secondary Education);
- Early Childhood Education (see Department of Early Childhood Studies);
- Educational Leadership (see Department of Educational Leadership and Special Education);
- Reading and Language (see Department of Literacy Studies and Elementary Education);
- Special Education (see Department of Educational Leadership and Special Education); and

Throughout their years in an M.A. program, students are required each semester to meet with the graduate advisor in their area of concentration to plan collaboratively their progress in the M.A. program. Students may also confer with other graduate program faculty and the Director of Graduate Studies for advice and guidance in their coursework and professional development. Students must maintain a 3.00 grade point average in all coursework in the approved M.A. program as well as in all coursework taken subsequent to admission in conditionally classified standing.

For more information about the M.A. in education, read our M.A. handbook.

Prerequisites for the M.A. in Education Program

- A bachelor's degree from an accredited institution;
- A cumulative upper-division and graduate grade point average of at least 3.00 and a grade point average of at least 3.00 for previous work in education; and
- A valid basic teaching credential (except in Curriculum, Teaching, and Learning, Early Childhood Education,

Procedures for Applying to the M.A. in Education Program

1. Apply to the University as a graduate student;
2. Apply to the School of Education; and
3. Submit the following:
 1. A professional goals statement;
 2. One set of official transcripts (note: official transcripts are also needed for the university application);
 3. One photocopy of a valid teaching credential, when required; and
 4. Two current (within 12 months) letters of reference attesting to academic potential and professional promise (except where otherwise noted).

M.A. Core Courses

- EDUC 570 - The Reflective Educator **Unit(s): 3**
- EDUC 571 - Research Paradigms in Education **Unit(s): 3**

Pathways to Program Completion

The M.A. program of study requires 30-36 semester units of course work, depending on the M.A. pathway a student selects. There are three pathways to program completion: the thesis/project, cognate, or individualized examination. We encourage students to become knowledgeable about each of the pathways in order to pursue a program of study that meets their professional goals within their preferred style of learning. In all three pathways, graduate students take 18 units in the program area of concentration and at least 6 units (EDUC 570 - The Reflective Educator and EDUC 571 - Research Paradigms in Education) of M.A. core courses. All M.A. students work with a three-member committee, most closely with the committee chair, to complete a culminating activity, which is presented to the committee in a public forum. In addition to these points in common, there are distinct differences among the three pathways to program completion, as described below. *PLEASE NOTE: None of the*

M.A. core courses may be taken through Extended Education. Thesis/Project Cognate Individualized Examination

The Program Portfolio

In order to advance to candidacy, all students must complete a satisfactory program portfolio and present it to their committee. In most cases, this presentation occurs at the same meeting where the student presents a proposal for the culminating activity.

The program portfolio contains artifacts (papers, projects, etc.) produced by the student throughout the M.A. program which demonstrate the student's proficiency and growth in the areas listed below. The portfolio should be reflective in nature and should show personal, professional, and intellectual growth. It should also demonstrate how the student's M.A. program has prepared the student to undertake the culminating activity (thesis/project, cognate project, or individual examination).

In the program portfolio, students are expected to demonstrate:

- Personal, intellectual, and professional growth over the course of the M.A. program;
- Written language proficiency; Breadth and depth of knowledge in educational research;
- Breadth and depth of knowledge in the program area of concentration;
- Critical analysis of multiple historical, philosophical, and theoretical perspectives in education;
- and Evidence of planning toward the completion of the culminating activity (thesis/project, cognate project, or individualized examination).

Requirements for Advancement to Candidacy:

- Completion of M.A. core courses EDUC 570 and EDUC 571, and of M.A. area of concentration courses;
- Presentation and approval of program portfolio;
- Presentation of culminating activity proposal;
- and Filing of Advancement to Candidacy form (GSO 1) with School of Education Director of Graduate Studies.

Requirements for the M.A. Degree in Education M.A. students must complete all requirements as established by the School of Education, the SSU Graduate Studies Council, and the University, to include:

- Completion of an approved program consisting of a minimum of 30 units of upper-division and 500-level courses, as follows:
 - a maximum of 12 units of upper-division courses not more than 9 semester units of transfer and/or extension credit
 - Filing of an Advancement to Candidacy form that verifies approval of the program portfolio, verifies writing proficiency, and describes the culminating project;
 - and Completion and final approval of culminating activity (thesis/project, cognate project, or individualized examination).

All requirements listed above must be completed within seven years (14 semesters) of the initiation of graduate study. Students have three semesters after taking their final course (EDUC 599 or EDUC 572 or EDUC 573) to complete the culminating activity.

Concentrations and Emphasis

Education with a Concentration in Curriculum, Teaching, and Learning (CTL), M.A.

Education with a Concentration in Special Education, M.A.

Education with a Concentration in Educational Leadership, M.A.

Education with a Concentration in Early Childhood Education, M.A.

Education with an Emphasis in Reading and Language, M.A.

Education: Curriculum Studies & Secondary Education (CSSE)

Department Office

Stevenson Hall 1078

(707) 664-3238

fax: (707) 664-2483

web.sonoma.edu/education/csse

Department Chair

Ed Lyon, Interim Department Chair

For faculty information, please see Faculty or the Curriculum Studies faculty web page.

The Department of Curriculum Studies and Secondary Education is dedicated to the advancement of excellence in education. CSSE offers an exemplary single subject teacher education preparation program based on sound educational practice, extensive research knowledge, and commitment to the needs of diverse populations. Our faculty is comprised of internationally recognized scholars from a wide variety of subject area disciplines who study and produce current research in teacher education and curriculum studies, and who are familiar with the best practices of teachers. CSSE provides many opportunities for students to be part of a high-quality teaching and learning community.

While most of the programs in CSSE are designed for positions in public schools, students can also receive preparation in our master of arts in Curriculum Teaching and Learning, applicable to a wide variety of non-teaching positions in education, government, the corporate sector, and leadership-based initiatives and programs. The Master of Arts in Curriculum, Teaching, and Learning allows students to design their own program of study (area of emphasis), or select an area of emphasis in educational technology, specifically designed for students interested in technology applications in the public or private sector.

Note: Program requirements change periodically, and current information may not be available in this catalog. For more detailed information on credentials and other education programs, please see the University's special bulletins and the School of Education's current program brochures and policy statements, or visit the Education website.

Single Subject (Secondary Schools) Teaching Credential

The Single Subject credential authorizes the holder to teach a specific subject in a school organized by academic disciplines, kindergarten through grade 12. Since most elementary schools are not departmentalized, this credential, in general, is appropriate for the middle/junior high school and high school (art, music, and physical education candidates may teach K-12). The program aims toward two primary goals: (1) to develop the skills and knowledge needed to be an effective beginning teacher, and (2) to establish the professional understandings and attitudes for growth and development throughout a teaching career.

Coursework combined with the field experience in the program will prepare candidates to be:

- Competent in basic classroom skills.
- Knowledgeable and enthusiastic about students, learning, and teaching.
- Respectful of and knowledgeable about cultural, linguistic, and learning diversity, and informed about practices for teaching all students.
- Continue their development as professional educators. After completion of the Single Subject Credential Program, candidates will be recommended for the Preliminary California Single Subject Teaching Credential in a subject area. Successful completion of the program prepares candidates to teach in California's culturally and linguistically diverse classrooms.

Students may satisfy subject matter requirements by passing the appropriate state approved examinations (CSET), OR by completing California approved Subject Matter program.

The Single Subject Credential Program is a two-semester program that begins in the fall semester only. Credentials are offered in the following areas:

Art English
Mathematics Music
Physical Education
Science
Social Science World Language

The Single Subject Credential Program

Students admitted for the fall semester, who successfully complete all coursework and their final student teaching, will be eligible for the credential in June. Students who wish to take longer than two semesters to complete the credential program may extend their program to four semesters. More information regarding the extended program may be obtained from the Single Subject program advisor at (707) 664-3176.

Single Subject program courses required for each phase are listed below. Prerequisite courses and all Phase I courses must be satisfactorily completed prior to beginning Phase II.

Program Prerequisite Courses

- EDUC 417 - School and Society **Unit(s): 3**
- EDSS 418 - Development in Adolescence and Emerging Adulthood **Unit(s): 3**

Program Requirements

Phase I

- EDSS 442 - Equity and Agency in Teaching and Learning **Unit(s): 3**
- EDSS 443A - Creating Effective Learning Communities: Field Settings **Unit(s): 4**
- EDSS 443B - Creating Effective Learning Communities: Seminar **Unit(s): 3**
- EDSS 444 - Curriculum, Instruction and Assessment **Unit(s): 1-4**
- EDSS 446 - Language and Literacy Development in Secondary Classrooms **Unit(s): 4**

Phase II

- EDSP 430 - Introduction to Special Education **Unit(s): 3**
- EDSS 458 - Student Teaching in Multicultural Settings **Unit(s): 12**
- EDSS 459 - Seminar for Secondary Student Teachers **Unit(s): 4**

Units

Total Prerequisite courses: 6 Total units Phase: I 17 Total units Phase: II 19 Total units for program (including Prerequisites): 42

Teaching Performance Assessment

A teaching performance assessment (TPA) is required for all those seeking a single subject teaching credential in California. EdTPA is the teaching performance assessment used by the SSU Single Subject Program. This assessment is comprised of a teaching event that is an extended documentation of a segment of student teaching. It is the capstone performance assessment that integrates learning throughout the teacher education program. It includes samples of teaching that are videotaped and analyzed by the student. It is structured in sections corresponding to developing a context for learners, planning, teaching, assessing, academic language, and reflecting on teaching. A subject matter expert scores the teaching event. The teaching event takes place in Phase II (student teaching) of the program. All students must pass the EdTPA to receive a teaching credential.

Single Subject Intern Program

Verification of employment. To be Awarded a Teaching Credential, all Interns Must: Pass the EdTPA to receive a teaching credential. Successfully complete the Single Subject Intern Program.

Education: Early Childhood Studies (ECS)

Department Office

Stevenson 1078

(707) 664 3115

fax: (707) 664 2483

web.sonoma.edu/education/ecs/

Department Chair

Chiara Bacigalupa

For faculty information, please see Faculty or the Early Childhood Studies faculty web page.

The Department of Early Childhood Studies offers a major in Early Childhood Studies, a minor in Early Childhood Studies and a Master of Arts in education with concentration in Early Childhood Education. Students may also use early childhood education courses to satisfy requirements for the Child Development Permit for teachers of California state-funded preschool and after-school programs.

Child Development Permit

The California Child Development Permit is issued by the California Commission on Teacher Credentialing (CCTC). The following SSU courses can be applied to the Permit. Please speak with an Early Childhood Studies advisor for more information about how to apply for the Child Development Permit.

Permit Course Work

Applicants for the Child Development Permit must complete 15 units of coursework from the following categories. Please see an Early Childhood advisor for more information.

Child Growth and Development

- EDEC 110 - Understanding Development: Birth through Adolescence **Unit(s): 3**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDEC 532 - Social-Moral Development in ECE **Unit(s): 3**
- EDEC 538 - Cognitive and Language Development in Early and Middle Childhood **Unit(s): 3**
- PSY 302 - Life Span Development **Unit(s): 3**
- PSY 410 - Child Development **Unit(s): 3-4**

Child, Family, and Community

- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDEC 450 - Empowerment and Equity for Children and Families **Unit(s): 3**
- PSY 418 - The Psychology of Family **Unit(s): 3-4**
- SOCI 345 - Sociology of Families **Unit(s): 4**

Early Childhood Programs/Curriculum

- EDEC 237 - Early Childhood Curriculum with Field Experience **Unit(s): 4**
- EDEC 437 - Integrated Curriculum with Field Experience **Unit(s): 4**

General Early Childhood Development

- EDEC 201 - Foundations of Early Care and Education **Unit(s): 4**
- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDEC 531 - The Role of Play in Development and Learning **Unit(s): 3**
- EDEC 535 - Lead Adv for Children and Families **Unit(s): 3**
- EDEC 490 - Special Topics in Early Childhood Studies **Unit(s): 1-4**
- EDSP 432 - Young Children with Special Needs **Unit(s): 4**
- PSY 411 - Child Psychopathology **Unit(s): 4**
- PSY 448 - Cognitive Development **Unit(s): 4**

Supervised Field Experience

- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 237 - Early Childhood Curriculum with Field Experience **Unit(s): 4**
- EDEC 437 - Integrated Curriculum with Field Experience **Unit(s): 4**

Early Childhood Education Certificate

This program is on hiatus and will not be offered in the 2020-21 academic year.

Designed for working professionals, the ECE Certificate is a 12-unit, one-year fully online program created to provide essential professional development for early childhood education providers and program directors, transitional kindergarten teachers, and early elementary teachers. The Certificate qualifies students for the Site Supervisor California Child Development Permit (and all levels below), as well as meets the new ECE requirements for transitional kindergarten teachers. (Please note: the Certificate does not qualify holders to teach in special education classrooms.)

This Summer-start, Special Sessions program is a partnership between the School of Education and the School of Extended & International Education (SEIE). As a self-support program, unique, separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, admission requirements, and student support services is available through SEIE. Academic criteria for the program are determined in accordance with all applicable SSU and CSU policies. Certificates are awarded by the School of Education.

Learning Outcomes

Students use advanced theory and research to develop teaching strategies and curriculum for existing work settings or in approved field sites. Students will

- Extend their understanding of children's characteristics and needs and the multiple interacting influences on children's development and learning
- Create environments that are healthy, respectful, supportive, and challenging for each child
- Recognize the importance of and complex characteristics of children's families and communities; foster respectful, reciprocal relationships that support and empower families and engage them in their children's development and learning
- Understand the goals, benefits, and uses of assessment; use effective assessment strategies in partnership with families and other professionals to positively influence the development of every child
- Design, implement, and evaluate a meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for every young child.

Requirements for Admission

Prospective students must have the following:

- A Bachelor's degree in any subject, completed no later than the Fall semester previous to admission;
- A GPA of at least 2.75 (B-) over the last 60 units;
- At least one 3-unit course on child development theory and milestones at a 3.0 (B) or better; and
- Regular access to high-speed internet service and webcam capability
- Ability to work in an online environment

Requirements for Certificate

All certificate courses must be completed with a C or better. Students who complete the ECE Certificate and who subsequently accepted into the SSU program leading to a Master's degree in Early Childhood Education may apply the Certificate courses EDEC 531, EDEC 532, and EDEC 538 towards partial fulfillment of the requirements for that program. *To be accepted for this purpose, these classes must be completed with a grade of B or better.* Please note there is a seven-year limit on coursework that can be counted for a Master's degree, so plan accordingly. Students wishing to use these units toward other Master's programs should consult with their target institution.

- EDEC 531 - The Role of Play in Development and Learning **Unit(s): 3**
- EDEC 532 - Social-Moral Development in ECE **Unit(s): 3**
- EDEC 538 - Cognitive and Language Development in Early and Middle Childhood **Unit(s): 3**
- EDEC 547 - Advanced Field Experience **Unit(s): 3**

Units

Total units needed for the Certificate: 12

Application and Contact Information

For application and contact information, please visit the website for the Early Childhood Education Online Certificate Program: <https://web.sonoma.edu/exed/ece-certificate/>.

Early Childhood Studies Integrated Teacher Education Program-Special Education

There is a critical need for special education teachers in California and across the nation. With the Early Childhood Studies Integrated Teacher Education program in Special Education (ECS ITEP-SE), you have the opportunity to complete a bachelor's degree in Early Childhood Studies and a credential in Special Education in one, intensive four-year program.

The ECS ITEP-SE program is offered by the Department of Early Childhood Studies and the Department of Educational Leadership and Special Education in the School of Education. The mission of the Early Childhood Studies department is to prepare knowledgeable and caring professionals who are committed to contributing to a just society through high-quality education and social services for all children and families. The mission of the Education Specialist credential programs is the advancement of excellence within the special education profession. Combined, these two departments offer you a strong foundation in developmental principles and the specific skills you need to support students with disabilities in achieving their goals.

Candidates in the ECS ITEP-SE concentration take all general education requirements and core courses in the ECS core curriculum. Students transferring from a community college with an AAT in Child Development will also be able to complete the degree and credential within four years. Students who change majors or transfer with a different major may still declare ECS ITEP-SE, but the program will take longer to complete.

During the Sophomore year, students interested in the ECS ITEP-SE must apply for admission to and meet all pre-requisites for the Preliminar Education Specialist Program. Credential courses are taken beginning in the Junior year.

Core Requirements (29 units)

- EDEC 178 - Introduction to ECS Major and Digital Portfolio **Unit(s): 1**
- EDEC 201 - Foundations of Early Care and Education **Unit(s): 4**
- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDEC 478 - ECS Senior Portfolio **Unit(s): 1**
- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDSP 432 - Young Children with Special Needs **Unit(s): 4**

Common Core for Education Specialists (28 units)

- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s):** 3-4
- EDSP 460 - Teaching Event Seminar **Unit(s):** 2
- EDSP 421A - Effective Practices that Support Students with Diverse Learning Needs **Unit(s):** 3
- EDSP 421B - Early Field Placement **Unit(s):** 1
- EDSP 421C - Using Educational and Assistive Technology **Unit(s):** 1
- EDSP 421D - Healthy Learners & School Environment **Unit(s):** 1
- EDSP 422A - Case Management and Transition Planning in Special Education **Unit(s):** 3
- EDSP 422B - Participant Observation/Fieldwork **Unit(s):** 1
- EDSP 423 - Assessment of Students with Disabilities **Unit(s):** 3
- EDSP 424 - Positive Behavior Supports for Students with Disabilities **Unit(s):** 3
- EDSS 446 - Language and Literacy Development in Secondary Classrooms **Unit(s):** 4

Electives (12-13 units)

From across the university and/or from ECS Major Electives.

Credential Specific Tracks (16-17 units)

Mild/Moderate Disabilities Track (16 units)

- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s):** 3-4
- EDSP 465 - Practicum: Mild/Moderate Disabilities **Unit(s):** 11
- EDSP 425 - Developing Academic Performance-Mild/Moderate **Unit(s):** 4

Moderate/Severe Disabilities Track (17 units)

- EDSP 426 - Communication Development: Assessment and Instruction **Unit(s):** 4
- EDSP 428 - Education of Students with Moderate/Severe Disabilities **Unit(s):** 4
- EDSP 467 - Practicum: Moderate/Severe Disability **Unit(s):** 11

Sample Four-Year Plan for Bachelor of Arts in Integrated Teacher Education Program in Special Education Concentration

Freshman Year: 33 Units

Fall Semester (16 units)

- UNIV 102 - First Year Experience **Unit(s):** 1-3
- GE Area A1
- GE Area A2
- GE Area B4 (Math)
- GE Area B
- GE Area D (American Institutions)

Spring Semester (17 units)

- EDEC 178 - Introduction to ECS Major and Digital Portfolio **Unit(s): 1**
- EDEC 110 - Understanding Development: Birth through Adolescence **Unit(s): 3**
- UNIV 102 - First Year Experience **Unit(s): 1-3**
- GE Area A3
GE Area B
GE Area C
- GE Area D (American Institutions)

Sophomore Year: 30 Units

Fall Semester (15 units)

- EDEC 201 - Foundations of Early Care and Education **Unit(s): 4**
- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4**
- GE Area C

Spring Semester (15 Units)

- EDEC 411 - Infant and Toddler Development **Unit(s): 3**
- EDEC 450 - Empowerment and Equity for Children and Families **Unit(s): 3**
- GE Area C
- GE Area D
- GE Area E

Junior Year: 36 Units

Fall Semester (17 Units)

- EDSP 432 - Young Children with Special Needs **Unit(s): 4**
- EDSP 430 - Introduction to Special Education **Unit(s): 3**
- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s): 3-4**
- EDSP 422A - Case Management and Transition Planning in Special Education **Unit(s): 3**
- EDSP 421B - Early Field Placement **Unit(s): 1**
- Upper Division GE Area D

Spring Semester (19 units)

- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDSP 421C - Using Educational and Assistive Technology **Unit(s): 1**
- EDSP 421D - Healthy Learners & School Environment **Unit(s): 1**

- EDSP 421A - Effective Practices that Support Students with Diverse Learning Needs **Unit(s):** 3
- EDSS 446 - Language and Literacy Development in Secondary Classrooms **Unit(s):** 4
- Upper division GE Area C (Ethnic Studies)
- University Elective

Senior Year: 35-36 Units

Fall Semester (18 Units)

- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s):** 4
- EDSP 422B - Participant Observation/Fieldwork **Unit(s):** 1
- EDSP 423 - Assessment of Students with Disabilities **Unit(s):** 3
- EDSP 424 - Positive Behavior Supports for Students with Disabilities **Unit(s):** 3
- EDSP 425 - Developing Academic Performance-Mild/Moderate **Unit(s):** 4 **OR**
- EDSP 426 - Communication Development: Assessment and Instruction **Unit(s):** 4
- Upper Division GE Area B

Spring Semester (17-18 Units)

- EDEC 478 - ECS Senior Portfolio **Unit(s):** 1
- EDSP 460 - Teaching Event Seminar **Unit(s):** 2
- EDSP 465 - Practicum: Mild/Moderate Disabilities **Unit(s):** 11 **OR** Credits / Units: 3
- EDSP 467 - Practicum: Moderate/Severe Disability **Unit(s):** 11
- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s):** 3-4
- EDSP 428 - Education of Students with Moderate/Severe Disabilities **Unit(s):** 4

Sample 2-Year Plan

This plan assumes transfer student completed an Associate Degree for Transfer in Early Childhood Education at a California Community College. If your community college program was different, you can still complete the ITEP-SE, but it will likely take additional time. Please consult with your advisor.

Junior Year: 36 Units

Fall Semester (17 Units)

- EDSP 430 - Introduction to Special Education **Unit(s):** 3
- EDSP 432 - Young Children with Special Needs **Unit(s):** 4
- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s):** 3-4
- EDSP 422A - Case Management and Transition Planning in Special Education **Unit(s):** 3
- EDSP 421B - Early Field Placement **Unit(s):** 1
- Upper Division GE Area D

Spring Semester (19 units)

- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDSP 421A - Effective Practices that Support Students with Diverse Learning Needs **Unit(s): 3**
- EDSP 421C - Using Educational and Assistive Technology **Unit(s): 1**
- EDSP 421D - Healthy Learners & School Environment **Unit(s): 1**
- EDSS 446 - Language and Literacy Development in Secondary Classrooms **Unit(s): 4**
- Upper Division GE Area D
- University Elective

Senior Year: 35-36 Units

Fall Semester (18 Units)

- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDSP 422B - Participant Observation/Fieldwork **Unit(s): 1**
- EDSP 423 - Assessment of Students with Disabilities **Unit(s): 3**
- EDSP 424 - Positive Behavior Supports for Students with Disabilities **Unit(s): 3**
- EDSP 425 - Developing Academic Performance-Mild/Moderate **Unit(s): 4 OR**
- EDSP 426 - Communication Development: Assessment and Instruction **Unit(s): 4**
- Upper Division GE Area B

Spring Semester (17-18 Units)

- EDEC 478 - ECS Senior Portfolio **Unit(s): 1**
- EDSP 460 - Teaching Event Seminar **Unit(s): 2**
- EDSP 465 - Practicum: Mild/Moderate Disabilities **Unit(s): 11 OR**
- EDSP 467 - Practicum: Moderate/Severe Disability **Unit(s): 11**
- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s): 3-4 OR**
- EDSP 428 - Education of Students with Moderate/Severe Disabilities **Unit(s): 4**

Early Childhood Studies, B.A.

The Bachelor of Arts Degree in Early Childhood Studies is designed to provide graduates with the knowledge, skills, and dispositions needed to work effectively with children in early childhood (birth to age 8). Students study multi-disciplinary theories, research, and best practices, with an emphasis on socio-cultural factors that affect learning and development. They learn how to use theories and research from anthropology, child development, education, health, psychology, sociology, and multicultural studies to promote the cognitive, social, emotional, and physical development of diverse young children. Students study the science of assessing children's growth and development, and they acquire skills in effectively communicating these findings to families and community partners. The program also prepares professionals to be leaders and advocates on behalf of all children and families.

Concentrations

When students declare a major in Early Childhood Studies, they must choose a concentration in either Early Childhood Education or Early Childhood Development.

Career Opportunities

Early Childhood Education

The Early Childhood Education concentration prepares students for a career in an early education setting, including:

- Infant, toddler, and preschool teacher
- Administrator of an early education program
- Support services in agencies that serve young children and families
- Elementary teacher (requires completion of a post-baccalaureate Multiple Subject credential program)
- Special Education teacher (requires completion of a post baccalaureate Special Education credential program)

Early Childhood Development

The Early Childhood Development concentration prepares students for a career working with young children and families in non-education settings. Students work with an advisor to prepare for a career in entry level positions in social services or for graduate school in counseling, social work, child life specialist, etc.

Degree Requirements

General Education	45-48
Lower Division	16-17
Upper Division	26-27
Electives	28-33

Admission Requirements

For admissions to the major, students must have a GPA of 2.5.

Goals of the Early Childhood Studies Major

The goals of the Early Childhood Studies major are aligned with the mission of the SSU School of Education and the mission of the Department of Early Childhood Studies. The Early Childhood program seeks to prepare graduates who:

1. Are agents of individual growth and social change as well as models and advocates of the broader intellectual and social values of a democratic society.
2. Are knowledgeable and thoughtful about the field of early childhood studies.
3. Promote physical, cognitive, linguistic, social, emotional, and moral growth and learning in their professional work with young children, as well as respecting and encouraging the contributions of families and caregivers in the care and education of children and youth.

4. Design and carry out inclusive practices that respect human differences and aim to include all children and families.
5. Continually use inquiry, observation, study, and reflection to improve their professional practices.

Student Learning Outcomes

Concentration 1: Early Childhood Education

SLO1: Students are knowledgeable about theories and research related to child development and growth, and they are able to effectively promote child development and learning.

SLO2: Students understand the components and importance of building family and community relationships in work with young children.

SLO3: Students understand the importance of and are able to observe, document, and assess the growth and development of young children; students are able to effectively communicate these findings to families.

SLO4: Students know how to use developmentally and culturally appropriate and effective approaches with young children, and they reflect upon professional practices.

SLO5: Students design, implement, and evaluate effective curriculum that aligns with state early learning standards for children in programs serving infants, toddlers, and preschoolers.

SLO6: Students see themselves as professionals and exhibit the following knowledge, skills, and dispositions: understanding and upholding ethical and professional standards; engaging in continuous, collaborative learning to inform practice; understanding where to find professional resources; integrating informed and critical perspectives into their work with young children; and engaging in informed advocacy for young children and their families.

SLO7: Students observe and practice their developing skills in different kinds of early childhood educational settings.

Concentration 2: Early Childhood Development

SLO1: Students are knowledgeable about theories and research related to child development and growth, and they are able to effectively promote practices that support optimal child development and health (including mental health).

SLO2: Students understand the components and importance of building family and community relationships in work with young children.

SLO3: Students understand the importance of and are able to observe, document, and assess the growth and development of young children; students are able to effectively communicate these findings to families.

SLO4: Students know how to use developmentally and culturally appropriate and effective approaches with young children, and they reflect upon professional practices.

SLO5: Students identify and evaluate effective practices in programs that promote and protect development and health of infants, toddlers, preschoolers, and children in the middle childhood years.

SLO6: Students see themselves as professionals and exhibit the following knowledge, skills, and dispositions: understanding and upholding ethical and professional standards; engaging in continuous, collaborative learning to inform practice; understanding where to find professional resources; integrating informed and critical perspectives into their work with young children; and engaging in informed advocacy for young children and their families.

SLO7: Students observe and practice their developing skills in different kinds of programs that support children and families.

Program Coursework

Major Core Requirements (both concentrations, 29 units)

- EDEC 178 - Introduction to ECS Major and Digital Portfolio **Unit(s): 1**
- EDEC 201 - Foundations of Early Care and Education **Unit(s): 4**
- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDSP 432 - Young Children with Special Needs **Unit(s): 4**
- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDEC 478 - ECS Senior Portfolio **Unit(s): 1**

Concentrations

- Early Childhood Education Concentration
- Child Development Concentration

Major Electives (both concentrations, 6 units)

Electives should be chosen in consultation with an advisor. Students intending to apply to the Multiple Subjects Credential program should choose EDMS 419 and EDUC 417 as electives.

- AMCS 339 - Ethnic Groups and American Social Policy **Unit(s): 3**
- AMCS 445 - Multi-Culturalism and Education **Unit(s): 4**
- CALS 403 - Chicano/Latino Youth and Adolescents **Unit(s): 3-4**
- CALS 405 - The Chicano/Latino Family **Unit(s): 3-4**
- CALS 450 - Chicano/Latino Children's Literature **Unit(s): 3-4**
- CALS 456 - Sociology of Education/Latinos and Education **Unit(s): 4**
- EDEC 405 - iPlay: Child Development in the Digital Age **Unit(s): 3**
- EDEC 406 - Positive Guidance **Unit(s): 3**
- EDEC 407 - Multicultural Children's Literature **Unit(s): 3**
- EDEC 408 - Science, Literacy, and Play: Exploring the Natural World with Young Children **Unit(s): 3**
- EDEC 409 - Play in Early Childhood **Unit(s): 3**

- EDEC 410 - Language Development **Unit(s): 3**
- EDEC 411 - Infant and Toddler Development **Unit(s): 3**
- EDEC 412 - Brain Development **Unit(s): 3**
- EDEC 490 - Special Topics in Early Childhood Studies **Unit(s): 1-4**
- EDMS 419 - Identity and Agency for Socially Just Classrooms and Communities **Unit(s): 3**
- EDSS 418 - Development in Adolescence and Emerging Adulthood **Unit(s): 3**
- EDUC 417 - School and Society **Unit(s): 3**
- KIN 400 - Elementary School Physical Education **Unit(s): 3**
- KIN 427 - Individuals with Disabilities in Educational and Recreational Settings **Unit(s): 3**
- PSY 409 - Social and Emotional Development **Unit(s): 4**
- PSY 411 - Child Psychopathology **Unit(s): 4**
- PSY 414 - Infant Development **Unit(s): 4**
- PSY 418 - The Psychology of Family **Unit(s): 3-4** (4 Credit(s) Required)
- PSY 431 - Introduction To Art Therapy **Unit(s): 4**
- PSY 448 - Cognitive Development **Unit(s): 4**
- SOCI 345 - Sociology of Families **Unit(s): 4**
- SOCI 445 - Sociology of Childhood and Adolescence **Unit(s): 4**

Sample Four -Year Program for Bachelor of Arts in Early Childhood Studies: Education Concentration

Freshman Year: 29 Units

Fall Semester (15 units)

GE Area A2 3 units
 GE Area A3 3 units
 GE Area B4 3 units
 American Institutions (GE Area D) 3 units
 GE Area E 3 units

Spring Semester (14 units)

GE Area C1 3 units
 GE Area B1 3 units
 GE Area A1 3 units
 EDEC 201 4 units
 EDEC 178 1 unit

Sophomore Year: 30 Units

Fall Semester (16 units)

American Institutions (GE Area D) 3 units
 EDEC 220 4 units

GE Area B2 3 units
University Elective 3 units
GE Area C2 3 units

Spring Semester (14 units)

EDEC 237 4 units
EDEC 270 4 units
GE Area C 3 units
GE Area D 3 units

Junior Year: 31 Units

Fall Semester (16 units)

EDEC 420 3 units
Upper Division GE-B 3 units
Major Elective 3 units
University Elective 3 units
University Elective 4 units

Spring Semester (15 units)

EDEC 435 4 units
EDEC 437 3 units
Upper Division GE-D 3 units
University Elective 3 units

Senior Year: 30 Units

Fall Semester (15 units)

EDEC 460 4 units
Upper Division GE-C 3 units
University Elective 4 units
EDSP 432 4 units

Spring Semester (15 units)

EDEC 478 1 unit
Major Elective 2 3 units
University Elective 3 units
University Elective 4 units
University Elective 4 units

Sample Four-Year Plan for Bachelor of Arts in Early Childhood Studies: Development Concentration

Freshman Year: 29 Units

Fall Semester (15 units)

GE Area A2 3 units
GE Area A3 3 units
GE Area B4 3 units
American Institutions (GE Area D) 3 units
GE Area E 3 units

Spring Semester (14 units)

GE Area C1 3 units
GE Area B1 3 units
GE Area A1 3 units
EDEC 201 4 units
EDEC 178 1 unit

Sophomore Year: 30 Units

Fall Semester (16 units)

American Institutions (GE Area D) 3 units
EDEC 220 4 units
GE Area B2 3 units
EDEC 247 3 units
GE Area C2 3 units

Spring Semester (14 units)

University Elective 4 units
EDEC 270 4 units
GE Area C 3 units
GE Area D 3 units

Junior Year: 31 Units

Fall Semester (16 units)

EDEC 420 3 units
Upper Division GE-B 3 units
Major Elective 3 units
University Elective 3 units
University Elective 4 units

Spring Semester (15 units)

EDEC 435 4 units
EDEC 447 3 units
EDEC 347 2 units
Upper Division GE-D 3 units
University Elective 3 units

Senior Year: 30 Units

Fall Semester (15 units)

EDEC 460 4 units
Upper Division GE-C 3 units
University Elective 4 units
EDSP 432 4 units

Spring Semester (15 units)

EDEC 478 1 unit
Major Elective 2 3 units
University Elective 3 units
University Elective 4 units
University Elective 4 units

Early Childhood Studies, Minor

The minor in Early Childhood Studies gives students from any major at Sonoma State University a concentration in the study of early childhood development and learning. This minor is useful for students interested in pursuing careers involving work with young children from birth through age eight in fields such as Education, Counseling, Social Work, Nursing, and others. For a minor in Early Childhood Studies, students must take five upper-division core courses in Early Childhood Education (19 units) and an additional six units of elective courses, for a total of 25 units. Complete information about the requirements for the minor and application packets may be found online at www.sonoma.edu/education/ecs/index.html

Program Course Work

The Early Childhood Studies Minor involves 25 units of coursework: 19 units of core courses and 6 units of electives.

Core Courses

- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 237 - Early Childhood Curriculum with Field Experience **Unit(s): 4**
- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDSP 432 - Young Children with Special Needs **Unit(s): 4**

Elective Courses

Choose two courses from:

Other elective courses may apply; please consult with an advisor.

- AMCS 339 - Ethnic Groups and American Social Policy **Unit(s): 3**
- AMCS 445 - Multi-Culturalism and Education **Unit(s): 4**
- CALS 405 - The Chicano/Latino Family **Unit(s): 3-4** (3 Unit(s) Required)
- CALS 450 - Chicano/Latino Children's Literature **Unit(s): 3-4** (3 Unit(s) Required)
- EDEC 201 - Foundations of Early Care and Education **Unit(s): 4**
- EDEC 247 - Physical Development and Health in Childhood **Unit(s): 3**
- EDEC 405 - iPlay: Child Development in the Digital Age **Unit(s): 3**
- EDEC 406 - Positive Guidance **Unit(s): 3**
- EDEC 407 - Multicultural Children's Literature **Unit(s): 3**
- EDEC 408 - Science, Literacy, and Play: Exploring the Natural World with Young Children **Unit(s): 3**
- EDEC 409 - Play in Early Childhood **Unit(s): 3**
- EDEC 410 - Language Development **Unit(s): 3**
- EDEC 411 - Infant and Toddler Development **Unit(s): 3**
- EDEC 412 - Brain Development **Unit(s): 3**
- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDEC 437 - Integrated Curriculum with Field Experience **Unit(s): 4**
- EDEC 447 - Children's Emotional Development and Mental Health **Unit(s): 3**
- EDEC 450 - Empowerment and Equity for Children and Families **Unit(s): 3**
- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDEC 490 - Special Topics in Early Childhood Studies **Unit(s): 1-4**
- EDMS 419 - Identity and Agency for Socially Just Classrooms and Communities **Unit(s): 3**
- EDUC 250 - Teaching in a Changing World **Unit(s): 3**
- EDUC 417 - School and Society **Unit(s): 3**
- KIN 400 - Elementary School Physical Education **Unit(s): 3**
- PSY 409 - Social and Emotional Development **Unit(s): 4**
- PSY 411 - Child Psychopathology **Unit(s): 4**
- PSY 418 - The Psychology of Family **Unit(s): 3-4** (3 Unit(s) Required)
- PSY 431 - Introduction To Art Therapy **Unit(s): 4**
- PSY 448 - Cognitive Development **Unit(s): 4**

- SOCI 345 - Sociology of Families **Unit(s): 4**
- SOCI 445 - Sociology of Childhood and Adolescence **Unit(s): 4**

Education: Educational Leadership and Special Education (ELSE)

Department Office
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 (707) 664-3115
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Department Chair
 Jennifer Mahdavi

For faculty information, please see Faculty or the Educational Leadership faculty web page.

Department Overview

The Department of Educational Leadership and Special Education exists to provide state-of-the-art professional preparation for educators in the fields of educational administration and special education. The core values of the department center upon a dedication to educational excellence as a pivotal contributor to social progress. Indices of this notion of excellence include a view of schools as a crucible for an effective democracy, societal inclusivity, respect for differences in students, and an unflinching concentration on educational efficacy.

The faculty is comprised of teachers, administrators, scholars, researchers, and program developers who possess wide and varied experience. The faculty, having won wide recognition and numerous educational awards and honors, are dedicated to preparing educators with the knowledge, skills, and ethical commitment to improve society through powerful and effective schools.

The credential and M.A. programs, described below, offer a full complement of courses and fieldwork for students to achieve a Preliminary and Clear Education Specialist in Special Education and the Preliminary Administrative Services Credentials. Masters of Arts degrees are also offered in conjunction with these programs. Both traditional and intern programs exist. Courses are scheduled in the late afternoon, evenings, on Saturdays, and some are partially delivered online, in order to accommodate practicing educators.

Students in the Department of Educational Leadership and Special Education may expect to encounter programs that present cutting-edge information and skills, delivered by an expert, committed faculty, and scheduled for maximum access. Moreover, students can expect to be afforded respect, dignity, and professionally courteous treatment and be asked to provide similar regard to faculty and to one another.

Note: Since some specific program requirements change periodically, both via mandates of the California Commission on Teacher Credentialing and University-based modifications, prospective students are advised to consult the School of Education's Credential Office for updates on program details and policy statements and to visit the education website.

The Education Specialist (special education) credentials are offered in the area of mild/moderate and moderate/severe disabilities and authorize the holder to provide services in K-22 inclusion programs, resource specialist program classes (RSP), special day classes (SDC), or other related fields, including work with adults with disabilities. At the completion of the educational specialist credential programs, candidates will have met the requirements to teach students who have autism or are English learners. The Clear credential may be earned at SSU in place of a Beginning Teacher Support and Assessment (BTSA) program.

The Credential Preliminary Administrative Service prepares graduates for positions of leadership in P-12 educational institutions. M.A. in education programs are designed with both full-time and part-time students in mind. Some master's degree programs may be taken concurrently with advanced credential programs. Note: Program requirements change periodically, and current information may not be available in this catalog. For more detailed information on credentials and other education programs, please see the University's special bulletins and the School of Education's current program brochures and policy statements or visit the education website.

Clear Education Specialist Credential

After a candidate has completed a Preliminary Education Specialist Credential, which permits employment as a special education teacher, he or she must complete a Professional Credential Program (Induction) within five years of the date of issuance of the Preliminary Credential. A single induction program will clear all preliminary education specialist credentials at one time (mild-moderate, moderate-severe.). Candidates may choose to complete Clear Induction through BTSA or a university based program.

A valid Preliminary Education Specialist Credential is a prerequisite to this program. However, holding a teaching position is not a requirement for entering an Induction program, nor for clearing a preliminary credential. Candidates will need field experience with students with disabilities to be able to complete induction requirements.

Candidates will be able to apply for the Clear Education Specialist Credential through the Credentials Office at the end of a one-year, 12 unit program.

The SSU Clear Induction program aligns with our Master's Degree in Education with an emphasis in Special Education.

Please note that our Clear Induction program admits candidates during the Fall term only.

Coursework for Clear Induction

Units

Total units for Clear Education Specialist Credential: 12

Electives

Each candidate will also take 6 units of coursework that reflect his or her own interests for professional development. A menu of options is offered to candidates to advance expertise and to become a more knowledgeable, reflective and effective special education teacher. These courses may not have been taken as part of a previous credential program. Additional options may be considered on an individual basis (e.g., independent study about transition programs). The Education Specialist Clear Credential Coordinator will advise and evaluate the menu of options in consultation with the beginning teacher and district support provider.

Candidates may also choose to complete a Non University Based Activity (NUBA) to complete a portion of the Induction Program (see description below).

Academic Focus

- EDSP 425 - Developing Academic Performance-Mild/Moderate **Unit(s): 4**
- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s): 3-4 (3 Unit(s) Required)**
- EDMS 475 - Teaching Science and Visual and Performing Arts in the Elementary School **Unit(s): 3-4 (3 Unit(s) Required)**
- EDMS 471 - Teaching Social Studies in the Elementary School **Unit(s): 4**
- EDSP 502 - Advanced Pedagogy in SPED **Unit(s): 3**

Special Education Focus

- EDSP 513 - Current and Emerging Research and Practice in Special Education **Unit(s): 3**
- EDSP 515 - Advanced Legal Issues in Special Education **Unit(s): 3**

Focus on English/Second Language Learners

- EDMS 411 - Teaching Second Language Learners **Unit(s): 3**
- EDTE 541 - Advanced Pedagogical Grammar **Unit(s): 3**

Focus on Teaching Students with Moderate to Severe Disabilities

- EDSP 426 - Communication Development: Assessment and Instruction **Unit(s): 4**
- EDSP 428 - Education of Students with Moderate/Severe Disabilities **Unit(s): 4**

Focus on Reading and Language Arts

- EDRL 521A - Language Development in First and Second Languages **Unit(s): 3**
- EDRL 521B - Reading and Language Arts in First and Second Languages **Unit(s): 3**
- EDRL 522 - Assessment and Teaching in Reading and Language Arts **Unit(s): 3**
- EDRL 524 - Literature and Literacy **Unit(s): 3**

Focus on Technology

- EDCT 552 - Educational Technology Praxis **Unit(s): 3**
- EDCT 557 - Project Management for Educational Technology **Unit(s): 3**

Focus on Early Childhood

- EDEC 532 - Social-Moral Development in ECE **Unit(s): 3**
- EDEC 538 - Cognitive and Language Development in Early and Middle Childhood **Unit(s): 3**

Non-University Activities

As part of our CCTC approved course of study, Clear Induction candidates may choose to waive specific course elements via approved Non University Based Activities.

Early Childhood Special Education Added Authorization

Authorized by the Commission on Teacher Credentialing, the Early Childhood Special Education Added Authorization (ECSE_AA) may be appended to a preliminary or Clear Education Specialist (Mild-Moderate or Moderate-Severe Specialization) Credential. The ECSE_AA prepares teachers to deliver high quality school or in-home services to young children with disabilities (birth-5) and to their families. The added authorization is designed to meet California requirements for teaching special education in early childhood settings.

Prerequisites

Candidate must be eligible for or hold a Preliminary or Clear Education Specialist (Mild-Moderate or Moderate-Severe specialization) Credential. A 3.0 GPA during the credential program is also required.

Required Courses (12 units total)

- EDSP 522A - Family Partnerships in Early Childhood Special Education **Unit(s): 3**
- EDSP 522B - Early Intervention Program Fieldwork **Unit(s): 1**
- EDSP 523A - Assessment and Instruction in Early Childhood Special Education **Unit(s): 1**
- EDSP 523B - Preschool Students with Disabilities Program Fieldwork **Unit(s): 1**

Education Specialist Intern Program

The Education Specialist Intern Program at Sonoma State University is a partnership with the North Coast School of Education's (NCSOE) Intern Support and Supervision program, a state approved university-based program. This program allows the intern to complete the requirements for a Preliminary Education Specialist (ES) credential concurrent with their first year or two in a paid special education teaching position. The program includes coursework at the university, university supervision in the K-age 22 classroom, a district support provider, and special support seminars provided by Intern Support and Supervision Program. Completion of an internship program results in the same credential as is earned through the traditional teacher preparation program.

To qualify for an internship program, an individual must:

- Be formally admitted to the university and the ES program;
- Possess a bachelor's degree;
- Satisfy the U.S. Constitution requirement;
- Have a job offer as a special education teacher;
- Successfully complete the Intern Application Evaluation which includes approval from the Special Education Program faculty and the School of Education Credential Analyst; and
- Meet Pre-Service Requirements.

The Intern Application Evaluation form verifies that these requirements have been met and is available online at www.sonoma.edu/education/else/preliminary-education/es-internship.html or in the School of Education.

Interns are bound by the same program requirements, policies and procedures as all ES candidates except for the student teaching requirement. Instead of student teaching in the final semester of the program, which is typical in the ES credential program, interns are provided with university supervision in their K- age 22 classrooms throughout their internship, typically ranging between two and three semesters. Supervision includes candidates attending the intern or PIP/STP seminar (EDSP 480 or EDSP 481) where they meet with their supervisor and other interns to discuss their classrooms while bridging theory and practice, gathering suggestions and support, and discussing topics that are applicable to their current teaching situations. (Note that EDSP 480, support for candidates on PIP or STP teaching permits are NOT intern teachers. Becoming an intern requires meeting additional requirements).

Because of the increased responsibilities that an internship demands, interns are not allowed to take more than 12 units each semester. This sometimes alters an ES candidate's original program plan, delaying completion of the credential program by one or two semesters. The intern credential is valid for up to two years, provided the intern continues to be enrolled in university classes and employed as a special education teacher. It is important that the intern completes both the university course work and all statutory requirements before the intern credential expires. Interns who do not hold a previous multiple or single subject credential must also pass the Reading Instruction Competence Assessment (RICA) as part of their statutory requirements.

Employment Verification

Employment must be verified by a letter of employment, on official letterhead from the employing school or district, verifying the date employment began, the type of assignment and location, and whether it is a full time or part time position (if it is part time the letter needs to specify the percentage of time you will be working).

Intern Application Interview

The Intern Coordinator conducts the intern application interview. The interview evaluates the candidate's academic achievement, progress, professional dispositions and responsibilities.

Please note: eligibility and admissions requirements to the Intern Program are subject to change. Please contact the Intern Advisor for current eligibility and admissions requirements.

Educational Leadership Program Administrative Service Credentials

The Administrative Services Credential program was designed collaboratively with school districts to prepare graduates for positions of leadership in P-12 educational settings. The Credential authorizes the holder to serve as a vice principal, principal, coordinator, program director, superintendent, or in other district or county level positions. The Intern Credential authorizes individuals to serve in administrative positions while completing the approved Preliminary program of study. Areas of competence addressed in each program are developmental and expand upon prior learning and experiences included in each level of preparation. Throughout all programs, participants progress from concrete applications of what is being studied to more advanced applications of theory into practice that call for the critique and redefinition of one's knowledge base. Likewise, throughout the programs, multiple learning opportunities including field experiences are provided that emphasize the acquisition of personal awareness and personal reflection about leadership.

Preliminary Administrative Services Credential

The Preliminary Administrative Services Credential program focuses on entry-level skills for effective administration with particular emphasis on the responsibilities of school site administrators. The program is 27 semester units and can be completed in one year of intensive study. The classes are offered on a cohort basis in late afternoons, evenings, and/or in periodic weekend class sessions (Friday evening and Saturday) spread throughout the semester.

Requirements for Admission for Preliminary Administrative Services Credential

1. General admission requirements for advanced credential programs (application, transcripts, etc.)
2. Verify five years of appropriate full-time experience on school or district letterhead (noting inclusive dates, level, and responsibilities) authorized by a teaching or services credential;
3. Secure favorable recommendations from two school administrators or other school leaders indicating possession of administrative and leadership potential;
4. Submit a Personal Statement of Interest (see application for criteria);
5. Submit evidence of successful passage of CBEST before or within the first semester of program course work;
6. Attend a program admissions interview and/or submit an application, including a statement of professional goals; and
7. Two copies of valid clear teaching or service credential.

Internship Program In Educational Administration

Candidates to be employed immediately may enter the program as an administrative intern at any point in the calendar year as long as there is a supporting educational agency request. Candidates enrolled as interns complete the same coursework as Preliminary Administrative Services Credential candidates; however, the fieldwork is modified to suit the needs of an intern.

PASC I/Intern Program Course of Study

The program is usually completed in two semesters; however, candidates can extend the time needed for program completion by meeting with an advisor and customizing the program to meet individual

needs. Typically candidates who do not have an M.A. go on to complete the M.A. in education with emphasis in education leadership.

- EDEL 580A - Introduction to Educational Leadership and School Management **Unit(s): 3**
- EDEL 580B - Advanced Educational Leadership and School Management **Unit(s): 3**
- EDEL 581 - Management of Educational Personnel: Policies and Procedures **Unit(s): 3**
- EDEL 582 - Educational Policy and Politics **Unit(s): 3**
- EDEL 583 - School Law **Unit(s): 4**
- EDEL 588 - Curricular Leadership: Learning and Assessment **Unit(s): 4**
- EDEL 589 - Leadership for Diverse Populations and Communities **Unit(s): 2**
- EDEL 587A - Beginning Field Experience in Administration **Unit(s): 3**
- EDEL 587B - Advanced Field Experience in Administration **Unit(s): 3**
- EDEL 584A Current Issues in School Leadership **Unit(s): 1**

Units

Total units for Preliminary/Intern programs: 29

Preliminary Education Specialist Credential in Mild/Moderate or Moderate/Severe Disabilities

A Preliminary Education Specialist Credential Program is offered in the areas of mild/moderate (M/M) disabilities and moderate/severe (M/S) disabilities, authorizing the provision of services to individuals in grades K- age 22 in inclusion programs, resource specialist program (RSP) settings, special day class (SDC), and working with adults. The credential in M/M disabilities authorizes the teaching of individuals with specific learning disabilities, intellectual disability, other health impairment, autism, and serious emotional disturbance. The credential in M/S disabilities authorizes the teaching of individuals with autism, intellectual disability, deaf-blindness, serious emotional disturbance, and multiple disabilities.

A multiple subject or single subject credential is not required as a prerequisite for admission to a credential program in special education. The Preliminary Education Specialist Credential Program in M/M disabilities and in M/S disabilities includes specified course work in multiple or single subject teacher education for those Education Specialist Credential candidates who do not hold a multiple subject or single subject credential.

Successful completion of the Preliminary Education Specialist Credential Program in mild/moderate disabilities or in moderate/severe disabilities will allow the candidate to receive a preliminary credential, which authorizes the individual to seek employment as a special educator. The Preliminary Education Specialist Credential holder must clear the credential through a Clear Induction program.

Education Specialist Course Requirements

Corequisites (3 semester units):

- EDSP 430 - Introduction to Special Education **Unit(s): 3**

General Teacher Education Coursework (7 semester units):

- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s):** 3-4
- EDSS 446 - Language and Literacy Development in Secondary Classrooms **Unit(s):** 4

Common Core For Education Specialists (15 semester units):

- EDSP 421A - Effective Practices that Support Students with Diverse Learning Needs **Unit(s):** 3
- EDSP 421B - Early Field Placement **Unit(s):** 1
- EDSP 421C - Using Educational and Assistive Technology **Unit(s):** 1
- EDSP 421D - Healthy Learners & School Environment **Unit(s):** 1
- EDSP 422A - Case Management and Transition Planning in Special Education **Unit(s):** 3
- EDSP 422B - Participant Observation/Fieldwork **Unit(s):** 1
- EDSP 423 - Assessment of Students with Disabilities **Unit(s):** 3
- EDSP 424 - Positive Behavior Supports for Students with Disabilities **Unit(s):** 3

Credential-Specific Curriculum (7-9 semester units):

Mild/Moderate Disabilities

- EDSP 425 - Developing Academic Performance-Mild/Moderate **Unit(s):** 4
- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s):** 3-4

Moderate/Severe Disabilities

- EDSP 428 - Education of Students with Moderate/Severe Disabilities **Unit(s):** 4
- EDSP 426 - Communication Development: Assessment and Instruction **Unit(s):** 4

Student Teaching (13 semester units)**:

** Taking more than 5 additional units of coursework while enrolled in student teaching and the associated seminar requires prior approval of the department.

- EDSP 460 - Teaching Event Seminar **Unit(s):** 2
- EDSP 465 - Practicum: Mild/Moderate Disabilities **Unit(s):** 11
- EDSP 467 - Practicum: Moderate/Severe Disability **Unit(s):** 11

Education: Literacy Studies and Elementary Education (LSEE)

Department Office
Stevenson 1078
(707) 664-4203

fax: (707) 664 2483
web.sonoma.edu/education/lsee

Department Chair
Paula Lane

For faculty information, please see Faculty or the Literacy Studies faculty web page.

Programs Offered

- California Multiple Subject Teaching Credential (Basic generalist teaching authorization typical for elementary teachers, though also appropriate for middle and high school teachers working in self-contained classrooms, teaching most or all subjects)
- California Reading and Literacy Added Authorization (Tier 1 advanced authorization for teachers pursuing roles working with students who experience difficulties with reading, supporting classroom teachers, and assessing and monitoring student progress)
- Master of Arts in Education with an Emphasis in Reading and Language Education

The Department of Literacy Studies and Elementary Education is committed to meeting the needs of California students in Transitional Kindergarten through upper elementary and beyond through its work with prospective and in-service teachers. Our Multiple Subject Credential Program offers a robust professional preparation for initial licensure. Our Reading Program, grounded in both theory and practice, is designed to meet the needs of teachers at all levels interested in advanced studies in literacy education. Upon completing our practice-based programs, our teacher candidates and teachers will have both breadth and depth of knowledge about teaching and learning and will be capable of making informed decisions in diverse settings.

The University and school districts within our service area view teacher education as a shared responsibility. The diversity of California's school population including culture, social class, gender, language, and race is a significant focus of our coursework and field experiences. Through coursework, the University provides opportunities to study and investigate sound, research-based approaches to teaching, learning, assessment, and curriculum while our school partners provide the classrooms for field experiences including student teaching. Collaboration between University-based teacher educators and school district teachers provides a strong foundation for the programmatic goal of excellence in the service of California's students.

Note: Program requirements change periodically, and current information may not be available in this catalog. For more detailed information on credentials and other education programs please see the University's special bulletins and the School of Education's current program brochures and policy statements, or visit the Education website.

The Department of Literacy Studies and Elementary Education offers two graduate programs to support in-depth exploration of language development, literacy learning, and teaching. The programs feature hands-on experiences that are immediately applicable in the classroom. Many of our students earn an added state license and a master's degree simultaneously.

The Reading and Language Program is dedicated to excellence in the preparation of teachers and the on-going professional development of practicing teachers in the areas of bilingual education, and reading and language arts education. Our programs are based on sound educational practice, current research knowledge, sensitivity to the needs of TK-12 education, appreciation for diversity, and respect for all learners.

M.A. in Education programs are designed with both full-time and part-time students in mind. Our master's degree programs may be taken concurrently with advanced credential programs.

The Department of Literacy Studies and Elementary Education offers graduate programs in reading and literacy including the Master's degree with an emphasis in reading and literacy; and the Reading and Literacy Added Authorization (RLAA). Many students earn a state license and a master's degree simultaneously. These programs may be taken individually or candidates may complete the M.A. degree program and the RLAA simultaneously.

California Multiple Subject Teaching Credential

California Multiple Subject Teaching Credential (Basic generalist teaching authorization typical for elementary teachers, though also appropriate for middle and high school teachers working in self-contained classrooms, teaching most or all subjects). This credential authorizes the holder to teach in a self-contained classroom, TK through grade 12 plus adults. It is most frequently used for teaching in elementary classrooms and early childhood settings. The Multiple Subject Credential Program is a two or three semester program with additional prerequisites required.

The Multiple Subject Program is based on the belief that learning to teach requires building a professional knowledge base honed by practice in varied classroom settings. Thus, our curriculum integrates course work with field study in order to develop practical theory and to promote collaboration between the University and the public schools.

The Multiple Subject emphasis prepares candidates to teach in self-contained classrooms with significant populations of students who are learning English as a second language in grades TK-12. This program prepares candidates to provide instruction for language development and subject matter content in English. Because self-contained classes are located primarily in elementary schools, professional course work and field experiences focus on elementary classrooms.

Multiple Subject Program Courses

The Department of Literacy Studies and Elementary Education, provides professional preparation for aspiring teachers in California public schools. The design of Sonoma State University's Multiple Subject Professional Teacher Preparation Program is based on models of learning, human development, and interaction supported by current policy, research, and practice. The program is developmental and sequential.

Prerequisites and Corequisite

The prerequisites are offered every semester and must be taken prior to admissions unless student is in a preapproved SSU undergraduate program.

- EDUC 417 - School and Society **Unit(s): 3**
- EDMS 419 - Identity and Agency for Socially Just Classrooms and Communities **Unit(s): 3**

Phase I

All Phase 1 courses require admission to the Multiple Subject Program or Special Education Program, or special permission for pursuit of MA or additional teaching credential *Note EDMS 463, EDMS 474, and EDMS 475 are variable unit courses to accommodate candidates in other credential programs.

Multiple Subject credential candidates (only) in blended or integrated program may register for EDMS 475 for 3 units according to their program requirements. All Multiple Subject Candidates must register for EDMS 463 and EDMS 474 for 4 units.

- EDMS 476S - Multiple Subject Credential Phase 1 Seminar **Unit(s): 2**
- EDMS 474 - Teaching Mathematics in the Elementary School **Unit(s): 3-4**
- EDMS 475 - Teaching Science and Visual and Performing Arts in the Elementary School **Unit(s): 3-4**
- EDSP 430 - Introduction to Special Education **Unit(s): 3**
- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s): 3-4**
- EDMS 464 - Teaching Language and Literacy in the Elementary School Grades 3-6 **Unit(s): 4**
- EDMS 482P - Part-Time Student Teaching **Unit(s): 3**

Phase II

*Note: EDMS 463 is a variable unit course to accommodate candidates in other credential programs. All Multiple Subject Candidates must register for EDMS 463 for 4 units.

- EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2 **Unit(s): 3-4**
- EDMS 464 - Teaching Language and Literacy in the Elementary School Grades 3-6 **Unit(s): 4**
- EDMS 471 - Teaching Social Studies in the Elementary School **Unit(s): 4**
- EDMS 482F - Full-Time Student Teaching **Unit(s): 10**
- EDMS 482S - Student Teaching Seminar **Unit(s): 2**

Field Experiences in the Multiple Subject Program

The primary goal of the Multiple Subject Program is to prepare candidates to teach successfully in California's public schools. This requires both a theoretical basis for teaching and learning and a practical understanding of children, classrooms, curriculum, schools, and the society in which they all operate. For this reason, all of the curriculum courses have been designed to include significant field experiences in schools. In each phase, field experiences are coordinated with one or more academic courses to help establish the relationships between the theories and practices learned at the University and the realities of classroom life. Involvement in the schools culminates in full-time student teaching during the last phase of the credential program.

Collaboration for Renewal of Education (CORE): Professional Development Through Teacher Preparation

Our model of teacher preparation, Collaboration for the Renewal of Education (CORE), goes beyond that of a traditional student teaching placement. CORE has grown out of a rich history with roots in the clinical observation, peer coaching, and team models of professional development. CORE draws from this background and incorporates the best characteristics from these models. CORE is purposely structured to give equal voice to all participants, to honor all participants as lifelong learners, and to view all stake holders as co-teachers. The model attempts to breakdown the stereotypes of the ivory tower and to bridge the gap between public school and university educators. Simply stated, everyone is an expert in areas of strength and everyone has something to learn. The Multiple Subject Program has developed a flexible organization for teacher preparation that acknowledges the contribution made to candidates' teacher preparation by public school teachers and administrators. The program purposefully builds in time to meet with mentors at the CORE site, to hear what they are thinking, to implement their ideas into the program, and to learn together. Note, It is not typical for university faculty to commit to spending one day a week in a public school for the purpose of supervising student teachers. That the LSEE faculty eagerly participates in this experience is evidence of the value placed on this aspect of the Multiple Subject Program.

CORE School Sites

The LSEE department has developed a variety of CORE sites in the SSU service area. CORE sites are established in Sonoma County (e.g., Cotati/Rohnert Park, Petaluma, Santa Rosa, Penngrove, Sebastopol, Sonoma), and Marin County (Novato).

Overview of Field Experiences

There are two components of supervised fieldwork in Sonoma State University's Multiple Subject Credential Program, occurring in the first and second phases. These field experiences take place in a school that has been selected as a University/Public School CORE Collaboration Site. During these field experiences, the credential candidates are supervised by both a University faculty member and a mentor teacher who has met specific criteria for selection and who meets with University faculty regularly each semester. Those who opt to complete the program in more than two semesters, the FLEX students, will complete these supervised classroom experiences during their last two semesters. During the two semesters that candidates are placed at a CORE site, they are expected to experience the full range of teaching that one is likely to meet as a salaried teacher: candidates are expected to teach connected reading and language arts lessons, connected hands-on math and science lessons, and culturally relevant multicultural social studies lessons. Candidates are expected to have experience working with individual students, small groups, and whole class instruction. Candidates are expected to prepare curriculum plans that reflect an understanding of first and second language learners' needs and demonstrate sound methodologies and strategies. Candidates are expected to design and carry out curriculum for all learners including those with special needs such as special education students and the students who are gifted, or those who are progressing at a higher rate than is typical. Candidates are

expected to use the methodologies, curriculum, and strategies that introduce thematic teaching to help students make connections across subject areas. Candidates are expected to contribute to the building of community in the classroom and their curriculum should reflect sound multicultural principles.

Teaching Performance Assessment

A teaching performance assessment (CalTPA) is required for all those seeking a multiple subject teaching credential. This assessment is comprised of a teaching event that is an extended documentation of a segment of student teaching. It is the capstone performance assessment that integrates learning throughout the teacher education program. It includes lessons that are video-recorded and analyzed by the student teacher. It is structured in sections that focus on contexts for learning, students as learners, planning, teaching, assessing, academic language, and reflecting on teaching. A subject matter expert scores the two cycles. The submissions are supported in Phase 2 of the program. All students must pass their CalTPA to be recommended for a teaching credential.

Education with an Emphasis in Reading and Language, M.A.

(Note: This program is currently in a workflow for discontinuance.)

- Master of Arts in Education with an emphasis in Reading and Language Education

The Reading and Language concentration is designed to prepare teachers for specialized teaching of reading and language arts and for curriculum and instructional leadership in the field of language and literacy. Required course work focuses on the nature of literacy development and the improvement of classroom curriculum, and methods that emphasize the relationship of reading to other language and concept learning. Teachers, administrators, and curriculum specialists in all areas are encouraged to take elective courses in the graduate program to increase their knowledge of literacy.

Program Coursework (30-36 units)

Reading/Literacy Core Courses (9 units)

- EDTE 542 - Teaching Multilingual Writers **Unit(s): 3**
- EDRL 521A - Language Development in First and Second Languages **Unit(s): 3**
- EDRL 522 - Assessment and Teaching in Reading and Language Arts **Unit(s): 3**

Education Core Courses (9-12 units)

- EDUC 570 - The Reflective Educator **Unit(s): 3**
- EDUC 571 - Research Paradigms in Education **Unit(s): 3**

Supporting Course Work (9 Units)

School of Extended and International Education

Robert Eyler, Ph.D., Dean and Senior International Officer
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The mission of the School of Extended and International Education (SEIE) is to support and complement the overarching institutional goals of Sonoma State University. The rapidly-changing educational needs of lifelong learners have focused the mission of Extended Education on these critical elements of SSU's future: the development of sustainable infrastructure and an inventory of relevant programs that serve and support the needs of the diverse SSU student population; the enhancement of collaborative relationships with local communities, the surrounding region and around the world to foster educational, social, cultural, and economic development; expanding SSU's participation in the international sphere; and the generation of revenue sources to support the academic partners of (SEIE) and help mitigate the impacts of reduced state funding for higher education.

Professional Certificate Programs

Audio & Recording Production Certificate
Compassion Cultivation Training
Conflict Management Certificate
Construction Management Certificate
Human Resource Management Certificate
Maker Educator Certificate
Nursing Transition into Practice (on hiatus)
Family Nurse Practitioner, Post-Master's Certificate
Social Media Marketing Certificate
Project Management Certificate
Online Certificate in Wine Business Management
Online Program in Wine Sales Management
Certificate in Wine Entrepreneurship

Special Programs

EXCEL: a unique summer enrichment program for young people in grades 4-9, offering a variety of academic, technical, and creative classes to augment traditional offerings during the school year.

Osher Lifelong Learning Institute (OLLI): a program of intellectually stimulating courses taught by distinguished emeritus faculty and regional experts for people ages 50 or older.

Sonoma State American Language Institute (SSALI): an intensive English Language program that prepares international students and foreign residents for successful academic study and careers.

Semester at Sonoma: a program that allows international students to study at SSU for one or two semesters using an F-1 visa. Students may take undergraduate or graduate courses and earn credits to transfer towards their home university degree.

Wine Business Institute: a series of professional development short courses pertaining to the wine industry under the auspices of the Wine Business Program in the School of Business and Economics.

Contract Credit: contract credit may be earned for professional development programs; and conferences offered by an organization that meet specific university guidelines.

Online Career Training Certificates and Courses: online self-paced, non-credit courses to enhance professional, technical, or personal development.

Degree Programs

Liberal Studies (Saturday Degree Completion), B.A. : A hybrid seminar-style degree completion program designed for working adults based at the Sonoma State University campus.

Liberal Studies (Ukiah, Napa, Solano) B.A. : A degree completion program for the adult re-entry student based at Napa Valley College.

Liberal Studies (Ukiah, Napa, Solano) B.A. : A degree completion program for the adult re-entry student based at the Vallejo Center of Solano Community College.

Business Administration at the College of Marin: A degree program with a concentration in Management designed for working adults based at College of Marin.

Film Studies, M.A.

Organization Development, M.A. : A graduate degree for working professionals to create more effective human systems and organizational structures to successfully lead business and community.

Psychology, Depth Psychology Emphasis, M.A.

Spanish, M.A. : A graduate program in Spanish language, literatures, and cultures offered over three summers based at Sonoma State University.

Computer and Engineering Science, M.S. : A Professional Science Master's program built on a strong foundation of advanced coursework in Physics, Mathematics, Computer Science, and Electrical Engineering.

Executive Master of Business Administration, MBA : An internationally accredited cohort-style executive program focused on developing strategic decision-making and communication skills designed for the seasoned business leader.

Family Nurse Practitioner, Post-Master's Certificate : A two-year intensive program features hybrid classes and a clinical practicum that meet all criteria for national certification as a Family Nurse Practitioner.

Continuing Education for the Professions

Coursework is offered each semester that fulfills continuing education requirements for counselors, social workers, nurses, and attorneys.

Summer Session

Summer Session offers University credit coursework that counts toward graduation.

Winter Intersession

Intensive courses during the break between semesters that count towards graduation.

Open University

Through Open University, students may enroll without formal admission in state-support courses offered at the University. Students are encouraged whenever possible to apply for acceptance into the state support program, but Open University may be available to those for whom such enrollment is not possible or appropriate, such as:

- High school juniors and seniors;
- Professionals seeking to upgrade skills, maintain licenses, or make career changes;
- Those with personal interest in a particular subject who have no degree objective; and
- Those interested in exploring college coursework before committing themselves to a degree program.

Per-unit registration fees are the same for in-state and out-of-state residents. Up to 24 units of academic credit taken through Open University may be applied toward a bachelor's degree, and up to 9 units may be applied toward a master's degree at the discretion of the program.

See Open University for registration information.

Nursing Transition into Practice

Business Administration with a Concentration in Management, B.S. (College of Marin)

Sonoma State University partners with College of Marin, via the Schools of Business and Economics and Extended & International Education, to provide a pathway for students to earn a B.S. in Business Administration with a concentration in Management.

Courses are taught by SSU faculty, scheduled evenings and Saturdays on the Kentfield campus of the College of Marin. The program is accredited by the Association to Advance Collegiate Schools of Business (AACSB) and is designed specifically for students with work, family or other commitments who are not able to join traditional Business degree programs on the main SSU campus in Rohnert Park.

The total program to be offered at the College of Marin Kentfield Campus consists of 57 units: 48 in the major plus 9 units of upper-division general education. Time to completion depends on many factors; advising will be available before and during the program to develop individual completion plans.

- remaining lower-division general education
- remaining electives
- how many units can comfortably be taken in a semester, depending on individual work and family commitments
- whether a student is able to take Summer or Winter Intersession courses at Sonoma State

The program is designed to be completed in two years at 12 units per semester if a student has 60 units at transfer, has completed all lower-division GE and is able to take Summer/Winter Intersession. We estimate that part-time students taking 8 units per semester will take about three years to finish their requirements.

Upper Division Business Administration Core Courses

All Business Administration students must complete the following seven upper-division core courses:

- BUS 316 - Operations and Supply Chain Management **Unit(s): 4**
- BUS 319 - Introduction to MIS **Unit(s): 4**
- BUS 320 - Business Data Analysis and Interpretation **Unit(s): 4**
- BUS 360 - Introduction to Marketing **Unit(s): 4**
- BUS 370 - Introduction to Managerial Finance **Unit(s): 4**
- BUS 344 - Organizational Behavior **Unit(s): 4**
- BUS 491 - Seminar in Management Strategy and Policy **Unit(s): 4**

Management Concentration Core Classes

In addition to the general Business Administration Core classes above, students must complete the following coursework in the Management concentration. The core Management classes are:

- BUS 340 - Survey of Human Resource Management **Unit(s): 4**
- BUS 350 - Management **Unit(s): 4**
- BUS 452 - Leadership **Unit(s): 4**

Management Concentration Elective Classes

Program faculty will select two additional courses from the following list to complete the Concentration:

- BUS 391 - Cross-cultural Communication and Negotiation **Unit(s): 4**
- BUS 393 - Introduction to International Business **Unit(s): 4**
- BUS 446 - Government Regulation and Human Resources **Unit(s): 4**
- BUS 451 - Entrepreneurship / Small Business Management **Unit(s): 4**
- BUS 453 - Small Business Analysis **Unit(s): 4**

Internships

After students have completed two Management Concentration courses, students may substitute an Internship (BUS 499MG) for one of the Concentration Elective courses. See the [School of Business & Economics Internship website](#) for details.

- Internships must be paid.
- Internships must be completed in the semester of registration. No retroactive Internships will be approved.
- Each Internship should represent about 180 hours of hands-on experience (12 hours/week).
- Existing jobs do not qualify; you must work in a different department or a different organization.
- To locate internship opportunities, you may search the School of Business and Economics Internship Program site above, or you can visit the [SSU Career Services](#) site.
- Students cannot register for BUS 499MG online; they require prior approval from the SBE Internship Director, [Dr. Kyuho Lee](#).

- Your approved Internship Agreement form must be submitted to SEIE along with a paper registration form, no later than the deadline specified for Special Studies each semester.

Upper Division General Education

Students who have reached upper-division standing (60 or more CSU-transferable semester units) are required to take 9 units of upper-division general education coursework across two categories of the Sonoma State GE pattern, as described in the Sonoma State catalog. Courses fulfilling this requirement will either be included as part of the class selection available in Fall and Spring semesters, or students will be pointed to convenient opportunities, such as online courses offered in Summer or Winter Intersession.

Graduation Writing Assessment Requirement (GWAR)

The Graduation Writing Assessment Requirement is intended to ensure that all students graduating from a California State University have acquired the writing skills necessary for competent written communication. At Sonoma State University, there are two ways students may complete the GWAR: either by passing a Writing Intensive Course (WIC), or by passing the Written English Proficiency Test (WEPT). When possible, Writing Intensive Courses will be chosen for upper-division general education course offerings in the program. Alternatively, the College of Marin [Assessment & Testing Center](#) may proctor the WEPT.

Family Nurse Practitioner, Post-Master's Certificate

The certificate option is a 36-unit course of study designed for registered nurses who hold a master's degree in nursing who wish to become family nurse practitioners. The application process for the program, is through CalState Apply.

Curriculum Plan

Family Nurse Practitioner Post Master's Certificate

Year 1: 21 Units

Fall Semester (11 Units)

- NURS 501 - Health Promotion: Righting Disparities **Unit(s): 4**
- NURS 509 - Advanced Health Assessment **Unit(s): 4**
- NURS 549 - Health Promotion Practice in Primary Care **Unit(s): 3**

Spring Semester (10 Units)

- NURS 540A - Pathophysiological Concepts in Primary Care I **Unit(s): 3**

- NURS 550A - Clinical Practice in Primary Care I **Unit(s): 4**
- NURS 552 - Pharmacology in Primary Care **Unit(s): 3**

Year 2: 15 Units

Fall Semester (7 Units)

- NURS 540B - Pathophysiologic Concepts in Primary Care II **Unit(s): 3**
- NURS 550B - Clinical Practice in Primary Care II **Unit(s): 4**

Spring Semester (8 Units)

- NURS 550C - Clinical Practice in Primary Care III **Unit(s): 4**
- NURS 562 - Advanced Practice in Primary Care Systems **Unit(s): 4**

Total Units: 36

Liberal Studies (College of Marin) B.A.

Sonoma State University offers an upper-division program at Napa Valley College and Solano Community College, Vallejo Center leading to a Bachelor of Arts in Liberal Studies. The program offers a wide variety of courses from the social sciences, humanities, and natural sciences. Courses taught by SSU faculty are scheduled evenings, weekends, and online for the working student.

The major consists of 50 units of coursework in a variety of disciplines, organized into three broad areas.

For students beginning the program in Fall 2019, this is how the courses fit into the Core Areas:

- Arts/Humanities: 15 units
- Social Sciences: 15 units
- Natural Sciences: 6 units
- Culminating Portfolio: 4 units
- Electives: 10 units

Up to 6 units of Internship can be included as Electives. Upper-division work at other colleges can be considered for electives in the Major.

Requirements for the Major

- SSCI 300 - Introduction to Portfolio Development and Special Project **Unit(s): 1**
- SSCI 400 - Portfolio Evaluation **Unit(s): 3**

Units

Total units in the major: 50

Sample Four-Year Program

Liberal Studies Ukiah, B.A.

Junior Year: 25 Units

Fall Semester (12 Units)

- Natural Science (3)
- Behavioral Science (3)
- Humanities (3)
- Major Elective (3)

Spring Semester (13 Units)

- Natural Science (3)
- Humanities (3)
- Behavioral Science (3)
- Major Elective (4)

Senior Year: 25 Units

Fall Semester (13 Units)

- Behavioral Science
- Humanities
- Behavioral Science
- SSCI 300 - Introduction to Portfolio Development and Special Project **Unit(s):**
1
- SSCI 400 - Portfolio Evaluation **Unit(s):** 3

Spring Semester (12 Units)

- Behavioral Science (3)
- Humanities (3)
- Humanities (3)

Total Units: 120

** Major coursework must include at least 9 units of upper division GE courses, taken from at least two different GE areas.*

Organization Development, M.A.

Program Overview

The M.A. in Organization Development (MAOD) prepares students to create more effective human systems, and to gain the practical skills, conceptual knowledge, and field-tested experience to successfully lead business and community improvement efforts.

This program is designed to accommodate the working professional: mid-career individuals preparing to become leaders and specialists in organizational change, process improvement, and human systems redesign. It is appropriate both for senior leaders seeking to become more effective in their work, and anyone who would benefit from greater personal and professional effectiveness in their life and work.

Program Learning Outcomes

The MA Program in Organization Development provides professional preparation for mid-career individuals interested in understanding and developing more effective and sane organizations. In four semesters, participants explore concepts of leadership and self-development, group dynamics, organizational culture, systemic change. Practical skills, conceptual knowledge, and field-tested experiences successfully leading to organization improvement efforts are at the heart of the program.

The program focus and format are based on the awareness that our increasingly turbulent business, technology, and socio-economic environments are creating serious challenges for most organizations. To respond appropriately to these challenges, organizations must become more cost-effective, innovative, resourceful, and adaptive. This calls for leaders and specialists who have a new set of skills.

Units

Total Units in Major: 40

Requirements for the Major

The MAOD is a cohort-based program consisting of 40 units taken over two academic years. Classes are held on Monday and Wednesday evenings and some Saturdays. Students will participate in seminar discussions, skill-building activities, and extensive field projects under the guidance and supervision of experienced faculty. Completion of a practicum and the development and completion of a Master's Culminating Project are also required.

Students are required to complete their first and second semesters in immediate succession with a GPA of 3.0.

Career Opportunities

MAOD graduates work as internal OD and HR professionals, or as external OD consultants. Graduates are enabled to lead their organizations as more effective change agents.

Application to Program

The criteria for acceptance into the MA Organization Development program are:

- A four-year B.A. or B.S. degree from a regionally-accredited institution, awarded no later than the Spring semester or quarter before enrollment.
- A grade point average of at least 3.0 (B) over the most recent 60 semester (90 quarter) units of coursework.
- Experience in organizations: Foundational knowledge of issues and concepts encountered in business and human behavior, as learned from first-hand experience.
- Academic grounding in both business and psychology, as demonstrated by successfully completed graduate or undergraduate coursework and/or degrees previously awarded. On a case-by-case basis, this requirement may be fulfilled by a directed reading assignment during the summer, enrollment in pre-requisite coursework, or in other ways. Applicants are encouraged to consult with the MAOD directors about what might be appropriate for them.
- An acceptable level of competence in oral and written communication. This will be demonstrated by: (a) A written statement about the student's background, relevant work experience, and specific goals to be achieved from the program; (b) Individual and group interviews during the admissions process; and (c) A recent example of the applicant's academic or professional writing.

Courses

- OD 513 - Facilitation and Training **Unit(s):** 3-4
- OD 514 - Organization and Team Development **Unit(s):** 3-4
- OD 518A - Advanced Intervention Methods in Organization Development **Unit(s):** 2
- OD 518B - Advanced Intervention Methods in Organization Development **Unit(s):** 2
- OD 533A - Interpersonal Dynamics in Organization Development **Unit(s):** 1-3
- OD 533B - Interpersonal Dynamics in Organization Development **Unit(s):** 1-3
- OD 544A - Qualitative Research in Organizations **Unit(s):** 1-3
- OD 544B - Qualitative Research in Organization **Unit(s):** 1-3
- OD 554 - Organizational Systems Inquiry **Unit(s):** 3-4
- OD 556 - Socio-Technic Systems Redesign **Unit(s):** 2-4
- OD 557A - Human Systems Redesign **Unit(s):** 1-4
- OD 557B - Human Systems Redesign **Unit(s):** 1-4
- OD 572A - Internship and Professional Practice in Organization Development **Unit(s):** 4
- OD 572B - Internship in Organization Development **Unit(s):** 4
- OD 578 - Project Continuation **Unit(s):** 1-3
- OD 596 - Graduate Tutorial **Unit(s):** 1-4
- OD 598 - Culminating Paper Tutorial **Unit(s):** 1-4

Program of Study

Semester I

- OD 513 - Facilitation and Training **Unit(s):** 3-4
- OD 533A - Interpersonal Dynamics in Organization Development **Unit(s):** 1-3
- OD 554 - Organizational Systems Inquiry **Unit(s):** 3-4

Semester II

- OD 514 - Organization and Team Development **Unit(s):** 3-4
- OD 533B - Interpersonal Dynamics in Organization Development **Unit(s):** 1-3
- OD 556 - Socio-Technic Systems Redesign **Unit(s):** 2-4

Semester III

Satisfactory completion of the first year curriculum including the Spring Project is a prerequisite for continuing in the program. The Culminating Project Proposal must be completed by the end of the third semester.

- OD 518A - Advanced Intervention Methods in Organization Development **Unit(s):** 2
- OD 544A - Qualitative Research in Organizations **Unit(s):** 1-3
- OD 557A - Human Systems Redesign **Unit(s):** 1-4
- OD 572A - Internship and Professional Practice in Organization Development **Unit(s):** 4

Semester IV

- OD 518B - Advanced Intervention Methods in Organization Development **Unit(s):** 2
- OD 544B - Qualitative Research in Organization **Unit(s):** 1-3
- OD 557B - Human Systems Redesign **Unit(s):** 1-4

School of Science and Technology

Lynn Stauffer, Dean
 Darwin Hall 115
 (707) 664-2171
 scitech.sonoma.edu

The curriculum offered in the School of Science and Technology meets the professional needs of students planning a career in natural or physical sciences, mathematics and statistics, nursing, kinesiology, electrical engineering and computer science. The school's dedicated faculty and staff of professional scientists, mathematicians and health professionals are proud of the education they provide and of the accomplishments of their students. The school values faculty-student interaction, much of which is cultivated in small major's courses and a rich hands-on curriculum. Graduates of the School of Science and Technology have established excellent records; some have earned national awards, many have earned advanced degrees, and all are poised to meet the workforce needs of our state in science, technology, healthcare, education, engineering, and many other high-demand fields. Students interested in the health professions may enroll in any of the science departments to complete their undergraduate work. Sonoma State pre-health students' success rates in entering medical schools

are well above national averages. The school, in collaboration with the School of Education, provides an excellent preparation for future mathematics and science teachers at the elementary and secondary level.

The School of Science and Technology also serves the needs of students in the schools of Arts and Humanities, Social Sciences, Business and Economics, and Education. Students with career goals in fields such as business, management, law, and urban planning may find courses in mathematics, statistics, or computing essential to their future. In addition, the School of Science and Technology offers a rich selection of studies that can enhance a student's entire life. Courses in kinesiology, astronomy, biology, geology, electrical engineering and computer science can provide a basis for lifelong pursuits and enrichment.

The three master's programs in biology, computer and engineering science, and nursing provide graduate students with a wide variety of opportunities ranging from research to clinical studies. Many of the nursing graduate courses are delivered by distance learning methods and a significant number of scientists and engineers from our local high tech industry participate in exciting graduate and undergraduate research activities in the school.

The School of Science and Technology is home to several respected programs and organizations including the Center for Environmental inquiry, the Education and Public Outreach group, the Summer High School Internship Program, the Mathematics, Engineering, Science Achievement (MESA) program and the Lewis Stokes Alliance for Minority Participation program. Millions of dollars have been invested in the school's laboratories and undergraduate and graduate students use these facilities including the Keck Microanalysis Lab, the SSU Makerspace, over 4,000 acres of nature preserves and other technological instrumentation to carry out their own experiments on their way to fulfilling their educational goals.

Biology

Department Office
Darwin Hall 200
(707) 664-2189
biology.sonoma.edu/

Department Chair
Richard Whitkus

Administrative Coordinators
Rosemary Galten, Elisabeth Kettmann

For faculty information, please see Faculty or the Biology faculty web page.

The Department of Biology offers a dynamic learning environment, exciting research and training opportunities, and intensive mentoring of students at all levels. Our faculty members are dedicated educators and active scholars who engage in primary research to address diverse topics in the biological sciences. The overall mission of our undergraduate and graduate programs is to educate the next generation of scholars, professionals, and citizens so that they are prepared to meet the biological, environmental, and technological challenges of the future.

Students in the Department of Biology may select from two broadly based Bachelor's degree programs or a Master of Science degree. Within the Bachelor of Arts and Bachelor of Science program, students can select a more focused concentration.

The educational and research activities in the department explore the full range of biology, including molecular and cell biology, physiology, marine biology, microbiology, genetics, ecology, conservation biology, evolutionary biology, and zoology.

Laboratory instruction includes use of modern facilities to provide students with valuable hands-on experience in the latest techniques and research methods. Excellent laboratory and greenhouse facilities exist for maintaining live material for education and research. A radioisotope laboratory is also available.

Field courses draw upon the unparalleled diversity of habitats in the North Bay region. They also capitalize on two spectacular nature preserves: Fairfield Osborn Preserve and Galbreath Wildlands Preserve, administered by Sonoma State University. In addition, the department maintains museum collections of local plants, (North Coast Herbarium of California), vertebrates (Jack Arnold Vertebrate Collection) insects, and other invertebrates.

The Master's program is comprised of an active cohort of graduate students engaged in primary research with faculty members. External funding sources often support graduate student research. Graduate student support includes teaching associate positions that involve close mentoring relationships with instructional faculty.

Careers in Biology

The biology curriculum, supported by physical sciences and mathematics, is designed to provide students with a strong background in the principles of biology and their application to current research questions and biological resource management challenges. This combination of breadth and in-depth instruction allows students to develop the intellectual foundations, skills and flexibility needed to deal with the specific biological concerns of today and future needs of the profession.

Biology graduates enter careers in many areas including health care, biological and biotechnology research, education, agency positions in parks, recreation, conservation and restoration. Graduates from the department have an outstanding record of acceptance in graduate programs.

Biology Degree Plans

The B.A. and B.S. plans share a common lower- and upper-division core, which allows beginning students to select an optional degree plan after the first or second year. Students seeking B.A. may select the Zoology concentration, while those seeking a B.S. may select one of the four concentrations. Students should contact the department and their assigned advisor for additional advice concerning how to complete the requirements for various concentrations.

Biology, B.A.

General Education (48 units, 12 covered in major)36

Major core requirements 20

Major electives	20
Support courses	20-21
General electives	23-24
Total units needed for graduation	120

Major Core Requirements

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- BIOL 131 - Biological Diversity and Ecology **Unit(s): 4**
- BIOL 320 - Ecology and Evolution - An Integrated Approach **Unit(s): 4**
- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**

One organismal / diversity course from the following list

(check Concentration for preferred Course Selection)

- BIOL 322 - Invertebrate Biology **Unit(s): 4**
- BIOL 323 - Entomology **Unit(s): 4**
- BIOL 327 - Vertebrate Biology **Unit(s): 4**
- BIOL 329 - Plant Biology **Unit(s): 4**
- BIOL 340 - General Bacteriology **Unit(s): 4**

Major Electives

Choose 20 units of upper division biology electives in consultation with a department advisor.

Support courses

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- PHYS 210A - General Physics **Unit(s): 3 AND**
- PHYS 209A - General Physics Laboratory **Unit(s): 1 OR**
- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 OR**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

Units

Total units in the major core: 20

Total units in major elective: 20

Total units in support courses: 20-21

Concentration

- Zoology Concentration

Sample Four-Year Program

Bachelor of Arts Degree in Biology

Freshman Year: 31 Units

Fall Semester (15 Units)

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- CHEM 115A - General Chemistry **Unit(s): 5**
- A2: Written Communication
- A1: Oral Communication

Spring Semester (16 Units)

- BIOL 131 - Biological Diversity and Ecology **Unit(s): 4**
- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 OR**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- A3: Critical Thinking

Sophomore Year: 31 Units

Fall Semester (16 Units)

- BIOL 320 - Ecology and Evolution - An Integrated Approach **Unit(s): 4**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- GE
- General Electives

Spring Semester (15 Units)

- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**
- PHYS 210A - General Physics **Unit(s): 3**
AND
- PHYS 209A - General Physics Laboratory **Unit(s): 1 OR**

- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- GE
- General Electives

Junior Year: 28 Units

Fall Semester (13 Units)

- BIOL Diversity course 4 units
- BIOL UD Electives 3 units
- GE 6 units

Spring Semester (15 Units)

- BIOL UD Electives 5 units
- GE 6 units
- Electives 4 units

Senior Year: 30 Units

Fall Semester (15 Units)

- BIOL Elective 4 units
- GE 3 units
- Electives 8 units

Spring Semester (15 Units)

- BIOL Electives 8 units
- GE 3 units
- Electives 4 units

Total Units: 120

Biology, B.S.

General Education (48 units, 12 covered in major)	36
Major core requirements	23
Major electives	24
Support courses	31
General electives	6

Total units needed for graduation

120

Major Core Requirements

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- BIOL 131 - Biological Diversity and Ecology **Unit(s): 4**
- BIOL 320 - Ecology and Evolution - An Integrated Approach **Unit(s): 4**
- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**

One organismal / diversity course from the following list

(check concentration for preferred course selection)

- BIOL 322 - Invertebrate Biology **Unit(s): 4**
- BIOL 323 - Entomology **Unit(s): 4**
- BIOL 327 - Vertebrate Biology **Unit(s): 4**
- BIOL 329 - Plant Biology **Unit(s): 4**
- BIOL 340 - General Bacteriology **Unit(s): 4**

Research experience

(minimum 3 units)

- BIOL 490 - Research Experience in Biology **Unit(s): 3**
OR
- BIOL 494 - Independent Research **Unit(s): 1-3**
OR
- BIOL 496A - Honors Thesis I **Unit(s): 1-2**
AND
- BIOL 496B - Honors Thesis II **Unit(s): 2-3**

Major Electives

Choose 24 units of upper division biology electives in consultation with department advisor.

Support courses

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 335B - Organic Chemistry **Unit(s): 3**
- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 210B - General Physics **Unit(s): 3**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**

- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**

Units

Total units in major core: 23

Total units in major elective: 24

Total units in support courses: 31

Concentrations

- Ecology and Evolutionary Biology Concentration
- Marine Biology Concentration
- Physiology Concentration
- Molecular Cell Biology Concentration

Sample Four-Year Program

Bachelor of Science Degree in Biology

Freshman Year: 31 Units

Fall Semester (15 Units)

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- CHEM 115A - General Chemistry **Unit(s): 5**
- GE A1: Oral Communication
- GE A2: Written Communication

Spring Semester (16 Units)

- BIOL 131 - Biological Diversity and Ecology **Unit(s): 4**
- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- GE A3: Critical Thinking

Sophomore Year: 28 Units

Fall Semester (14 Units)

- BIOL 320 - Ecology and Evolution - An Integrated Approach **Unit(s): 4**
- CHEM 335A - Organic Chemistry **Unit(s): 3**

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE

Spring Semester (14 Units)

- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**
- CHEM 335B - Organic Chemistry **Unit(s): 3**
- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- GE

Junior Year: 31 Units

Fall Semester (16 Units)

- BIOL Diversity Course
- BIOL Elective
- PHYS 210B - General Physics **Unit(s): 3**
- GE

Spring Semester (15 Units)

- BIOL Electives 9 units
- GE 6 units

Senior Year: 30 Units

Fall Semester (14 Units)

- BIOL UD Elective 4 units
- BIOL research 1-2 units
- GE 6 units
- General Electives 3 units

Spring Semester (16 Units)

- BIOL UD Electives 8 units
- BIOL research 1-2 units
- GE 3 units
- General Electives 3 units

Total Units: 120

Upper-Division Biology Electives

Major electives are used to meet the total upper-division unit requirement for the B.A. or B.S. Major electives are chosen from the following:

1. Additional upper division courses in a concentration.
2. Any Biology course numbered greater than 321 (except BIOL 398). This list is subject to revision following this catalog edition. Students should check with their academic advisor for updates. Seniors may also take graduate courses (500 level) with permission of the instructor.
3. Supervisory courses in biology. These courses are: BIOL 393, BIOL 494, BIOL 495, BIOL 496A, BIOL 496B, BIOL 498, and BIOL 499 (see Restrictions below for unit limits for these courses).
4. Biology colloquium, BIOL 390, may be taken twice (2 units total) for major credit.
5. A maximum of 4 units from courses related to biology from other departments, or from Biology non-majors courses numbered 200-319. To apply the units to the major, students must obtain written permission from their advisor and Department chair before taking these courses by completing academic requirements report- update forms (available from the department office). Acceptable courses in this category from other departments include:
 - ANTH 301 - Human Fossils and Evolution **Unit(s): 4**
 - ANTH 302 - The Evolution of Males and Females **Unit(s): 4**
 - ANTH 318 - Human Development in Evolutionary Perspective **Unit(s): 3**
 - ANTH 345 - Nature and Society: Topics in Anthropology and the Environment **Unit(s): 4**
 - ANTH 414 - Observing Primate Behavior **Unit(s): 4**
 - CHEM 441 - Biochemical Methods **Unit(s): 3**
 - CHEM 445 - Structural Biochemistry **Unit(s): 3**
 - CHEM 446 - Metabolic Biochemistry **Unit(s): 3**
 - GEP 362 - Environmental Impact Assessment **Unit(s): 2-3**
 - GEP 341 - Conservation Biology **Unit(s): 3-4**
 - GEP 445 - Restoration Ecology **Unit(s): 4**
 - GEOL 313 - Paleontology **Unit(s): 4**

Restrictions

1. A maximum of 4 units taken in the Cr/NC grading mode may be applied to the major from the following courses: BIOL 390, BIOL 498, BIOL 499. All other courses in the Biology major must be taken in the traditional grading mode (A-F).
2. A maximum of 7 units from the following list of courses may be applied to the major:
 - BIOL 390 - Biology Colloquium **Unit(s): 1**
 - BIOL 393 - Independent Study in Biology **Unit(s): 1-3**
 - BIOL 494 - Independent Research **Unit(s): 1-3**
 - BIOL 495 - Special Studies **Unit(s): 1-4**
 - BIOL 496A - Honors Thesis I **Unit(s): 1-2**
 - BIOL 496B - Honors Thesis II **Unit(s): 2-3**
 - BIOL 498 - Biology Practicum **Unit(s): 1-4**
 - BIOL 499 - Internship in Biology **Unit(s): 1-4**

Preparation for Applying to Health Professions Programs

Students majoring in biology and intending to pursue careers in the health care professions may follow the guidelines for a B.S. degree or a B.A. degree. For additional information see a Health Professions Advisor for the Health Professions Advisory Program in this catalog.

Biology, M.S.

The Master of Science degree in the Department of Biology is a thesis based program. Students complete 30 units of course work, which may include classroom courses in addition to mentor-supervised research units, to master the concepts and techniques in their chosen area. They also conduct original research under the direction of a member of the graduate faculty and write up their findings as a Master's Thesis.

Graduate students in the Department of Biology are supported through a variety of sources. The Department has a limited number of paid teaching associate positions available each semester. The University offers a limited number of tuition fee waivers for qualified teaching associates. In addition, students may receive research associate positions through their faculty mentor's research grants. Students can also obtain academic scholarships and financial aid.

Faculty in the Biology Graduate Program are actively involved in research in a wide range of disciplines, including ecology and restoration ecology, evolutionary biology, molecular and cell biology, biochemistry, physiology, microbiology, functional morphology, marine biology, and primatology.

Graduates find themselves with an enhanced understanding of biology and first-hand experience in the practice of science. Many M.S. students go on to doctoral programs; others pursue careers in teaching, research, environmental consulting, resource management, industry and health care professions.

Admission to the Program

Complete application instructions are available on the Biology Department website:
www.sonoma.edu/biology/graduate/admissions.html

Admission to the program requires:

- I. Meeting California State University admission requirements.
- II. Acceptance by a biology graduate faculty member to serve as a faculty advisor. Students should contact their potential faculty advisor prior to completing an application and refer to this communication in the Statement of Purpose.
- III. Approval of the Graduate Committee. Applications will be reviewed for evidence that the prospective student is capable of initiating and performing original research. Applicants deficient in undergraduate course preparation will be expected to demonstrate competency before being advanced to candidacy. As a general guideline, the Department of Biology uses the following criteria to determine this potential:
 - IV. An undergraduate degree in biology or related field. The following course guidelines will also be used to determine admission, including:
 - A. One course in calculus or statistics;
 - B. One year of general chemistry and one semester of organic chemistry;
 - C. At least one other course in physical sciences;

D. Upper-division coursework demonstrating competence in three of four core areas (organismal biology; physiology; molecular or cellular biology; ecology or evolutionary biology);

E. GPA of 3.00 or higher in the last 60 units;

F. A score at or above the 50th percentile on each section of the General Examination of the GRE; and

G. Evidence in letters of recommendation of potential for conducting independent and original research in biology.

Admission requirements, policies, and other information related to the Master's degree program in Biology can be found at:

www.sonoma.edu/biology/graduate/

Biology, Minor

The minor consists of a minimum of 20 units in the Department of Biology. The purpose of the minor is to provide a student with a rigorous background in biology that supplements the student's major.

Students must develop a program in consultation with a faculty advisor in the Biology Department.

Requirements of the Biology Minor are:

Two lower-division: 8

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- BIOL 131 - Biological Diversity and Ecology **Unit(s): 4**

Additional units in Biology: 12

At least eight of the additional units must be upper-division courses for majors with at least one of these a 4-unit course with a laboratory. One GE course in biology or one unit of Biology Colloquium (BIOL 390) may also be applied. All courses applied to the minor must be taken for a letter grade, except BIOL 390.

Chemistry

Department Office
Darwin Hall 300
(707) 664-2119
chemistry.sonoma.edu

Department Chair
Carmen Works
Darwin 312
(707) 664-3084
works@sonoma.edu

For faculty information, please see Faculty or the Chemistry faculty web page.

Chemistry is the study of matter, its properties, and how it changes. An understanding of chemical principles is required to fully understand most scientific disciplines such as biology, medicine, physics,

environmental science, geology, materials science, pharmaceuticals, agriculture, forensic science, most branches of engineering, and even studio art. Chemists not only study molecules that nature provides but also synthesize new molecules to be used in many of these fields.

The department offers both bachelor of arts and bachelor of science degrees. Both degrees provide students with a solid chemical foundation to prepare them for graduate school, professional school, or the workforce. The B.S. degree requires more science coursework, while the B.A. allows more flexibility for other academic interests. The B.S. in biochemistry is designed for students with an interest in the biological aspects of chemistry and the pre-health professions.

Careers in Chemistry

Sonoma State University is fortunate to be situated within the greater Bay Area, which is rapidly becoming a leading area for research in disciplines such as biotechnology, pharmaceuticals, materials science, and proteomics. Sonoma State graduates have a high success rate for acceptance into advanced degree programs in chemistry and biochemistry; medical, dental, and veterinary schools; cell and molecular biology; and materials science. They have also entered the job market in a variety of careers, including government agencies (FBI, forensics), technical writing, chemical and biochemical research, cosmetics and perfumes, space chemistry, teaching at all levels, medical technology, pharmaceuticals, patent law, materials research, consulting, and applications of chemistry in business.

Students seeking teaching credentials may elect chemistry as their major within the teaching credential program in science.

The Chemistry Department

The small size and educational philosophy of the department encourages students to develop close relationships with other students, faculty, and staff. Coursework and individual research projects place an emphasis on laboratory experiences in which students are expected to become familiar with a variety of techniques and instruments. In their freshman year, students participate in a learning community with other chemistry and biochemistry majors and in their senior year participate in a capstone experience to further prepare themselves for entry into industry or graduate education. Novel undergraduate research experiences are an integral part of our program. In 2006, the department returned to the newly remodeled Darwin Hall, equipped with new lower-division teaching laboratories and facilities for advanced laboratory courses and undergraduate research. Our laboratories are equipped with many modern, computerized instruments that include ultraviolet, visible, infrared, atomic absorption, and fluorescence spectrophotometers; a high field resonance spectrometer; high-pressure liquid, gas, and ion exchange chromatographs; and gas chromatographs with mass spectrometer detectors, and an LCMS with time of flight detector.

Repeat Policy

Any student wishing to repeat a chemistry course must first fill out a course repeat form and have it approved by the chemistry department chair before they will be allowed a seat in the class. Students repeating a class will be given last priority at registration. Students that register for the class without following this policy will be administratively dropped from the course. Course repeat forms are available in the department office.

Chemistry and Biochemistry majors may only repeat a total of three chemistry courses, any combination, in order to graduate with a chemistry or biochemistry degree. Students can petition the department for reinstatement on a case-by-case basis.

Biochemistry, B.S.

(Certified by the American Chemical Society)

The B.S. degree in biochemistry is appropriate for students interested in the medical fields, graduate study in chemistry or biochemistry, or employment in the biochemical, pharmaceutical or biotechnology industries. All courses in the major core, major electives and supporting courses must be taken in the traditional grading mode (A-F). Undergraduate research is required for the B.S. degree in biochemistry. Transcripts will be noted as approved by the American Chemical Society.

Please see the current approved curriculum on the SSU official catalog web page.

Degree Requirements	Units
General education (48, 16 in major)	48
Major requirements	43
Biology / Chemistry courses	10
Supporting courses	13-15
Electives	4-6
Total units needed for graduation	120

Major Core Requirements

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B, but is required for majors that took CHEM 115A/CHEM 115B. Students should replace these four units by completing the challenge by exam form upon completion of the series.*

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
10 units, 4 in the major core, 6 in GE

- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 315 - Introduction to Research Methods in Chemistry **Unit(s): 1**
- CHEM 316 - Research Methods in Chemistry **Unit(s): 2**
- CHEM 325 - Inorganic Chemistry **Unit(s): 3**

- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**
- CHEM 441 - Biochemical Methods **Unit(s): 3**
- CHEM 445 - Structural Biochemistry **Unit(s): 3**
- CHEM 446 - Metabolic Biochemistry **Unit(s): 3**
- CHEM 497 - Research Seminar **Unit(s): 1**

Biology/Chemistry Courses

- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4** (4 units, 1 in the major core, 3 in general education B2)
- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**
- BIOL 325 - Molecular and Cellular Lab Techniques **Unit(s): 1**

Choose 1 from the following:

- CHEM 496 - Selected Topics in Chemistry **Unit(s): 1-6** (4 Unit(s) Required) **OR**
- UD CHEM Elective
- BIOL 338 - Environmental Microbiology and Biotechnology **Unit(s): 4**
- BIOL 340 - General Bacteriology **Unit(s): 4**
- BIOL 342 - Molecular Genetics **Unit(s): 4**
- BIOL 344 - Cell Biology **Unit(s): 4**
- BIOL 348 - Plant Physiology **Unit(s): 4**
- BIOL 349 - Animal Physiology **Unit(s): 4**
- BIOL 383 - Virology **Unit(s): 4**
- BIOL 544 Advanced Cell Biology **Unit(s): 4**
(or other courses approved by the Chemistry Department)

GE Courses

- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**
- Others

Supporting Courses

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4** (4 units, 1 in major core, 3 in GE B4)
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- CHEM 115A - General Chemistry **Unit(s): 5**

AND

- CHEM 115B - General Chemistry **Unit(s): 5 OR**
- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**

AND

- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**

- PHYS 114 - Introduction to Physics I **Unit(s): 4 OR**
- PHYS 210A - General Physics **Unit(s): 3**

- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1 OR**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**

- PHYS 214 - Introduction to Physics II **Unit(s): 4 OR**
- PHYS 210B - General Physics **Unit(s): 3**

- PHYS 216 - Introductory Laboratory **Unit(s): 1 OR**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**

Units

Total units in the major core: 43

Total units in Biology/Chemistry Courses: 10

Total units in GE courses: 50

Electives: 2-4

Total units to graduate: 120

Sample Four-Year Program

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B. Students should replace these four units by completing the challenge by exam form upon completion of the series.*

Bachelor of Science in Biochemistry

Freshman Year: 30 Units

Fall Semester (15 Units)

- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**

- GE

Spring Semester (15 Units)

- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**
- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

Sophomore Year: 29 Units

Fall Semester (13 Units)

- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- PHYS 210B - General Physics **Unit(s): 3**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**
- BIOL 130 - Introductory Cell Biology and Genetics **Unit(s): 4**

Spring Semester (16 Units)

- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- BIOL 321 - Molecular Biology, Cell Biology & Physiology **Unit(s): 4**
- BIOL 325 - Molecular and Cellular Lab Techniques **Unit(s): 1**
- GE

Junior Year: 30 Units

Fall Semester (14 Units)

- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 315 - Introduction to Research Methods in Chemistry **Unit(s): 1**
- CHEM 445 - Structural Biochemistry **Unit(s): 3**
- GE
- GE

Spring Semester (14-16 Units)

- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 316 - Research Methods in Chemistry **Unit(s): 2**
- CHEM 446 - Metabolic Biochemistry **Unit(s): 3**
- GE
- Elective

Senior Year: 31 Units

Fall Semester (16 Units)

- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**
- GE
- GE
- GE

Spring Semester (15 Units)

- CHEM 497 - Research Seminar **Unit(s): 1**
- CHEM 325 - Inorganic Chemistry **Unit(s): 3**
- CHEM 441 - Biochemical Methods **Unit(s): 3**
- BIOL or CHEM UD Elective
- GE

Total Semester Units: 120

Chemistry, B.A.

The B.A. degree provides a solid foundation in chemistry so students have the same career options as those with the B.S. degree, while allowing students the flexibility to pursue other academic interests. All courses in the major core, major electives, and supporting courses must be taken in the traditional grading mode (A-F). It is highly recommended that students perform undergraduate research with a faculty member.

Please see the current approved curriculum on the SSU official catalog web page.

Degree Requirements	Units
General education (48, 13 in major)	48
Major requirements	34
Supporting courses	13-15
Electives	23-25
Total units needed for graduation	120

Major Core Requirements

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B, but is required for students who took CHEM 115A/CHEM 115B . Students should replace these four units by completing the challenge by exam form upon completion of the series.*

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
10 units, 4 in the major core, 6 in GE

- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 325 - Inorganic Chemistry **Unit(s): 3**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**

- CHEM 315 - Introduction to Research Methods in Chemistry **Unit(s): 1 OR**
- CHEM 316 - Research Methods in Chemistry **Unit(s): 2 OR**
- CHEM 336B - Organic Chemistry Lab II **Unit(s): 2 OR**
- CHEM 402 - Advanced Synthesis and Instrumental Analysis **Unit(s): 3 OR**
- CHEM 441 - Biochemical Methods **Unit(s): 3 OR**
- CHEM 445 - Structural Biochemistry **Unit(s): 3 OR**
- CHEM 446 - Metabolic Biochemistry **Unit(s): 3 OR**
- CHEM 496 - Selected Topics in Chemistry **Unit(s): 1-6 (6 Unit(s) Required)**

- CHEM 497 - Research Seminar **Unit(s): 1**

Supporting Courses

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4** (4 units, 1 in major core, 3 in GE B4)
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

- PHYS 114 - Introduction to Physics I **Unit(s): 4 OR**
- PHYS 210A - General Physics **Unit(s): 3**

- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1 OR**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**

- PHYS 214 - Introduction to Physics II **Unit(s): 4 OR**
- PHYS 210B - General Physics **Unit(s): 3**

- PHYS 216 - Introductory Laboratory **Unit(s): 1 OR**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**

GE Courses

- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**
- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
OR
- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
Others

Units

Total units in the major core: 34

Total units in supporting courses: 13-15

Total units in GE courses: 35

Electives: 23

Total units to graduate: 120

Secondary Education Teaching Preparation

Chemistry students must demonstrate competence in the natural sciences by passing the subject matter examination required by the California Commission on Teacher Credentialing. One part of the examination will test breadth of knowledge in biology, chemistry, physics, astronomy, and geology. Another part of the examination will test depth of knowledge in a particular area, such as chemistry. The B.A. or B.S. degree in chemistry is recommended to prepare for the part of the examination that tests depth of knowledge in chemistry. For more information, please contact the Chemistry Department office, Darwin Hall 300, (707)664-2119.

Sample Four-Year Program

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B. Students should replace these four units by completing the challenge by exam form upon completion of the series.*

Chemistry Electives: CHEM 315, CHEM 316, CHEM 336B, CHEM 402, CHEM 441, CHEM 445, CHEM 446, or CHEM 496

Bachelor of Arts in Chemistry

Freshman Year: 30 Units

Fall Semester (15 Units)

- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE
- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**

Spring Semester (15 or 16 Units)

- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**

Sophomore Year: 28 Units

Fall Semester (13-17 Units)

- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- PHYS 210B - General Physics **Unit(s): 3**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**
- GE
- Elective

Spring Semester (13 Units)

- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 336B - Organic Chemistry Lab II **Unit(s): 2**
- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- GE

Junior Year: 31 Units

Fall Semester (16 Units)

- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- GE
- Elective

Spring Semester (15 Units)

- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- GE

Senior Year: 31 Units

Fall Semester (15 Units)

- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**
- Chemistry Elective
- GE
- Elective

Spring Semester (16 Units)

- CHEM 497 - Research Seminar **Unit(s): 1**
- CHEM 325 - Inorganic Chemistry **Unit(s): 3**
- Elective

Total Semester Units: 120

Chemistry, B.S.

(Certified by the American Chemical Society)

The B.S. degree provides thorough preparation for students who wish to pursue advanced degrees in the chemical sciences, go to professional school, or work as chemists in industry. All courses in the major core, major electives, and supporting courses must be taken in the traditional grading mode (A-F). Transcripts will be noted as approved by the American Chemical Society.

Please see the current approved curriculum on the SSU official catalog web page.

Degree Requirements	Units
General education (48, 13 in major)	48
Major requirements	48
Supporting courses	19
Electives	5
Total units needed for graduation	120

Major Core Requirements

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B., but is required for majors who took CHEM 115A/CHEM 115B . Students should replace these four units by completing the challenge by exam form upon completion of the series.*

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**
10 units, 4 in the major core, 6 in GE

- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 315 - Introduction to Research Methods in Chemistry **Unit(s): 1**
- CHEM 316 - Research Methods in Chemistry **Unit(s): 2**
- CHEM 325 - Inorganic Chemistry **Unit(s): 3**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- CHEM 336B - Organic Chemistry Lab II **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**
- CHEM 402 - Advanced Synthesis and Instrumental Analysis **Unit(s): 3**

- CHEM 445 - Structural Biochemistry **Unit(s): 3 OR**
- CHEM 446 - Metabolic Biochemistry **Unit(s): 3 OR**
- CHEM 340 Biochemistry **Unit(s): 3**

- CHEM 496 - Selected Topics in Chemistry **Unit(s): 1-6 (6 Unit(s) Required)**
- CHEM 497 - Research Seminar **Unit(s): 1**

Supporting Courses

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 (3 units, counted as GE B4)**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 261 - Multivariable Calculus **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**

GE Courses

- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**
- CHEM 115A - General Chemistry **Unit(s): 5**

- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- Others

Units

Total units in the major core: 48

Total units in supporting courses: 19

Total units in GE courses: 48

Electives: 5

Total units to graduate: 120

Secondary Education Teaching Preparation

Chemistry students must demonstrate competence in the natural sciences by passing the subject matter examination required by the California Commission on Teacher Credentialing. One part of the examination will test breadth of knowledge in biology, chemistry, physics, astronomy, and geology. Another part of the examination will test depth of knowledge in a particular area, such as chemistry. The B.A. or B.S. degree in chemistry is recommended to prepare for the part of the examination that tests depth of knowledge in chemistry. For more information, please contact the Chemistry Department office, Darwin Hall 300, (707)664-2119.

Sample Four-Year Program

** Quantitative Analysis (CHEM 255) is not required for students who have completed CHEM 125A & CHEM 125B. Students should replace these four units by completing the challenge by exam form upon completion of the series.*

Bachelor of Science in Chemistry

Freshman Year: 31 Units

Fall Semester (15 Units)

- CHEM 125A - Quantitative General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- CHEM 120A - Thinking Like a Scientist **Unit(s): 2**
- GE

Spring Semester (16 Units)

- CHEM 125B - Quantitative General Chemistry **Unit(s): 5**

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- CHEM 120B - Thinking Like a Scientist **Unit(s): 2**

Sophomore Year: 30 Units

Fall Semester (14 Units)

- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- MATH 261 - Multivariable Calculus **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**

Spring Semester (16 Units)

- CHEM 335B - Organic Chemistry **Unit(s): 3**
- CHEM 336B - Organic Chemistry Lab II **Unit(s): 2**
- CHEM 255 - Quantitative Analysis **Unit(s): 4 ***
- GE

Junior Year: 29 Units

Fall Semester (15 Units)

- CHEM 445 - Structural Biochemistry **Unit(s): 3**
- CHEM 310A - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 315 - Introduction to Research Methods in Chemistry **Unit(s): 1**
- GE

Spring Semester (14 Units)

- CHEM 310B - Fundamentals of Physical Chemistry **Unit(s): 3**
- CHEM 316 - Research Methods in Chemistry **Unit(s): 2**
- CHEM Elective
- GE

Senior Year: 30 Units

Fall Semester (14 Units)

- CHEM 275 - Instrumental Analysis **Unit(s): 2**
- CHEM 401 - Senior Integrated Lab **Unit(s): 3**
- CHEM Elective

- GE

Spring Semester (16 Units)

- CHEM 325 - Inorganic Chemistry **Unit(s): 3**
- CHEM 402 - Advanced Synthesis and Instrumental Analysis **Unit(s): 3**
- CHEM 497 - Research Seminar **Unit(s): 1**
- GE
- Elective

Total Semester Units: 120

Minor

Chemistry, Minor

These additional upper-division classes must be taken in residence at SSU. Up to three units in CHEM 115A may count toward the General Education requirements in area B including the laboratory requirement. CHEM 125A/CHEM 125B may be substitute for the combined requirement of CHEM 115A/CHEM 115B and CHEM 255.

Completion of the following SSU courses (or their equivalent):

These additional upper-division classes must be taken in residence at SSU. Up to six units in CHEM 115A/CHEM 115B may count toward the General Education requirements in area B including the laboratory requirement. CHEM 125A/CHEM 125B may be substitute for the combined requirement of CHEM 115A/CHEM 115B and CHEM 255.

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**
- CHEM 255 - Quantitative Analysis **Unit(s): 4**
- CHEM 335A - Organic Chemistry **Unit(s): 3**
- CHEM 336A - Organic Chemistry Lab I **Unit(s): 2**
- plus at least two additional upper-division classes for a total of 6 units.

Computer Science

Department Office
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www.cs.sonoma.edu

Department Chair
Suzanne Rivoire

For faculty information, please see Faculty or the Computer Science faculty web page.

Computer Science is the scientific study of computing devices, the software that drives them, and the computational tasks they are capable of performing. Computer scientists study both hardware and software; in both theoretical and applied contexts. Computing theory shares knowledge and techniques with the fields of mathematics, physics, engineering, philosophy, psychology, and linguistics. Its applications span the range of human endeavors: the physical life and social sciences; the literary, visual, and performing arts; law; government; recreation; and virtually every sector of the commercial world. Thus, computer science is by its very nature an interdisciplinary subject that offers both a solid unifying foundation for a liberal arts and sciences education, and valuable career skills.

The curriculum consists of a rigorous course of study in computer science and mathematics and provides the student with a thorough grounding in programming, fundamentals of computer organization, data structures, and algorithm design. It is designed to prepare students for careers in the computing industry and graduate work in computer science.

All courses submitted toward either major or minor requirements in the Computer Science Department must be taken for a letter grade (A-F) when possible. This includes electives in CS and all other courses taken to satisfy the major. This does not apply to courses that are challenged. Only those classes for which the student has received a C- or better may be used to satisfy prerequisite requirements. An instructor may require the student to provide evidence of having met prerequisite requirements.

Computer Science, B.S.

Degree Requirements

General Education (48 units, 3 covered by major requirements)	45 units
Computer Science Core	49 units
Computer Science Electives	9 units
Computer Science Capstone Requirement	3 units
Required Supporting Courses	10 -12 units
General Electives:	2-4 units
Total units needed for graduation:	120

Major Core Requirements

- CS 115 - Programming I **Unit(s): 4**
- CS 210 - Introduction to Unix **Unit(s): 1**
- CS 215 - Programming II **Unit(s): 4**
- CS 242 - Discrete Structures for Computer Science **Unit(s): 4**
- CS 252 - Introduction to Computer Organization **Unit(s): 4**
- CS 315 - Data Structures **Unit(s): 4**
- CS 351 - Computer Architecture **Unit(s): 4**

- CS 355 - Database Management Systems Design **Unit(s): 4**
- CS 370 - Software Design and Development **Unit(s): 4**
- CS 415 - Algorithm Analysis **Unit(s): 4**
- CS 450 - Operating Systems **Unit(s): 4**
- CS 454 - Theory of Computation **Unit(s): 4**
- CS 460 - Programming Languages **Unit(s): 4**

Computer Science Electives

Choose 9 units of upper-division CS electives (see list below). No more than 3 units can be satisfied by a combination of CS 349, CS 390, CS 495, and CS 497.

** Selected topics courses include Bioinformatics, Data Compression, Wireless Networks, Mobile Application Development, and other current topics in computer science.*

- CS 330 - Introduction to Game Programming **Unit(s): 3**
- CS 340 - Computer Security and Malware **Unit(s): 3**
- CS 349 - Problem Solving in a Team Environment **Unit(s): 1**
- CS 360 - Object-Oriented Programming **Unit(s): 3**
- CS 365 - Computer Networking and the Internet **Unit(s): 3**
- CS 375 - Computer Graphics **Unit(s): 3**
- CS 385 - Selected Topics in Computer Science **Unit(s): 1-4 ***
- CS 386 - Selected Topics in CS with Lab **Unit(s): 3**
- CS 390 - Computer Science Colloquium **Unit(s): 1**
- CS 425 - Parallel Computing **Unit(s): 3**
- CS 452 - Compiler Design and Construction **Unit(s): 3**
- CS 465 - Data Communications **Unit(s): 3**
- CS 480 - Artificial Intelligence **Unit(s): 3**
- CS 495 - Special Studies **Unit(s): 1-4**
- CS 497 - Internship **Unit(s): 1-3 (2 Unit(s) Required)**

CS Capstone Requirement

One of the following courses:

- CS 470 - Advanced Software Design Project **Unit(s): 3**
- CS 496 - Senior Research Project **Unit(s): 3**

Required Supporting Courses

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 (GE Area B4)**

Two additional courses from the following:

- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

- MATH 222 - Elementary Applied Linear Algebra **Unit(s): 3**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 306 - Number Theory **Unit(s): 4**
- MATH 316 - Graph Theory and Combinatorics **Unit(s): 4**
- MATH 352 - Numerical Analysis **Unit(s): 4**
- MATH 416 - Graph Theory and Combinatorics **Unit(s): 4**
- MATH 430 - Linear Systems Theory **Unit(s): 3**
- MATH 470 - Mathematical and Statistical Modeling **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4** (Prerequisite PHYS 114, GE Area B1)
- Or other by arrangement with the CS Department

Units

Total units in major core: 49

Total units in major electives: 9

Total units in capstone requirement: 3

Total units in other required courses: 10-12

Total units in the major: 71-73

Sample Four-Year Plan

Bachelor of Science in Computer Science

Freshman Year: 32 Units

Fall Semester (16 Units)

- CS 115 - Programming I **Unit(s): 4**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE

Spring Semester (16 Units)

- CS 210 - Introduction to Unix **Unit(s): 1**
- CS 215 - Programming II **Unit(s): 4**
- CS 242 - Discrete Structures for Computer Science **Unit(s): 4**
- GE

Sophomore Year: 29-31 Units

Fall Semester (15-16 Units)

- CS 252 - Introduction to Computer Organization **Unit(s): 4**
- CS 315 - Data Structures **Unit(s): 4**
- Supporting Course in MATH/PHYS
- GE

Spring Semester (14-15 Units)

- CS 355 - Database Management Systems Design **Unit(s): 4**
- Supporting Course in MATH/PHYS
- CS Elective
- GE or University Elective

Junior Year: 30 Units

Fall Semester (15 Units)

- CS 351 - Computer Architecture **Unit(s): 4**
- CS 460 - Programming Languages **Unit(s): 4**
- CS Elective
- GE

Spring Semester (15 Units)

- CS 370 - Software Design and Development **Unit(s): 4**
- CS 415 - Algorithm Analysis **Unit(s): 4**
- CS Elective
- GE

Senior Year: 29 Units

Fall Semester (15 Units)

- CS 450 - Operating Systems **Unit(s): 4**
- CS 454 - Theory of Computation **Unit(s): 4**
- CS Elective
- GE

Spring Semester (14 Units)

- CS 470 - Advanced Software Design Project **Unit(s): 3 OR**
- CS 496 - Senior Research Project **Unit(s): 3**
- GE or University Electives

Total Units: 120

Computer Science, Minor

Students electing this minor will be prepared for careers in business application programming, scientific application programming, computer equipment sales, as field engineers, and as data processing managers among the myriad job opportunities associated with the computer field. Approval of the minor curriculum should be obtained by the junior year at the latest so that the minor may be properly planned.

Minor Core Requirements

- CS 115 - Programming I **Unit(s): 4**
- CS 210 - Introduction to Unix **Unit(s): 1**
- CS 215 - Programming II **Unit(s): 4**

Minor Electives

Choose 11 units of CS major courses (listed under *Major Core Requirements* and *Computer Science Electives* in the Computer Science, B.S. program), of which 6 units must be upper-division. No more than 2 units in any combination of CS 349, CS 390, CS 495, and CS 497 can be applied toward the minor.

Units

Total units in minor core: 9

Total units in minor electives: 11

Total units in the minor: 20

Engineering Science

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web.sonoma.edu/engineering

Department Chair
Farid Farahmand

For faculty information, please see Faculty or the Engineering Science faculty web page.

As defined in *Webster's Unabridged Dictionary*, "Engineering is the science by which the properties of matter and the sources of energy in nature are made useful to [humankind]." The study of Electrical Engineering, with focus in Electronics and Communications involves learning about analog and digital

electronics, microelectronic systems, micro controllers, mobile communication systems, signal processing, and the Internet.

The Bachelor of Science in Electrical Engineering (BSEE) program has been designed to prepare students for an exciting career in designing and manufacturing of electronic systems, communications systems and networks, microprocessors and computers, digital design, VLSI, FPGA, microwave, RF and lightwave communications, and integrated circuits. The graduates of the program will be well grounded in the rigorous scientific and theoretical foundations of the discipline. This will prepare them not only to have a successful career in the industry in the region and beyond, but also to enter and be successful in any advanced level graduate program of their choosing. The technical and liberal arts components of the curriculum provide students with the opportunity for gaining self-development, technical competence, and awareness of economic and ethical responsibilities.

The MS-CES curriculum, recognized as a Professional Science Masters (PSM) program by the Council of Graduate Schools (CGS), is designed to further the working skills and practical knowledge of engineers, computer scientists and similar professionals and prepares them to be successful in the real world, exposing students to management training and providing practical real world experience through internships and graduate seminars. The firm base in mathematics, computer science and physics is augmented with a selection of engineering course options, which prepares the students for tackling real-world problems.

Electrical Engineering, B.S.

Consistent with the mission of the University, the mission of the BSEE Program is to prepare students to be learned men and women who are capable of pursuing fulfilling careers in a changing world, and to fulfill the undergraduate technical education needs of the community, business, and industry of the North Bay region. A broader mission is to enable graduating engineers to acquire knowledge and experiences to prepare them to pursue lifelong learning, advanced study, and leadership roles in business and community.

The Electrical Engineering (EE) Program at Sonoma State University is an innovative program in which the curriculum has been designed to provide students with education in electrical engineering in electronics and communications.

The curriculum includes 48 units of General Education courses (9 units overlap with the required Physics, and Mathematics courses and 4 units of ES 210, GE A3); a 20-unit core in mathematics, computer science, and basic sciences; a 44-unit core in Electrical Engineering which includes electrical, computer, electronics, and communications engineering subjects such as circuits, analog/digital electronics, electromagnetic fields, microprocessors, analog and digital communications, and networking; and 6 units of Electrical Engineering electives which provides senior-level choices for more depth in students' areas of interest. Theoretical and practical learning experiences are an important part of all course work. The senior year also gives students the opportunity to consolidate their educational experiences with a capstone design project. The curriculum develops students' abilities to formulate problems, analyze alternatives, make decisions, and solve problems. Internship and co-op experiences will be encouraged to provide the students a real-world experience and to enhance students' communication and interpersonal skills.

BSEE Program Educational Objectives

The program produces BSEE graduates who

- 1- Design creative solutions to electrical engineering problems.
2. Demonstrate professional ethics.
3. Connect to their community and contribute to society.
4. Value lifelong learning and selfimprovement as demonstrated by taking part in professional development opportunities.
5. Lead and build teams.

BSEE Student Outcomes

The students will attain:

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

An ability to communicate effectively with a range of audiences.

An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Career Paths and Opportunities

The BSEE Program has been designed to prepare students for an exciting career in industries or to pursue graduate degrees. The graduates will find opportunities in industry in areas such as:

1. Electronic systems;
2. Communications systems;
3. Networking;
4. Computer engineering;
5. Telecommunications;
6. Optical fiber communications;

7. Integrated circuits;
8. Research and development in the areas above; and/or
9. Sales, marketing, and management in the areas above.

Some examples of the corresponding job titles are electronics engineer, computer engineer, hardware designer, systems engineer, communications engineer, communications analyst, telecommunications engineer, network engineer, network analyst, sales engineer, applications engineer, and field engineer.

Graduate degrees can be pursued in any one of the many fields such as electronics, communications, networking, computer engineering, and computer science.

Program Requirements

Degree Requirements	Units
Major requirements (including technical electives)	54 *
Support courses (physics, computer science, and mathematics) ³¹	**
GE courses	37
Total units needed for graduation	120 **

* 4 units double count in GE units.

** 9 units double count in GE units.

Electrical Engineering

- EE 110 - Introduction to Engineering and Laboratory Experience **Unit(s): 1**
- EE 112 - Fundamentals of Digital Logic Design **Unit(s): 1**
- ES 210 - Digital Circuits and Logic Design **Unit(s): 4**
- EE 220 - Electric Circuits **Unit(s): 3**
- EE 221 - Electric Circuits Laboratory **Unit(s): 1**
- EE 230 - Electronics I **Unit(s): 3**
- EE 231 - Electronics I Laboratory **Unit(s): 1**
- EE 310 - Microprocessors and System Design **Unit(s): 3**
- EE 310L - Microprocessors & System Design Lab **Unit(s): 1**
- EE 314 - Advanced Programming, Modeling, and Simulation **Unit(s): 4**
- EE 330 - Electronics II **Unit(s): 2**
- EE 345 - Probability and Statistics for Engineers **Unit(s): 3**
- EE 400 - Linear Systems Theory **Unit(s): 3**
- EE 430 - Electromagnetic Theory and Applications **Unit(s): 3**
- EE 442 - Analog and Digital Communications **Unit(s): 3**
- EE 442L - Analog and Digital Communications Lab **Unit(s): 1**
- EE 443 - Introduction Optical Fiber Communications **Unit(s): 3**
- EE 465 - Introduction to Networking and Network Management **Unit(s): 2**
- EE 465L - Intro. to Networking and Network Management Lab **Unit(s): 1**

Approved Technical Electives

- EE 492 - Senior Design Project Planning **Unit(s): 1**
- EE 493 - Senior Design Project **Unit(s): 3**
- EE 497 - Engineering Science Colloquium **Unit(s): 1**

Subtotal: 54

Computer Science

- CS 115 - Programming I **Unit(s): 4**

Subtotal: 4

Physics

- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**

Subtotal: 9

Mathematics

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 261 - Multivariable Calculus **Unit(s): 4**

Subtotal: 16

General Education

(Excluding math, physics, and CS courses)

** A list of recommended GE courses for BSEE major can be found at the department website or obtained from the department office.*

** Refer to the sample four-year program below*

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s): 3**
- Remaining GE courses *

Subtotal: 37

Units

Total Units for Graduation: 120

Sample Four-Year Program

The following is a sample study plan. The sequence and specific courses given are suggestive; please see an advisor each semester to plan your personal program.

Electrical Engineering, B.S.

Freshman Year: 31 Units

Fall Semester (15 Units)

- EE 110 - Introduction to Engineering and Laboratory Experience **Unit(s): 1**
- CS 115 - Programming I **Unit(s): 4**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4** *Meets GE Area B4: Mathematics/Quantitative Reasoning*
- ENGL 101 - Expository Writing and Analytical Reading **Unit(s): 3** *Meets GE Area A2: Written Communication*
- GE Area A1: Oral Communication

Spring Semester (16 Units)

- EE 112 - Fundamentals of Digital Logic Design **Unit(s): 1**
- PHYS 114 - Introduction to Physics I **Unit(s): 4** *Meets GE Area B1: Physical Science*
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1** *Meets GE Area B3: Lab*
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- GE Area B2: Life Science
- GE Area E: Lifelong Learning & Self Development

Sophomore Year: 30 Units

Fall Semester (15 Units)

- EE 220 - Electric Circuits **Unit(s): 3**
- EE 221 - Electric Circuits Laboratory **Unit(s): 1**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- GE Area C2: Humanities

Spring Semester (15 Units)

- EE 230 - Electronics I **Unit(s): 3**
- EE 231 - Electronics I Laboratory **Unit(s): 1**

- ES 210 - Digital Circuits and Logic Design **Unit(s): 4** *Meets GE Area A3: Critical Thinking*
- MATH 261 - Multivariable Calculus **Unit(s): 4**
- GE Area D: Social Sciences

Junior Year: 30 Units

Fall Semester (15 Units)

- EE 314 - Advanced Programming, Modeling, and Simulation **Unit(s): 4**
- EE 330 - Electronics II **Unit(s): 2**
- EE 345 - Probability and Statistics for Engineers **Unit(s): 3**
- EE 400 - Linear Systems Theory **Unit(s): 3**
- GE Area D: Social Sciences

Spring Semester (15 Units)

- EE 310 - Microprocessors and System Design **Unit(s): 3**
- EE 310L - Microprocessors & System Design Lab **Unit(s): 1**
- EE 442 - Analog and Digital Communications **Unit(s): 3**
- EE 442L - Analog and Digital Communications Lab **Unit(s): 1**
- EE 430 - Electromagnetic Theory and Applications **Unit(s): 3**
- GE Area C1: Arts
- University Elective

Senior Year: 29 Units

Fall Semester (14 Units)

- EE 443 - Introduction Optical Fiber Communications **Unit(s): 3**
- EE 465 - Introduction to Networking and Network Management **Unit(s): 2**
- EE 465L - Intro. to Networking and Network Management Lab **Unit(s): 1**
- EE 492 - Senior Design Project Planning **Unit(s): 1**
- EE 497 - Engineering Science Colloquium **Unit(s): 1**
- GE Area C1: Arts or Area C2: Humanities
- GE Area D: Social Sciences

Spring Semester (15 Units)

- EE 493 - Senior Design Project **Unit(s): 3**
- EE UD Elective
- EE UD Elective
- GE UD Area C: Arts or Humanities
- GE UD Area D: Social Sciences

Total Units: 120

Upper Division Area B will be met in the major (pending approval).

Computer and Engineering Science, M.S.

The Master of Science degree in Computer and Engineering Science (MS-CES) at Sonoma State University is a graduate program focused on the interconnection between electrical engineering hardware and computer science software. The 32-unit curriculum blends relevant academic coursework with practical engineering experience, thereby addressing the evolving demands upon engineering in our progressively technology-driven world. The program is recognized as a Professional Science Masters (PSM) program by the Council of Graduate Schools.

The Master of Science degree in Computer and Engineering Science (MS-CES) program emphasizes the application of Physics, Mathematics, Computer Science and/or Electrical Sciences fields to the design, analysis and synthesis of engineering problem solutions, exposes the student to management training and provides practical real-world experience through internships and graduate seminars. The MS-CES faculty is composed of professors from Sonoma State University, whose interests traverse the fields of science and engineering, as well as professionals from the local community who have cutting-edge expertise in the various engineering disciplines of interest and are qualified to be adjunct faculty at SSU. A linkage with local industry in the form of an Industry Advisory Board (IAB) is an integral part of the program. Such an advisory board is critical to ensure the Program meets local community needs. The IAB provides the program with valuable input regarding the new scientific and technological developments and educational needs of the industry. It also facilitates internship opportunities for students, joint student research/project development and supervision, faculty-scientists/engineers joint project opportunities, equipment and financial support from the industries. Through this linkage of academic learning and practical application, students obtain a solid education indispensable for working in a professional environment. The MS-CES is a self-supported program that is underwritten by local industry as well as student tuition revenue.

MSCES Program Educational Objectives

- Educate and prepare students to be independent investigators;
- Educate students to be leaders in their professions; and
- Educate students to be socially responsible engineers, committed to community service.

MSCES Program Outcomes

The students of this program will acquire:

- Knowledge of the theory of high-performance computing, communications and/or networking (and bioengineering in case of Bioengineering Track);
- Critical thinking ability and analytical and simulation tools to do system performance evaluation;
- Ability to model and analyze scientific and engineering problems.
- Ability to apply theory to design and to implement efficient computing and/or communications systems.
- Ability to integrate knowledge from multiple interrelated disciplines to formulate, design, and/or implement interdisciplinary projects;

- Ability to investigate and formulate research problems and/or design projects independently; and
- Ability to demonstrate effective written and oral communication skills.

Admission to the Program

For admission, the applicant must have:

1. A baccalaureate degree in a scientific or technical discipline from an U.S. institution accredited by an appropriate accreditation body, or an equivalent baccalaureate degree from a foreign institution of high reputation;
2. Attained grade point average of at least 2.6 (A=4.00) in the last 60 semester (90 quarter) units attempted;
3. TOEFL (Test of English as a Foreign Language) with a minimum paper-based score of 550, minimum computer-based score of 213 or minimum internet based score of 79. Sonoma State's ETS code is 4723. (This requirement does not apply to those applicants who have studied in the U.S for at least three consecutive years.)
4. Demonstrated competency in writing by one of the Written English Proficiency Test criteria for MS-CES students given below. If this requirement is to be met by writing an essay, it should be submitted with the application for admission; and
5. Completed the following SSU courses or equivalent at the undergraduate level with a GPA of 2.6 or higher:
 - 4 semesters of Calculus (MATH 161, MATH 211, MATH 241, MATH 261 and one semester of EE 345 - Probability and Statistics for Engineers;
 - 1 semester of each of the following subjects: EE 220 - Electric Circuits, EE 221 - Electric Circuits Laboratory, EE 230 - Electronics I, EE 231 - Electronics I Laboratory, and ES 210 - Digital Circuits and Logic Design;
 - 1 semester of Programming in an approved high level Procedural Language, modeling and simulation (CS 115); and
 - EE 310 - Microprocessors and System Design
 - EE 310L - Microprocessors & System Design Lab

Whenever possible, the department offers highly intense and compressed courses such as CES 490 which cover the material necessary to satisfy the prerequisite requirements in an expeditious manner. Please contact the department office for more information regarding such offerings.

Conditional Admission

The applicants whose GPA is less than 2.6 but greater than 2.5, or who lack not more than 18 units of prerequisite work (generally, 6 courses), may be accepted conditionally and must complete a program of study specified by the graduate coordinator at the time of admission before being given full admission.

Written English Proficiency Test Requirement

All students are required to demonstrate competency in written English. A student can satisfy the Written English Proficiency Test (WEPT) requirement by meeting any one of the following five criteria:

1. A student who has obtained his/her bachelor's degree from a CSU institution will be deemed to have satisfied the WEPT requirement.
2. A student who has obtained a bachelor's degree and a master's degree from an accredited institution(s) with English as the medium of instruction for both the degree programs will be deemed to have satisfied the WEPT requirement.
3. A student who scores at least 3.5 in the analytical writing portion of the GRE test will be deemed to have satisfied the WEPT requirement.
4. A student who takes and passes the campus WEPT test.
5. A student may write and submit an article of at least 500 words in length to demonstrate his/her writing proficiency in English. It will be evaluated by the MS-CES curriculum committee for (i) competent analysis of complex ideas, (ii) development and support of main points with the relevant reasons and/or examples, (iii) organization of ideas, (iv) ease in conveying meaning with reasonable clarity, and, (v) demonstration of satisfactory control of sentence structure and language (including spelling, punctuation, and proper use of grammar). If accepted by the curriculum committee, the student will be deemed to have satisfied the WEPT requirement.

Concurrent MBA and MS in Computer & Engineering Science (MSCES) Degree Programs

The MBA and MSCES programs can be taken concurrently, and completed in as little as 2.5 years. By achieving these two master's degrees, students prepare themselves for careers in technology management. Students must meet all admission and graduation requirements for both programs. Some cross-listed courses may apply to the degree requirements of both programs. Please contact the department office for more information.

Degree Requirements

The program requires completion of a total of 32 semester hours.

The Culminating Experience requirement can be completed in one of two different ways, referred to as Plan A (thesis), or Plan B (design project). In addition, a student must also demonstrate that he/she has acquired proficiency in written English.

Duration of Program Completion

The entire Program requires 32 (Plan A and B) semester hours to complete. A full-time student taking 9 semester hours of average load per semester can complete the 32-unit Program in four semesters, and a working professional taking 6 semester hours of average load per semester is likely to complete this program in 6 semesters.

Student Mentoring Plan

Each student in a program is assigned a faculty advisor who helps the student develop a plan of study based on his/her interest. The faculty advisor monitors the student's progress and addresses any difficulties that the student may be having in making satisfactory progress in the program. At an appropriate time, generally midway through the completion of the coursework, the student is advised to choose a master's project guide, who then takes over as the student's mentor. The role of the two

mentors is to guide and prepare the student to succeed in the real world and be a leader in his/her field of work.

Culminating Experience through Thesis/Design Project/Lab and Technical Report Experience

All students are required to complete a culminating experience which may take one of the following forms:

- Research and Thesis (Plan A)
- Design Project (Plan B)

A supervisory committee is appointed for the students who choose Plan A or Plan B. A supervisory committee consists of three faculty members. One of the three members can be an adjunct faculty. A student interested in choosing Plan A or B chooses a faculty member to be his/her thesis/project supervisor. Subsequently, the faculty supervisor becomes chairman of the student's supervisory committee. In consultation with the faculty supervisor, two other members of the committee are selected.

Under Plan A, a student chooses to do thesis research and write a thesis under the guidance of the faculty supervisor and members of the supervisory committee.

Under Plan B, a student chooses to prepare a design project focused on the design of devices, instruments, or systems. As in the case of Plan A, the project is mentored by the student's faculty supervisor and members of the supervisory committee.

Upon approval by the student's supervisory committee, the thesis research or design project may be carried out at the student's place of employment under the supervision of an approved senior scientist/engineer of the company. However, an SSU faculty supervisor must oversee the research/project and regularly examine the student's progress. It is expected but not required, that the results of the research/project will be presented in an appropriate technical conference and/or published in a relevant professional journal.

Internship Requirement

As a part of the culminating experience, each MS-CES student is required to do an internship in an industry, university, laboratory, utility company, government organization, etc. The objectives of the internship must be to gain hands-on training in dealing with and solving real-world engineering problems within the scope of the student's plan of study, develop teamwork and presentation skills and develop an understanding of the differences in ideal and real world situations. The internship must be completed within one semester. The number of hours worked as an intern should be at least 45, preferably much more. The supervisory committee's and graduate coordinator's approval must be obtained before starting the internship. After completion of the internship, a report of the performed work and achievements certified by the intern's supervisor must be submitted to the supervisory committee and department for its acceptance.

Students with industrial experience can petition for a waiver of the internship requirement. However, the petition may be considered by the student's supervisory committee and the graduate coordinator of

the MS-CES program only if the student can support the petition with proper supporting evidence that he/she fulfills this requirement based on his/her past industrial experience.

GPA Requirements

All MS-CES courses must be completed with a B- or better.

Laboratories

The program has the following eight state-of-the-art laboratories in various areas of interest located in the Cerent Engineering Sciences Complex in Salazar Hall.

- AFC Access Technologies Laboratory
- Agilent Technologies Communications Laboratory
- Rolf Illsley Photonics Laboratory
- William Keck Microanalysis Laboratory
- Networking Laboratory
- Human-Computer Interaction and Systems Laboratory
- Software Engineering Laboratory
- Electronics Laboratory

These labs provide excellent facilities to our students and faculty for hands-on experience, research, project development, implementation, and testing. Many of these labs are sponsored by the high-tech industries in the North Bay region of the San Francisco area.

Program of Study

A student's program of study consists of the following four components: a common core, a track core, culminating experience, and technical electives. Details of these components are as follows.

Common Core Curriculum

(11 units)

- CES 400 - Linear Systems Theory **Unit(s): 3**
- CES 440 - Introduction to Networking and Network Management **Unit(s): 3**
- CES 506 - Operations Management **Unit(s): 3**
- CES 591 - Internship **Unit(s): 1**
- CES 597 - Graduate Seminar **Unit(s): 1**

Culminating Experience

Research and Thesis (Plan A): 6 units of Culminating Experience

Design Project (Plan B): 3 units of Culminating Experience

Approved Technical Electives

(Plan A: 15 units; Plan B: 18 units)

Choose from the following list of courses, depending on their offering:

- CES 430 - Photonics **Unit(s): 3**
- CES 432 - Physics of Semiconductor Devices **Unit(s): 3**
- CES 500 - Queuing and Transform Theory **Unit(s): 3**
- CES 510 - Intelligent Systems Design **Unit(s): 3**
- CES 512 - Theory of Software Systems **Unit(s): 3**
- CES 514 - Data Mining **Unit(s): 3**
- CES 516 - High-Performance Computing **Unit(s): 3**
- CES 520 - Embedded Systems **Unit(s): 3**
- CES 522 - VLSI Design **Unit(s): 3**
- CES 524 - Advanced Computer Architecture **Unit(s): 3**
- CES 530 - Analog and Digital Microelectronics **Unit(s): 3**
- CES 532 - Advanced Photonics Devices **Unit(s): 3**
- CES 540 - Digital Data Transmission **Unit(s): 3**
- CES 542 - Digital Signal Processing **Unit(s): 3**
- CES 543 - Optical Fiber Communications **Unit(s): 3**
- CES 544 - Wireless Communication **Unit(s): 3**
- CES 547 - Digital Switching: Techniques and Architectures **Unit(s): 3**
- CES 552 - Network Architecture and Protocols **Unit(s): 3**

Electrical Engineering, Minor

The Department offers a minor program in EE to provide an opportunity to any non-EE major student interested in gaining ability and training in the field of Electrical Engineering. Students interested in receiving a minor in Electrical Engineering require 10 units to 40 units depending upon the student's major field of study and the units available as free electives in the major that can be used by the EE minor program. The EE minor requirements are as follows.

Course Requirements

To minor in Electrical Engineering, students must complete 23 units of Electrical Engineering courses: 14 units of core courses and 9 units of electives and 17 units of support courses in Mathematics, Physics as follows:

Core Courses (14 Units):

- EE 110 - Introduction to Engineering and Laboratory Experience **Unit(s): 1**
- EE 112 - Fundamentals of Digital Logic Design **Unit(s): 1**
- ES 210 - Digital Circuits and Logic Design **Unit(s): 4**
- EE 220 - Electric Circuits **Unit(s): 3**
- EE 221 - Electric Circuits Laboratory **Unit(s): 1**
- EE 230 - Electronics I **Unit(s): 3**
- EE 231 - Electronics I Laboratory **Unit(s): 1**

Electives From The Following List (9 units):

- EE 310 - Microprocessors and System Design **Unit(s): 3**
- EE 310L - Microprocessors & System Design Lab **Unit(s): 1**
- EE 314 - Advanced Programming, Modeling, and Simulation **Unit(s): 4**
- EE 330 - Electronics II **Unit(s): 2**
- EE 400 - Linear Systems Theory **Unit(s): 3**
- EE 430 - Electromagnetic Theory and Applications **Unit(s): 3**
- EE 432 - Physical Electronics **Unit(s): 3**
- EE 442 - Analog and Digital Communications **Unit(s): 3**
- EE 442L - Analog and Digital Communications Lab **Unit(s): 1**
- EE 445 - Photonics **Unit(s): 3**
- EE 465 - Introduction to Networking and Network Management **Unit(s): 2**
- EE 465L - Intro. to Networking and Network Management Lab **Unit(s): 1**

Support Courses

Additional support courses may be needed depending upon the electives chosen. For example, EE 400 - Linear Systems Theory requires a prerequisite of MATH 241 - Linear Algebra with Applications in Differential Equations and EE 314 requires a prerequisite of CS 115.

- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

Units

Total units without support courses: 23

Total units including support courses: 40

Grade Requirement

The student must complete each course applied towards minor or major in Electrical Engineering with a grade of C or higher.

Pathway Examples

Examples of the pathways to minor in EE by the students majoring in Chemistry, Computer Science, Mathematics, and Physics disciplines are posted on the department website at the url www.sonoma.edu/engineering/bsee/ee_minor.html. The interested students should contact ES Department for advising and developing a plan of study.

Geology

Department Office
Darwin Hall 116
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geology.sonoma.edu/

Department Chair
Matty Mookerjee

For faculty information, please see Faculty or the Geology faculty web page.

Geology is the study of the materials, structures, processes, and history of the earth. Philosophically, it allows us to realize our place in the physical universe within the enormity of geologic time. Practically, it leads to understanding of Earth processes, the formation of rocks and minerals, and the energy supplies and materials that support our civilization.

The evolution of modern geologic thought is based on field studies and empiricism. A solid foundation in quantitative field and laboratory analysis provides a firm background in the principles of geology. Students take a fundamental curriculum that concentrates on the analysis of rocks and minerals, geologic mapping, and report writing. Required courses in physics, chemistry, and mathematics support understanding of geologic principles.

Careers in Geology and Earth Science

Within the general field of geology, students may choose from major programs that lead to either a B.S. in Geology or a B.A. in Earth Science. The B.S. in Geology provides an excellent background for graduate school and for work in geology in such fields as engineering geology, environmental geology, hydrology, and mineral exploration. Many of our geology graduates work for consulting firms with specialties in one or more of these areas. The B.A. in Earth Science provides our students with the background to become teachers, environmental consultants, to work in the energy industry or in governmental positions. Because of the selectivity involved in choosing a program that meets their own particular interests and goals, students must consult with a departmental advisor about their plan of study and their course load each semester.

Earth Science, B.A.

The Earth Science B.A. is designed to provide students with a firm foundation in the geological sciences. A diversity of elective courses allow students interested in related fields to build a supplementary minor. It provides a clear path to graduation and is ideal for students pursuing careers in earth science education, state agencies, environmental geology, and hydrogeology.

Degree Requirements

Units

General education (48 units, 9 units satisfied by major requirements)39

Major requirements

51

Supporting courses	10-14
General electives	14-18
Total units needed for graduation	120

Required Major Core Courses

Choose one 100-level Geology course:

- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- GEOL 105 - The Age of Dinosaurs **Unit(s): 3**
- GEOL 107 - Introduction to Earth Science **Unit(s): 3**
- GEOL 110 - Natural Disasters **Unit(s): 3**
- GEOL 120 - Regional Field Geology **Unit(s): 3**

Both of the following:

- GEOL 303 - Advanced Principles of Geology **Unit(s): 4**
- GEOL 304 - Geologic Mapping and Report Writing **Unit(s): 1**

Choose two of the following 300-level courses:

- GEOL 307 - Igneous and Metamorphic Petrology **Unit(s): 4**
AND
- GEOL 308 - Igneous and Metamorphic Petrology Field Course **Unit(s): 1**
- GEOL 311 - Sedimentary Geology **Unit(s): 4**
AND
- GEOL 312 - Sedimentary Geology Field Course **Unit(s): 1**
- GEOL 313 - Paleontology **Unit(s): 4**
AND
- GEOL 314 - Paleontology Field Course **Unit(s): 1**
- GEOL 317 - Structural Geology **Unit(s): 4**
AND
- GEOL 318 - Structural Geology Field **Unit(s): 1**

Major Electives

Choose 33 additional units of Earth Science-related courses in consultation with a major advisor. See list of suggested courses on the following page. Major Elective courses must be approved by a major advisor. At least 20 units must be 200-level or above, and at least 15 units must be Geology courses.

Required Supporting Courses

- MATH 160 - Precalculus Mathematics **Unit(s): 4 OR**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 OR**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

- CHEM 102 - Chemistry and Society **Unit(s): 3 OR**
- CHEM 110 - Introductory General Chemistry **Unit(s): 3 OR**
- CHEM 115A - General Chemistry **Unit(s): 5**

- Any 100 or 200-level Physics or Astronomy course

Units

Total units in major electives: 33

Total units in supporting courses: 10-14

Total units in the major core: 61-65*

Secondary Education Teaching Preparation

Secondary Education Teaching Credential Preparation-Geology, Earth Science

Suggested Major Elective Courses

Geology

- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- GEOL 105 - The Age of Dinosaurs **Unit(s): 3**
- GEOL 107 - Introduction to Earth Science **Unit(s): 3** *Highly recommended for students pursuing a teaching credential*
- GEOL 110 - Natural Disasters **Unit(s): 3**
- GEOL 120 - Regional Field Geology **Unit(s): 3**
- GEOL 205 - Mineralogy **Unit(s): 4**
- GEOL 301 - Natural History of the Hawaiian Islands **Unit(s): 3**
- GEOL 302 - Climate Change: Discerning Fact from Fiction **Unit(s): 3**
- GEOL 306 - Environmental Geology **Unit(s): 3**
- GEOL 307 - Igneous and Metamorphic Petrology **Unit(s): 4**
- GEOL 308 - Igneous and Metamorphic Petrology Field Course **Unit(s): 1**
- GEOL 310 - Geophysics **Unit(s): 4**
- GEOL 311 - Sedimentary Geology **Unit(s): 4**
- GEOL 312 - Sedimentary Geology Field Course **Unit(s): 1**
- GEOL 313 - Paleontology **Unit(s): 4**
- GEOL 314 - Paleontology Field Course **Unit(s): 1**
- GEOL 317 - Structural Geology **Unit(s): 4**

- GEOL 318 - Structural Geology Field **Unit(s): 1**
- GEOL 320 - Basin Analysis **Unit(s): 4**
- GEOL 321 - Burgess Shale Paleontology **Unit(s): 3**
- GEOL 323 - Hydrology **Unit(s): 3**
- GEOL 326 - Stratigraphy and Earth History **Unit(s): 4**
- GEOL 420 - Integrative Field Experience **Unit(s): 4**
- GEOL 427 - Advanced Field Geology **Unit(s): 4**
- GEOL 422 - Geochemistry **Unit(s): 3**
- GEOL 425 - Economic Geology **Unit(s): 3**
- GEOL 495 - Special Studies **Unit(s): 1-4**

Anthropology

- ANTH 201 - Introduction to Biological Anthropology **Unit(s): 3**
- ANTH 202 - Introduction to Archaeology **Unit(s): 3**
- ANTH 301 - Human Fossils and Evolution **Unit(s): 4**
- ANTH 322 - Historical Archaeology **Unit(s): 4**
- ANTH 325 - World Prehistory **Unit(s): 4**

Studio Art

- ARTS 202 - Beginning Drawing **Unit(s): 3**

Astronomy

- ASTR 100 - Descriptive Astronomy **Unit(s): 3**
- ASTR 231 - Introduction to Observational Astronomy **Unit(s): 2**
- ASTR 350 - Cosmology **Unit(s): 3**

Biology

- BIOL 312 - Biological Oceanography **Unit(s): 3**
- BIOL 333 - Ecology **Unit(s): 4**
- BIOL 335 - Marine Ecology **Unit(s): 4**

Geography Environment and Planning

- GEP 200 - Global Environmental Issues **Unit(s): 3**
- GEP 201 - Global Environmental Systems **Unit(s): 3**
- GEP 323 - Resource Management & Development in Global Perspective **Unit(s): 4**
- GEP 340 - Applied Ecology **Unit(s): 3-4**
- GEP 341 - Conservation Biology **Unit(s): 3-4**
- GEP 350 - Geomorphology **Unit(s): 4**
- GEP 355 - Weather and Climate **Unit(s): 3**
- GEP 373 - Energy, Technology, and Society **Unit(s): 4**

- GEP 380 - Environmental Remote Sensing **Unit(s): 4**
- GEP 387 - Introduction to Geographic Information Systems **Unit(s): 4**
- GEP 440 - Field Methods **Unit(s): 2**
- GEP 441 - Lab Methods **Unit(s): 2**
- GEP 496 - Selected Topics **Unit(s): 1-4**

Sample Four-Year Program

Earth Science, B.A.

Freshman Year: 30 Units

Fall Semester (16 Units)

- Major Core I *
- GE

Spring Semester (14 Units)

- MATH 107 **Unit(s): 4 ***
- CHEM 110 - Introductory General Chemistry **Unit(s): 3**
- GE

Sophomore Year: 30 Units

Fall Semester (15 Units)

- GEOL 303 **Unit(s): 4 ****
- GEOL 304 **Unit(s): 1**
- GEOL Electives
- GE

Spring Semester (15 Units)

- Major Core II
- PHYS 100 - Descriptive Physics **Unit(s): 3**
- PHYS 102 - Descriptive Physics Laboratory **Unit(s): 1**
- GE

Junior Year: 29 Units

Fall Semester (13 Units)

- Major Core II

- GEOL Electives
- Upper Division GE

Spring Semester (16 Units)

- GEOL Electives
- Upper Division GE
- GE

Senior Year: 31 Units

Fall Semester (16 Units)

- GEOL Electives
- GE

Spring Semester (15 Units)

- GEOL Elective
- Upper Division GE
- GE
- General Electives

Total Semester Units: 120

** Fulfills GE B4 requirement*

*** Fulfills upper division and GE B3 requirement*

Sample Two-Year Program for Transfer Students

Earth Science, B.A.

Junior Year: 30 Units

Fall Semester (15 Units)

- GEOL 303 **Unit(s): 4** **
- GEOL 304 **Unit(s): 1**
- GEOL Electives
- CHEM 110 - Introductory General Chemistry **Unit(s): 3**

Spring Semester (15 Units)

- Major Core II
- GEOL Elective
- MATH 165 - Elementary Applied Statistics **Unit(s): 4** *
- GE

Senior Year: 32 Units

Fall Semester (16 Units)

- Major Core II
- GEOL Electives
- Upper Division GE

Spring Semester (16 Units)

- GEOL Electives
- Upper Division GE

Total Units: 62

* *Fulfills GE B4 requirement*

** *Fulfills upper division and GE B3 requirement*

Geology, B.S.

This plan is intended to give the student basic professional competence in geology. A calculus-based series of support courses is highly recommended for students intending to pursue a more quantitative geoscience career. It provides an excellent foundation for graduate school or a professional career in the geosciences such as a Professional Geologist, Hydrologist, or Geophysicist registered with the State of California.

Degree Requirements	Units
General education	39*
Major requirements	50
Supporting courses	22-24
General electives	5-7

Total units needed for graduation120

* *The standard 48 units of GE are reduced by 3 units each from GEOL 102, GEOL 303, and MATH 161, which are major requirements. These three classes satisfy requirements in GE categories B1, B3, and B4, respectively.*

Major Core Requirements

- GEOL 205 - Mineralogy **Unit(s): 4**
- GEOL 205A - Mineralogy, Optics **Unit(s): 2**
- GEOL 303 - Advanced Principles of Geology **Unit(s): 4 ***
- GEOL 304 - Geologic Mapping and Report Writing **Unit(s): 1**
- GEOL 307 - Igneous and Metamorphic Petrology **Unit(s): 4**
- GEOL 308 - Igneous and Metamorphic Petrology Field Course **Unit(s): 1**
- GEOL 309 - Computer Applications in Geology **Unit(s): 4**
- GEOL 311 - Sedimentary Geology **Unit(s): 4**
- GEOL 312 - Sedimentary Geology Field Course **Unit(s): 1**
- GEOL 313 - Paleontology **Unit(s): 4**
- GEOL 314 - Paleontology Field Course **Unit(s): 1**
- GEOL 317 - Structural Geology **Unit(s): 4**
- GEOL 318 - Structural Geology Field **Unit(s): 1**
- GEOL 420 - Integrative Field Experience **Unit(s): 4**
- GEOL 427 - Advanced Field Geology **Unit(s): 4**

Major Electives

Choose 9 units of upper-division geology electives in consultation with a departmental advisor.

Required Supporting Courses

*** GEOL 310 may be substituted.*

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**

- PHYS 114 - Introduction to Physics I **Unit(s): 4**
OR
- PHYS 210A - General Physics **Unit(s): 3**

- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1 ****
OR
- PHYS 209A - General Physics Laboratory **Unit(s): 1 ****

- PHYS 214 - Introduction to Physics II **Unit(s): 4 ****
OR
- PHYS 210B - General Physics **Unit(s): 3 ****

- PHYS 216 - Introductory Laboratory **Unit(s): 1 ****
OR
- PHYS 209B - General Physics Laboratory **Unit(s): 1 ****

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4 ***

Units

Total units in the major core: 41

Total units in major electives: 9

Total units in supporting courses: 22-24

Total units in the major: 72-80

Secondary Education Teaching Preparation

Secondary Education Teaching Credential Preparation-Geology, Earth Science

Sample Four-Year Program

Geology, B.S.

Freshman Year: 29 Units

Fall Semester (14 Units)

- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- CHEM 115A - General Chemistry **Unit(s): 5**
- GE

Spring Semester (15 Units)

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- CHEM 115B - General Chemistry **Unit(s): 5**
- GE

Sophomore Year: 29 Units

Fall Semester (15 Units)

- GEOL 303 - Advanced Principles of Geology **Unit(s): 4**
- GEOL 304 - Geologic Mapping and Report Writing **Unit(s): 1**
- GEOL 309 - Computer Applications in Geology **Unit(s): 4**
- GE
- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**

Spring Semester (14 Units)

- GEOL 311 - Sedimentary Geology **Unit(s): 4**
- GEOL 312 - Sedimentary Geology Field Course **Unit(s): 1**
- GE
- GEOL 205 - Mineralogy **Unit(s): 4**

Junior Year: 29 Units

Fall Semester (13 Units)

- GEOL 313 - Paleontology **Unit(s): 4**
- GEOL 314 - Paleontology Field Course **Unit(s): 1**
- GEOL 307 - Igneous and Metamorphic Petrology **Unit(s): 4**
- GEOL 308 - Igneous and Metamorphic Petrology Field Course **Unit(s): 1**
GE

Spring Semester (15 Units)

- GEOL 310 - Geophysics **Unit(s): 4**
- GEOL 323 - Hydrology **Unit(s): 3**
Geology Elective
GE

Senior Year: 30 Units

Fall Semester (15 Units)

- GE
- Geology Elective
- GEOL 317 - Structural Geology **Unit(s): 4**
- GEOL 318 - Structural Geology Field **Unit(s): 1**
Geology Elective
GE

Spring Semester (15 Units)

- GEOL 420 - Integrative Field Experience **Unit(s): 4**
- Geology Elective
- GE

Senior Summer: 4 Units

- GEOL 427 - Advanced Field Geology **Unit(s): 4**
GE

Total Semester Units: 120

Sample Two-Year Program for Transfer Students

Geology, B.S.

Junior Year: 33 Units

Fall Semester (18 Units)

- GEOL 303 - Advanced Principles of Geology **Unit(s): 4**
- GEOL 304 - Geologic Mapping and Report Writing **Unit(s): 1**
- GEOL 309 - Computer Applications in Geology **Unit(s): 4**
- CHEM 115A - General Chemistry **Unit(s): 5**
- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**

Spring Semester (18 Units)

- GEOL 205 - Mineralogy **Unit(s): 4**
- GEOL 311 - Sedimentary Geology **Unit(s): 4**
- GEOL 312 - Sedimentary Geology Field Course **Unit(s): 1**
- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**

Senior Year: 31 Units

Fall Semester (15 Units)

- GEOL 317 - Structural Geology **Unit(s): 4**
- GEOL 318 - Structural Geology Field **Unit(s): 1**
- GEOL 313 - Paleontology **Unit(s): 4**
- GEOL 314 - Paleontology Field Course **Unit(s): 1**
- GEOL 307 - Igneous and Metamorphic Petrology **Unit(s): 4**
- GEOL 308 - Igneous and Metamorphic Petrology Field Course **Unit(s): 1**

Spring Semester (13 Units)

- GEOL 310 - Geophysics **Unit(s): 4**
- GEOL 323 - Hydrology **Unit(s): 3**
- GEOL 420 - Integrative Field Experience **Unit(s): 4**
Geology Elective

Senior Summer: 4 Units

- GEOL 427 - Advanced Field Geology **Unit(s): 4**

Total Semester Units: 68

Paleontology, Minor

Program Coordinator

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The Minor in Paleontology offers students from any major on the SSU campus a cross-disciplinary concentration in the study of ancient life on Earth. Paleontology is by its very nature an inter-disciplinary field of study, blending both laboratory and field studies of modern organisms and extinct organisms. Some paleontologists approach the field from a geological perspective, and others approach it from a biological perspective. For a Minor in Paleontology, students must complete 20 units as described below.

Minor Core Requirements

- GEOL 102 - Our Dynamic Earth: Introduction to Geology **Unit(s): 3**
- GEOL 313 - Paleontology **Unit(s): 4**

Minor Electives

In addition to the Minor Core, choose 13 units of electives from other paleontology courses and/or courses with an emphasis on interpreting the history of life on Earth, and at least 1 unit that is a field course (marked by asterisk below). All SSU majors may select the Minor in Paleontology, and if you are majoring in either Biology or Geology, at least 3 upper division elective units must be from outside your home department. Additional courses may be counted toward the minor with approval of one of the minor advisors above. The 9 elective units must include at least one 4-unit upper division course with a laboratory from the following list:

** Field courses – one course is required for the minor*

*** 4-unit laboratory course– one course is required for the minor Some of these elective courses above might have additional prerequisites not listed here. Refer to the University catalog for additional information.*

- ANTH 301 - Human Fossils and Evolution **Unit(s): 4**
- ANTH 326 - Topics in Archaeology **Unit(s): 4**
- ANTH 412 - Human Osteology **Unit(s): 4**
- ANTH 415 - Forensic Anthropology Methods **Unit(s): 4 †**
- BIOL 220 - Human Anatomy **Unit(s): 4 †**
- BIOL 322 - Invertebrate Biology **Unit(s): 4 †**
- BIOL 327 - Vertebrate Biology **Unit(s): 4 †**
- BIOL 328 - Vertebrate Evolutionary Morphology **Unit(s): 4 †**
- BIOL 385 - Biology of the Dinosaurs **Unit(s): 3**
- GEOG 370 - Weather and Climate **Unit(s): 4**
- GEOL 105 - The Age of Dinosaurs **Unit(s): 3**
- GEOL 120 - Regional Field Geology **Unit(s): 3**
- GEOL 302 - Climate Change: Discerning Fact from Fiction **Unit(s): 3**
- GEOL 303 - Advanced Principles of Geology **Unit(s): 4 ****
- GEOL 304 - Geologic Mapping and Report Writing **Unit(s): 1 ***
- GEOL 314 - Paleontology Field Course **Unit(s): 1 ***
- GEOL 321 - Burgess Shale Paleontology **Unit(s): 3 ***
- GEOL 326 - Stratigraphy and Earth History **Unit(s): 4 ****
- GEP 356 - Global Climate Change: Past, Present, and Future **Unit(s): 4**

Units

Total units in the minor core: 7

Total units in the minor: 13

Total units for the paleontology minor: 20

Mathematics and Statistics

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Sunil Tiwari

About Mathematics

Mathematics is a rapidly growing discipline whose concepts and applications play an ever-increasing part in modern life. Mathematics has always been an essential tool in the physical sciences, and has more recently been applied extensively in such diverse areas as medical and biological research, environmental studies, economics, management science, behavioral and social sciences, statistics, and computer science.

Our basic curriculum is designed to give students the mathematical skills necessary for success in business, industry, government, and teaching, as well as to provide a sound background for continuation of study toward advanced degrees in mathematics, computer science, statistics, and related fields.

The B.A. in mathematics provides preparation for teaching, general application of mathematics, and graduate study in mathematics. The bi-disciplinary concentration allows a student to combine mathematics with another discipline.

The B.S. in mathematics has a concentration in applied mathematics. This program prepares students for graduate study in mathematics and for work in a variety of other fields: computer science, work in government and industry, biostatistics, actuarial work, and consultative problem-solving in modern industry.

Degree Requirements	Units
General education (48, 8 in major)	42
Major	46-55
Electives	25-28
Total units needed for graduation	120

About Statistics

Mathematics and statistics are rapidly growing disciplines whose concepts and applications play an ever-increasing part in modern life. Statistics has long been an essential tool in the physical sciences and has more recently been applied extensively in such diverse areas as medical and biological research, environmental studies, management science, behavioral and social sciences, and economics. Our basic curriculum is designed to give students the skills necessary for success in business, industry, government, and teaching. In addition, these degrees will provide a sound background for continuation of study toward advanced degrees in statistics, or a quantitative foundation for graduate school in disciplines such as business, economics, biology, or other fields.

The B.A. in applied statistics is intended for students pursuing a degree in another discipline such as economics, psychology, biology, or others. These students may be interested in taking more statistics classes to prepare themselves for jobs in industry or success in graduate school in another field. The B.A. allows upper-division units from another major to count as part of the "area of concentration," and is focused on developing practical skills such as regression analysis and ANOVA, and on gaining proficiency with statistical software packages commonly used in industry and research. Students are strongly encouraged to earn the B.A. as part of a double major in a complementary field.

The B.S. in statistics is a rigorous program for students who intend to pursue a career as a statistician or who wish to go to graduate school in statistics or mathematics. Students earning the B.S. will learn the same practical skills as those taking the B.A. Additionally, they will take theoretical courses in linear algebra, analysis, mathematical statistics, and stochastic processes. This program follows the guidelines proposed by the American Statistical Association in the Curriculum Guidelines for Undergraduate Programs in Statistical Science.

Both programs will prepare students for work in areas including government and industry, biostatistics, actuarial work, and consultative problem-solving in modern industry.

Careers in Statistics and Actuarial Sciences

According to the American Statistical Association the demand for statisticians in the workforce is dramatically increasing. Statisticians can find employment in a variety of fields. Biomedical, pharmaceutical, engineering and marketing companies, and government agencies seek employees with statistical skills to analyze large data sets. Many students find lucrative jobs as SAS programmers.

In addition, statistics students with an interest in finance or economics will be interested in pursuing a career as an actuary. The courses in both the B.A. and B.S. provide a solid preparation for the first actuarial exam and the Applied Statistical Methods educational experience credit. Actuaries have been ranked in the top 5 careers in the US for salary and job satisfaction since 1988.

Learning Objectives for the B.A. and B.S.

- Describe data sets using appropriate numerical and graphical techniques;
- Develop mathematical tools necessary to perform statistical calculations and to understand distributions and statistical theory;
- Design experiments and survey sampling methods that allow results to be statistically analyzed to test hypotheses;

- Determine which statistical analyses are suitable, perform the analyses using technology, and assess the validity of necessary assumptions and interpret the results;
- Construct and apply probability models for both discrete and continuous random variables; and
- Communicate with non-statisticians in written and oral formats to learn what a client is interested in ascertaining and to present the results from a statistical analysis.

Additionally, for the B.S. in statistics:

- Construct and verify mathematical proofs;
- Discuss properties of estimators and explain the rationale and assumptions behind statistical procedures; and
- Apply stochastic models to solve real-world problems.

Grading Policy in the Department of Mathematics and Statistics

Non-majors

All mathematics courses except MATH 103, MATH 104, MATH 105, MATH 111, MATH 131, MATH 141, MATH 150, MATH 160, MATH 161X, and MATH 165, MATH 165X are available in the Cr/NC grading mode to non-mathematics majors.

All Students

MATH 131A, MATH 150A, MATH 160W, MATH 161W, MATH 161A, MATH 165A, MATH 175, MATH 210, MATH 211W, MATH 295, MATH 330, MATH 390, MATH 395, MATH 499 are available only as Cr/NC.

Mathematics and Statistics Majors and Minors

A mathematics and statistics major or minor must take all mathematics courses used to meet major requirements in the traditional grading mode, with the exceptions of courses offered only in the CR/NC modes and any course taken as credit by challenge examination (please see more information on this in the Admissions section of this catalog).

Applied Mathematics Concentration

This B.S. concentration prepares students for employment in industry and graduate schools in scientific fields.

Note: *Students considering graduate school in mathematics are advised to also take MATH 320*

Core Curriculum 22 Units

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 316 - Graph Theory and Combinatorics **Unit(s): 4 OR**
- MATH 416 - Graph Theory and Combinatorics **Unit(s): 4 OR**
- MATH 445 - Mathematical Statistics and Operations Research **Unit(s): 4**
- MATH 322 - Linear Algebra **Unit(s): 4**
- MATH 345 - Probability Theory **Unit(s): 4**

- MATH 352 - Numerical Analysis **Unit(s): 4**
- MATH 431 - Applied Partial Differential Equations **Unit(s): 4**
- MATH 470 - Mathematical and Statistical Modeling **Unit(s): 4**

Supporting Courses

- PHYS 114 - Introduction to Physics I **Unit(s): 4**

Units

Total units in applied mathematics program: 54

Sample Four-Year Program

Mathematics, B.S., Applied Mathematics Concentration

Freshman Year: 30 Units

Fall Semester (15 Units)

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- Freshman Learning Community
- GE
- MATH 175 - Mathematics Colloquium **Unit(s): 1**

Spring Semester (15 Units)

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- GE

Sophomore Year: 30 Units

Fall Semester (15 Units)

- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- MATH 180 - Computing for Mathematics and Science **Unit(s): 2**
- GE

Spring Semester (15 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- GE

- Elective

Junior Year: 30 Units

Fall Semester (15 Units)

- MATH 470 - Mathematical and Statistical Modeling **Unit(s): 4**
- MATH 345 - Probability Theory **Unit(s): 4**
- UD GE
- Elective

Spring Semester (15 Units)

- MATH 316 - Graph Theory and Combinatorics **Unit(s): 4**
- MATH 416 - Graph Theory and Combinatorics **Unit(s): 4**
- MATH 322 - Linear Algebra **Unit(s): 4**
- MATH 375 - M*A*T*H Colloquium **Unit(s): 1**
- UD GE
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- MATH 352 - Numerical Analysis **Unit(s): 4**
- MATH 340 - Real Analysis I **Unit(s): 4**
- UD GE
- Elective (e.g. MATH 320)

Spring Semester (15 Units)

- MATH 431 - Applied Partial Differential Equations **Unit(s): 4**
- MATH 445 - Mathematical Statistics and Operations Research **Unit(s): 4**
- Electives

Total Units: 120

Applied Statistics, B.A.

Degree Requirements	Units
General education (48 units, 4 units covered by major requirements)	46
Major (includes 4 units in GE)	38

Required Area of Concentration	12
Electives	26
Total units needed for graduation	120

Major Requirements

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 265 - Intermediate Applied Statistics with SPSS **Unit(s): 4**
- MATH 345 - Probability Theory **Unit(s): 4**
- MATH 367 - Statistical Consulting and Communication **Unit(s): 2**
- MATH 381 - Computing for Statistics: SAS Programming Language **Unit(s): 2**
- MATH 465 - Experimental Design and Regression Analysis **Unit(s): 4**
- MATH 467 - Statistical Consulting, Communication, and Project Management **Unit(s): 2**

Required Area of Concentration:

Upper-division courses in one other field chosen in consultation with and approved by an advisor in the Department of Mathematics and Statistics

Units

Total units in applied statistics program: 38

Total units in B.A. program: 50

Sample Four-Year Program

Bachelor of Arts in Applied Statistics

Freshman Year: 28 Units

Fall Semester (13 Units)

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- Freshman Learning Community

Spring Semester (15 Units)

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 265 - Intermediate Applied Statistics with SPSS **Unit(s): 4**
- Freshman Learning Community
- GE

Sophomore Year: 31 Units

Fall Semester (15 Units)

- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 367 - Statistical Consulting and Communication **Unit(s): 2**
- GE
- Elective

Spring Semester (16 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- GE
- Elective

Junior Year: 31 Units

Fall Semester (16 Units)

- MATH 345 - Probability Theory **Unit(s): 4**
- Area of Concentration
- Electives
- UD GE

Spring Semester (15 Units)

- MATH 381 - Computing for Statistics: SAS Programming Language **Unit(s): 2**
- MATH 465 - Experimental Design and Regression Analysis **Unit(s): 4**
- Area of Concentration
- GE
- UD GE

Senior Year: 30 Units

Fall Semester (15 Units)

- MATH 467 - Statistical Consulting, Communication, and Project Management **Unit(s): 2**
- Area of Concentration
- UD GE
- Electives

Spring Semester (15 Units)

- Area of Concentration
- GE
- Electives

Total Units: 120

Bi-disciplinary Mathematics Concentration

This B.A. concentration allows a student to combine mathematics with another discipline.

Major Requirements

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

22 additional units

22 additional units selected from the following list, including a minimum of 14 at the upper-division level:

- MATH 165 - Elementary Applied Statistics **Unit(s): 4 OR**
- MATH 250 - Probability and Statistics for Future Teachers **Unit(s): 2**

- MATH 180 - Computing for Mathematics and Science **Unit(s): 2**

- MATH 220 - Reasoning and Proof **Unit(s): 4 OR**
- MATH 210 - Introduction to Proof **Unit(s): 1 OR**
- MATH 142 - Discrete Structures I **Unit(s): 3**

- MATH 222 - Elementary Applied Linear Algebra **Unit(s): 3**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 265 - Intermediate Applied Statistics with SPSS **Unit(s): 4**
- MATH 306 - Number Theory **Unit(s): 4**
- MATH 308 - College Geometry **Unit(s): 4**
- MATH 310 - History of Mathematics **Unit(s): 4**

- MATH 316 - Graph Theory and Combinatorics **Unit(s): 4 OR**
- MATH 416 - Graph Theory and Combinatorics **Unit(s): 4**

- MATH 320 - Modern Algebra I **Unit(s): 4**
- MATH 322 - Linear Algebra **Unit(s): 4**
- MATH 330 - Techniques of Problem Solving **Unit(s): 1**
- MATH 340 - Real Analysis I **Unit(s): 4**
- MATH 345 - Probability Theory **Unit(s): 4**

- MATH 352 - Numerical Analysis **Unit(s): 4**
- MATH 375 - M*A*T*H Colloquium **Unit(s): 1**
- MATH 418 - Topology **Unit(s): 4**
- MATH 420 - Modern Algebra II **Unit(s): 4**
- MATH 430 - Linear Systems Theory **Unit(s): 3**
- MATH 431 - Applied Partial Differential Equations **Unit(s): 4**
- MATH 440 - Real Analysis II **Unit(s): 4**
- MATH 441 - Operations Research **Unit(s): 3**
- MATH 445 - Mathematical Statistics and Operations Research **Unit(s): 4**
- MATH 460 - Complex Analysis **Unit(s): 4**
- MATH 470 - Mathematical and Statistical Modeling **Unit(s): 4**
- MATH 485 - Selected Topics in . . . **Unit(s): 1-3**
- MATH 490 - Capstone Seminar: Secondary Mathematics Teaching **Unit(s): 1**
- MATH 367 - Statistical Consulting and Communication **Unit(s): 2**
- MATH 467 - Statistical Consulting, Communication, and Project Management **Unit(s): 2**

Additional Courses

A minimum of 22 additional units in another program (outside of the Department of Mathematics and Statistics), at least 12 at the upper-division level, chosen in consultation with and approved by the Mathematics and Statistics Department Chair.

Units

Total units in Bi-disciplinary Mathematics program: 52

Mathematics, B.A.

Core Curriculum

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 180 - Computing for Mathematics and Science **Unit(s): 2**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 340 - Real Analysis I **Unit(s): 4**

Units

Total units in core curriculum: 22

Concentrations

- Pure Mathematics Concentration

- Mathematics Secondary Teaching Concentration
- Bi-disciplinary Mathematics Concentration
- Applied Mathematics Concentration

Mathematics, B.S.

Core Curriculum

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 180 - Computing for Mathematics and Science **Unit(s): 2**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 340 - Real Analysis I **Unit(s): 4**

Units

Total units in core curriculum: 22

Concentrations

Applied Mathematics Concentration

Statistics, B.S.

Degree Requirements	Units
General education (48 units, 8 units covered by major requirements)	42
Major (includes 8 units in GE)	52
Electives	28
Total units needed for graduation	120

Major Requirements

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 265 - Intermediate Applied Statistics with SPSS **Unit(s): 4**
- MATH 322 - Linear Algebra **Unit(s): 4**
- MATH 340 - Real Analysis I **Unit(s): 4**
- MATH 345 - Probability Theory **Unit(s): 4**
- MATH 367 - Statistical Consulting and Communication **Unit(s): 2**
- MATH 381 - Computing for Statistics: SAS Programming Language **Unit(s): 2**
- MATH 445 - Mathematical Statistics and Operations Research **Unit(s): 4**
- MATH 465 - Experimental Design and Regression Analysis **Unit(s): 4**

Units

Total units in B.S. program: 52

Sample Four-Year Program

Bachelor of Science in Statistics

Freshman Year: 31 Units

Fall Semester (16 Units)

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- Freshman Learning Community
- GE

Spring Semester (15 Units)

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 265 - Intermediate Applied Statistics with SPSS **Unit(s): 4**
- Freshman Learning Community
- GE

Sophomore Year: 31 Units

Fall Semester (16 Units)

- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- MATH 367 - Statistical Consulting and Communication **Unit(s): 2**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- GE

Spring Semester (15 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- MATH 322 - Linear Algebra **Unit(s): 4**
- GE
- Elective

Junior Year: 30 Units

Fall Semester (15 Units)

- MATH 345 - Probability Theory **Unit(s): 4**
- Elective
- GE
- UD GE

Spring Semester (15 Units)

- MATH 381 - Computing for Statistics: SAS Programming Language **Unit(s): 2**
- MATH 445 - Mathematical Statistics and Operations Research **Unit(s): 4**
- Elective
- UD GE

Senior Year: 28 Units

Fall Semester (14 Units)

- MATH 340 - Real Analysis I **Unit(s): 4**
- UD GE
- Elective

Spring Semester (14 Units)

- MATH 465 - Experimental Design and Regression Analysis **Unit(s): 4**
- Elective
- GE

Total Units: 120

Applied Statistics, Minor

Twenty units are required. These must include MATH 165, MATH 265, MATH 367, MATH 381, MATH 467, and at least 6 units from statistically relevant courses in the department or elsewhere at Sonoma State University chosen in consultation with and approved by an advisor in the Department of Mathematics and Statistics.

Math for Teachers, Minor

This program provides the mathematical background to teach effectively at the elementary and middle school levels. Twenty-three units are required.

These must include

- MATH 300A - Elementary Number Systems **Unit(s): 3**
- MATH 103 - Ethnomathematics **Unit(s): 3 OR**
- MATH 150 - Modern Geometry **Unit(s): 3**
- MATH 142 - Discrete Structures I **Unit(s): 3 OR**
- MATH 200 - Discrete Mathematics **Unit(s): 3 OR**
- MATH 220 - Reasoning and Proof **Unit(s): 4**
- MATH 160 - Precalculus Mathematics **Unit(s): 4 OR**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 250 - Probability and Statistics for Future Teachers **Unit(s): 2 OR**
- MATH 300B - Data, Chance, and Algebra **Unit(s): 3**

Two courses chosen from

- MATH 306 - Number Theory **Unit(s): 4**
- MATH 310 - History of Mathematics **Unit(s): 4**
- MATH 316 - Graph Theory and Combinatorics **Unit(s): 4**
- MATH 470 - Mathematical and Statistical Modeling **Unit(s): 4**
- Students pursuing this minor are also strongly advised to take MATH 390.

Mathematics, Minor

Twenty units of mathematics are required. These must include MATH 161 (or its equivalent) and at least 6 units of upper-division mathematics courses. Approval of the mathematics and statistics department should be obtained by the junior year in order to plan the minor properly.

Not including

- MATH 300A - Elementary Number Systems **Unit(s): 3**
- MATH 300B - Data, Chance, and Algebra **Unit(s): 3**
- MATH 390 - Fieldwork and Seminar: Secondary Mathematics Teaching **Unit(s): 2**
- MATH 395 - Community Involvement Program **Unit(s): 1-4**
- MATH 399 - Practicum in Mathematics **Unit(s): 1-4**
- MATH 490 - Capstone Seminar: Secondary Mathematics Teaching **Unit(s): 1**

Statistics, Minor

Twenty units of mathematics or statistics are required, at least 6 of which must be at the upper-division level, not including MATH 300A, MATH 300B, MATH 330, MATH 375, MATH 395, or MATH 399. Courses required for the minor are MATH 165, MATH 265, either MATH 367 or MATH 381, and either MATH 445 or MATH 465. Note that both MATH 445 and MATH 465 have multiple semesters of calculus as pre-requisites. Also note that students pursuing more than one minor offered by the Department of Mathematics and Statistics may not apply the units earned in a given course towards satisfying the requirements of more than one minor. Anyone who plans to pursue the Minor in Statistics should consult with an advisor no later than the end of the sophomore year in order to plan properly.

Nursing

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Sonoma State University's mission is reflected in the Department of Nursing's commitment to provide a foundation for lifelong learning and graduate nurses who practice within a broad cultural perspective, affirm intellectual and aesthetic achievements as a part of the human experience, develop professional leadership, foster flexibility and resilience, and contribute to the health and well-being of the world at large. The Department of Nursing recognizes nursing as a nurturing response, based upon a blend of art and science, occurring within a subjective and objective environment with the aim of developing the well-being of both nurse and client (client as individuals, families, communities, and organizations). Consistent with the philosophy and objectives is the consideration of students as unique individuals with varied ethnic and cultural backgrounds, learning styles, and goals.

The Department of Nursing provides opportunities for learning using a variety of traditional and technology-mediated strategies. Courses may be taught using webstreaming, interactive and real-time electronic communications via computer for lecture, small group and seminar discussions, self-paced and self-directed independent study, and Internet tools that support lifelong intellectual and professional development.

The Department of Nursing enjoys a collaborative relationship with the health care delivery community within its service area and beyond. Consequently there are many clinical opportunities available. Students are placed in a variety of community-based hospitals and health care agencies. Graduates of both the baccalaureate and master's programs are well prepared for careers in a variety of health care settings and roles in the community.

Sonoma State University's nursing programs are approved by the California State Board of Registered Nursing and accredited by the Accreditation Commission for Education in Nursing, from which information about tuition, fees, and length of program may be obtained, either in writing or by telephone at Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326.

Nursing, B.S.

The undergraduate nursing program provides two program options to obtain a baccalaureate degree in nursing:

1. A pre-licensure program option that prepares the student to become a licensed Registered Nurse (R.N.); and
2. A post-licensure program option for the licensed R.N. with an associate degree or the equivalent.

All graduates of the baccalaureate program are prepared to plan and provide patient care; to teach patients, families, and staff; and to provide leadership in the delivery of health care services. The bachelor of science in nursing program offers students an opportunity to become a liberally educated professional, qualified for certification as a public health nurse, and completely prepared for graduate education in nursing. The pre-licensure program option also prepares the graduate for the R.N. licensure examination.

Eligible applicants should visit <https://web.sonoma.edu/nursing/bsn-pre/index.html> for further information.

L.V.N. 30-Unit Option

The L.V.N. 30-unit option includes only those nursing courses required for R.N. licensure and qualifies L.V.N.s to take the NCLEX-RN., but does not earn a B.S.N.. To be admitted to the L.V.N. 30-unit option an L.V.N. must have completed 4 units of physiology and 4 units of microbiology with a grade of B or better. Admission to this option is ONLY on a "as space available" basis. Contact the department for further details.

Collaborative Nursing Education Continuum Model (CNECM)

Sonoma State University offers an early start baccalaureate program track that builds on the strong foundation of associate degree nursing (ADN) education and utilizes community college transfer credits from the ADN program to meet the BSN degree requirements. The curriculum enhances existing nursing knowledge and skills with study of complex professional perspectives, multifaceted health assessment, community/public health theory and clinical, and socio-political perspectives in the health care environment.

Students begin the BSN curriculum following successful completion of the first year of their ADN program. After completion of two consecutive summers of one course each, students enter in the following fall to complete the one-year program plan of curriculums matriculated students.

Admission to the CNECM

Applicants must meet the following minimum criteria. See SSU nursing website for details. (www.sonoma.edu/nursing)

1. Must be in good standing in the first semester of an ADN program in Santa Rosa Junior College, College of Marin, Napa Valley College, Solano Community College or Mendocino College and;
2. Minimum of 60 semester units of college-transferrable credit with a minimum 2.7 overall GPA and;
3. Minimum of 3 semester units of college-transferable credit in chemistry, statistics (B1), and critical thinking (A3) with a grade of C or better and;
4. Preference for admission will be given to applicants with the fewest number of lower division SSU GE requirements outstanding.

Continued Progress in the CNECM as Matriculated Post-Licensure Student

1. Current unrestricted, California RN license prior to registration of NURS 310, NURS 412 Lecture and Practicum
2. Admission to the university

Undergraduate Nursing Progression and Retention

Should a student not attain a minimum grade of C (a C- is not acceptable) in a required nursing course, the student will not be permitted to continue in the nursing major. The student may petition the faculty to repeat the course. If approval is granted, the student must receive a grade of C or better in the course when repeated. If a minimum grade of C is not attained, the student will not be eligible to continue in, or graduate from, the B.S.N. program. Only two courses in the nursing major may be repeated once.

Post-licensure BSN Degree completion time limits are specific-see www.sonoma.edu/nursing/bsn-post/index.html under curriculum pattern.

Concentrations

- Pre-Licensure B.S.N. Program, B.S.
- Traditional Post-Licensure Program, B.S.

CNECM (CPOST) Full-Time Academic Program Plan

Full-Time Enrollment (One year for completion)

Enrollment in required nursing coursework in the pattern below is expected. Enrollment in and completion of 6 units of UDGE is individually determined based on student's remaining degree

requirements and according to UDGE requirements (see Upper Division GE Guidelines). UDGE coursework included in this plan is for example only.

Summer Term Between 1st and 2nd Year of ADN Program: 4 Units

- NURS 312 - Baccalaureate Nursing Perspectives I **Unit(s): 4**

Summer Term Following Graduation from ADN Program: 4 Units

- NURS 313 - Baccalaureate Nursing Perspectives II **Unit(s): 4**

70 Units

Transfer Credit from Community College Applied toward BSN (70)

20 Units

Up to 20 units upper division Nursing credit awarded for NCLEX-RN based on transcript evaluation (20)

After ADN and RN Licensure (One year completion)

Fall Semester (11 Units)

- NURS 310 - Nursing Research and Evidence-Based Practice **Unit(s): 3**
- NURS 412 - Community/Public Health Nursing **Unit(s): 3**
- GE C1 Arts or Elective

Spring Semester (11 Units)

- NURS 410 - Nursing Power, Policy, and Politics **Unit(s): 5**
- NURS 416 - Application of Baccalaureate Perspectives **Unit(s): 3**
- GE C2 Humanities or Elective

BSN Total Units: 120

Nursing- Family Nurse Practitioner, M.S.

The goal of the graduate curriculum is to provide advanced professional education to nurses with a B.S.N. or equivalent. The graduate degree in nursing is designed to respond to society's needs for professional nurses who influence the structure of emerging patterns of health care practice and delivery. Specialization in an area of nursing practice or function enables graduates to effectively address current and future societal health needs. Graduates support the development and refinement

of nursing science by assuming advanced clinical and leadership roles within the profession and by participating in research and other scholarly activities.

SSU offers specialization as a family nurse practitioner (F.N.P.), with emphasis on advanced clinical primary care practice.

Application Procedures

The standard CSU application must be submitted for admission to SSU. In addition, applicants must:

1. Meet the minimum admissions requirements;
2. Submit a supplemental application form; to NursingCAS

Applicants who have received their B.S.N. from SSU also need to submit a standard CSU application and supplemental nursing application to apply for graduate standing at SSU.

Family Nurse Practitioner Program

The purpose of the family nurse practitioner specialty option is to prepare registered nurses with a bachelor's degree in nursing for advanced clinical practice with an emphasis on promoting individual and family wellness. The F.N.P. specialty focuses upon the theoretical and scientific bases for the assessment, diagnosis, and management of common illness as well as health teaching, counseling, and preventive services. Emphasis is placed upon advanced clinical skills that include history-taking, physical examination, health screening, management of common illnesses, and techniques of prevention and risk reduction. Graduates may work in clinics, health maintenance organizations, schools, and medical practices as primary health care providers.

Admission Requirements

1. B.S.N. degree;
2. GPA of 3.00 in the last two years (60 units) of undergraduate or post-graduate study;
3. Current California licensure as a registered nurse;
4. Completion of a course in statistics in college career;
5. Two years of full-time experience as a R.N. preferred.

Curriculum Features

Students and faculty share responsibility for finding an acceptable preceptor. Content includes health needs and risks of all family members, family theories, and legal and professional issues pertinent to nurse practitioners. Content taken concurrently with the clinical sequences includes advanced health assessment and health risk assessment of individuals and families, pathophysiological concepts in diagnosis and treatment of common illness, pharmacology, and practice issues pertinent to nurse practitioners.

Students complete a comprehensive exam for the culminating experience that serves as evidence of successful integration of the diverse content areas in the curriculum.

The SSU family nurse practitioner specialty option meets criteria specified in Section 1484, Title 16, of the California Administrative Code and is approved by the California State Board of Registered Nursing.

The M.S.N. F.N.P. curriculum is 46 units, students progress from basic advanced practice skills to more complex skills. Each semester has a clinical skills component.

Graduate Nursing Progression and Retention

Should a graduate nursing student not attain a minimum grade of B- (a C+ is not acceptable) in a required graduate nursing course, the student will not be permitted to continue in the program. The student may petition the faculty to repeat the course. If approval is granted, the student must receive a grade of B- or better in the course when repeated. If a minimum grade of B- is not attained, the student will not be eligible to continue in, or graduate from, the M.S.N. program. Admission requirements, policies, and other information related to the Master's Degree Program in Nursing can be found at: www.sonoma.edu/nursing/fnpp/

Full-time Curriculum Plan

Master of Science in Nursing - Family Nurse Practitioner

The sequence below is for full-time students. A part-time sequence that can be completed in six semesters follows below.

Year 1: 21 Units

Fall Semester (11 Units)

- NURS 501 - Health Promotion: Righting Disparities **Unit(s): 4**
- NURS 509 - Advanced Health Assessment **Unit(s): 4**
- NURS 549 - Health Promotion Practice in Primary Care **Unit(s): 3**

Spring Semester (10 Units)

- NURS 540A - Pathophysiological Concepts in Primary Care I **Unit(s): 3**
- NURS 550A - Clinical Practice in Primary Care I **Unit(s): 4**
- NURS 552 - Pharmacology in Primary Care **Unit(s): 3**

Year 2: 25 Units

Fall Semester (11 Units)

- NURS 540B - Pathophysiologic Concepts in Primary Care II **Unit(s): 3**
- NURS 550B - Clinical Practice in Primary Care II **Unit(s): 4**
- NURS 560 - Research and Theory Applied to Primary Care **Unit(s): 4**

Spring Semester (14 Units)

- NURS 550C - Clinical Practice in Primary Care III **Unit(s): 4**
- NURS 562 - Advanced Practice in Primary Care Systems **Unit(s): 4**
- NURS 564 - Health Policy and Advocacy in Primary Care **Unit(s): 4**
- NURS 566 - Culminating Experience **Unit(s): 2**

Total Units: 46

Part-time Curriculum Plan

Master of Science in Nursing - Family Nurse Practitioner

Year 1: 16 Units

Fall Semester (8 Units)

- NURS 501 - Health Promotion: Righting Disparities **Unit(s): 4**
- NURS 560 - Research and Theory Applied to Primary Care **Unit(s): 4**

Spring Semester (8 Units)

- NURS 509 - Advanced Health Assessment **Unit(s): 4**
- NURS 564 - Health Policy and Advocacy in Primary Care **Unit(s): 4**

Year 2: 16-17 Units

Fall Semester (6-7 Units)

- NURS 549 - Health Promotion Practice in Primary Care **Unit(s): 3**
- Optional Elective

Spring Semester (10 Units)

- NURS 540A - Pathophysiological Concepts in Primary Care I **Unit(s): 3**
- NURS 552 - Pharmacology in Primary Care **Unit(s): 3**

Year 3: 17 Units

Fall Semester (7 Units)

- NURS 540B - Pathophysiologic Concepts in Primary Care II **Unit(s): 3**
- NURS 550B - Clinical Practice in Primary Care II **Unit(s): 4**

Spring Semester (10 Units)

- NURS 562 - Advanced Practice in Primary Care Systems **Unit(s): 4**
- NURS 550C - Clinical Practice in Primary Care III **Unit(s): 4**
- NURS 566 - Culminating Experience **Unit(s): 2**

Total Units: 46

Physics and Astronomy

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About Physics

Physics is the most fundamental of all the scientific disciplines. Ranging from the applied to the abstract, from the infinitesimal to the infinite, and from quarks to the cosmos, the study of physics seeks to explain all the complicated phenomena in the natural world by providing a description of these phenomena in terms of a few basic principles and laws.

Physicists also use their knowledge of fundamental principles to solve concrete problems. Problems in understanding and utilizing the properties of semiconductors and other materials; in designing and building lasers, photonics, and telecommunications devices; and in designing and using instrumentation such as adaptive optics for astrophysics, are typically solved using the techniques of physics. Such applied physics problems often have a significant overlap with topics and techniques in engineering and computational physics. Indeed, many of the department's graduates are currently employed in engineering or computationally oriented positions.

In their most abstract work, physicists seek a unified mathematical description of the four known forces of nature (gravitation, electricity and magnetism, and the weak and strong nuclear forces). This quest for the "Theory of Everything" eluded Einstein and is continued today by many physicists, including those who study superstring theory. The ultimate goal is to correctly predict the fundamental forces and the masses and interactions of the elementary particles from which all matter is formed.

The department offers a traditional, mathematically rigorous program leading to a B.S. in physics; a B.S. in physics with a concentration in astrophysics; and a flexible B.A. program with two advisory plans (algebra and trigonometry or calculus). All programs stress fundamental concepts and techniques, offer an unusually rich laboratory experience and intensive use of computers, and require a capstone course as a culminating experience. Capstone projects may include experimental design, instructional design, or undergraduate research—personalized and unique opportunities to demonstrate the skills and knowledge acquired in the major.

The department is housed in Darwin Hall, which is well equipped with lower-division teaching laboratories and facilities for intermediate and advanced laboratory courses, undergraduate research, special studies and capstone projects. The Darwin facilities include thin film fabrication systems such as thermal evaporation and electrodeposition, a Hall measurement system, an adaptive optics and astronomical instrumentation development laboratory, a 3D-printer, and laboratories for building and testing small satellites (CubeSats). Physics majors also use the multidisciplinary Keck Microanalysis Laboratory in Salazar Hall which includes a scanning electron microscope, atomic force microscopes, an x-ray diffractometer, and a confocal microscope. A new campus makerspace is also available for student use.

A substantial program in undergraduate astronomy includes many courses, listed in this catalog under Astronomy, which may be included in the B.A. or B.S. degree programs in physics. The department operates a teaching observatory on the SSU campus and a NASA-funded remotely operated research observatory at a darker site in northern Sonoma County. Students and faculty also have access to time on an adaptive optics-equipped 1-m telescope in Southern California. Students are strongly encouraged to use all of the above facilities for special studies, undergraduate research and capstone projects.

Careers in Physics

For information on what you can do with a bachelor's degree in physics, follow links from: <http://phys-astro.sonoma.edu>

About Astronomy

Astronomy, offered as a minor in the Department of Physics and Astronomy, is the study of the planets, stars, and galaxies in the universe beyond the earth's atmosphere. The fields of astronomy and astrophysics, the application of physics principles to astronomical observations, today deal with essential questions, such as the origin and nature of the "Big Bang;" the subsequent creation of matter and the chemical elements; the eventual formation and evolution of structure in the universe; and the life cycles of stars, including the tremendous explosions which are often their death knells and can lead to the formation of black holes. Modern astronomy leans heavily on the concepts and techniques of physics and mathematics. Astronomers use ground and space-based instruments that detect photons spanning the electromagnetic spectrum, as well as particles such as cosmic rays or neutrinos. An emerging branch of astronomy seeks to correct the effect of the Earth's turbulent atmosphere using adaptive optics, thus providing "sharper" views of the universe. As a result of astronomy's cosmic scope and dependence on physics, degrees in astronomy are generally granted at the graduate level. The

minor in astronomy, with a B.S. in physics, is an excellent preparation for graduate study in astronomy or astrophysics.

Careers in Astronomy

Career fields for which an astronomy minor would be beneficial include aerospace, astronomy, atmospheric science, education, planetary geology, and geophysics.

A variety of courses are available within the minor, including intermediate and advanced laboratory work that utilizes the department's two observatories, and a number of descriptive courses for students whose major interests lie in other fields.

The SSU Campus Observatory reopened in a new building in the fall of 2017. It houses two telescopes: a 14-inch Schmidt-Cassegrain and a 10-inch Newtonian. Both are computer controlled, and can be equipped with auxiliary instrumentation for CCD imaging and spectroscopy. A NASA-funded research observatory, located in the darker skies of northern Sonoma County includes a remote controlled and operated 14-inch telescope, equipped with a high-efficiency CCD detector and a filter wheel. Equipment available for observational work in astronomy by SSU students is ideally suited for studying objects that vary in time and space. This includes pulsating, eclipsing and cataclysmic star systems, the variable nuclei of active galaxies (such as quasars and blazars), gamma-ray bursts, and extrasolar planetary systems that exhibit planetary transits. Our equipment is also well-suited for follow-up observations of Near Earth Objects, which may threaten life on Earth.

The department houses a laboratory for experimental astrophysics research, where students can test and build cameras, spectrometers and other equipment for SSU's telescopes. The laboratory includes an Adaptive Optics testbed, which uses advanced technology to measure and sharpen images. The department partnered with Pomona College to construct KAPAO, a remotely operable adaptive optics system for a 1-meter telescope at Table Mountain Observatory in Southern California. Access to optical and near-infrared diffraction-limited imaging brings additional research opportunities to our students.

In November 2013, the Department launched its first CubeSat, T-LogoQube. This student-designed and built small satellite is the first in a series of planned space missions being built by SSU students.

The on-campus observatory is used by students in laboratory and lecture courses, and all the astronomical facilities described above are available for faculty and student research projects.

All students are strongly encouraged to participate in the ongoing research programs of the department, and/or to propose student-initiated research programs.

Astrophysics Concentration

Students may earn a B.S. in physics with a concentration in astrophysics. This program is intended for those students who desire an emphasis on studying the physical processes of astronomical objects in the Universe. It provides a rigorous background in physics with a combination of theoretical and observational studies of planets, stars and galaxies. It is a good choice for students who wish to continue their studies in graduate astronomy programs, or who wish to work in positions at observatories, laboratories and governmental agencies. It is also an appropriate degree for science educators, and science journalists.

Astrophysics Concentration Requirements: 8 Units

- ASTR 100 - Descriptive Astronomy **Unit(s): 3 OR**
- ASTR 150 - Astronomy for Scientists **Unit(s): 3**

- ASTR 331 - Astronomical Imaging **Unit(s): 2**
- ASTR 380 - Astrophysics: Stars **Unit(s): 3**

Capstone Requirement: 3 Units

(Complete PHYS 491 AND (ASTR 492 OR ASTR 497))

- PHYS 491 - Capstone Preparatory Seminar **Unit(s): 1**
- ASTR 492 - Instructional Design Project **Unit(s): 2**
- ASTR 497 - Undergraduate Research in Astronomy **Unit(s): 2**

Physics Electives: 10 Units

To complete the 72 units required for the major, students must choose the remaining units from other upper division physics or astronomy courses. All Upper division Astronomy courses are allowed as electives for the BS-Physics Astrophysics Concentration. ASTR 396 & PHYS 396 selected topics courses, will only apply if approved by an advisor. Astronomy courses may not double count towards the Physics Major and the Astronomy Minor. PHYS 494 can be taken three times for a maximum of three units.

Units

Total Units In the Major: 72 Units

Sample Four-Year Program

Bachelor of Science in Physics with Concentration in Astrophysics

The sequential nature of the physics curriculum necessitates an early start with major requirements and the distribution of general education courses over four years.

Freshman Year: 30 Units

Fall Semester (16 Units)

- CHEM 115A - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE
- ASTR 150 - Astronomy for Scientists **Unit(s): 3**

Spring Semester (14 Units)

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- GE
- PHYS 494 - Physics Seminar **Unit(s): 1** (recommended)

Sophomore Year: 30 Units

Fall Semester (15 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**
- GE

Spring Semester (15 Units)

- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- ASTR 331 - Astronomical Imaging **Unit(s): 2**
- PHYS 314 - Introduction to Physics III **Unit(s): 4**
- GE

Junior Year: 30 Units

Fall Semester (15 Units)

- PHYS 325 - Introduction To Mathematical Physics **Unit(s): 3**
- PHYS 381 - Computer Applications for Scientists **Unit(s): 2**
- GE
- Elective

Spring Semester (15 Units)

- ASTR 380 - Astrophysics: Stars **Unit(s): 3**
- GE
- PHYS Elective
- PHYS 340 - Light and Optics **Unit(s): 3**

Senior Year: 30 Units

Fall Semester (15 Units)

- PHYS 450 - Statistical Physics **Unit(s): 2**

- PHYS 460 - Quantum Physics **Unit(s): 3**
- PHYS Elective
- GE
- Elective

Spring Semester (15 Units)

- PHYS 430 - Electricity and Magnetism **Unit(s): 3**
- ASTR Capstone
- PHYS 491 - Capstone Preparatory Seminar **Unit(s): 1**
- PHYS Elective
- GE

Total Units: 120

Physics, B.A.

The B.A. program allows considerable flexibility for the student who wishes to study physics as part of a liberal arts education. Two advisory plans are offered:

Bachelor of Arts in Physics with Advisory Plan C

This plan uses calculus. Students who choose this, the more popular B.A. advisory plan, have the prerequisites to take nearly all of the courses in the department. They find employment in scientific and engineering fields. Some go on to graduate school in interdisciplinary sciences. This degree program is appropriate for those who wish to earn a California Science Teaching Credential with a concentration in Physics.

Degree Requirements	Units
Major requirements	34-38
Required area of concentration	12
Supporting courses	12
General education	41
General electives	17-21
Total units needed for graduation	120

Major Core Requirements

The major must include a minimum of 24 upper-division units in physics and astronomy; with an advisor, choose 13-15 units in additional upper-division physics and astronomy courses. PHYS 100 may be used to substitute for an advanced Physics elective course.

- PHYS 114 - Introduction to Physics I **Unit(s):** 4 (may be applied to GE)
- PHYS 116 - Introductory Laboratory Experience **Unit(s):** 1 (may be applied to GE)
- PHYS 214 - Introduction to Physics II **Unit(s):** 4
- PHYS 216 - Introductory Laboratory **Unit(s):** 1
- PHYS 314 - Introduction to Physics III **Unit(s):** 4
- PHYS 340 - Light and Optics **Unit(s):** 3

Choose one of the following two programming courses:

- PHYS 381 - Computer Applications for Scientists **Unit(s):** 2
- CS 115 - Programming I **Unit(s):** 4

Capstone course; One of the following:

- ASTR 492 - Instructional Design Project **Unit(s):** 2
- ASTR 497 - Undergraduate Research in Astronomy **Unit(s):** 2
- PHYS 492 - Instructional Design Project **Unit(s):** 2
- PHYS 493 - Senior Design Project **Unit(s):** 2
- PHYS 497 - Undergraduate Research in Physics **Unit(s):** 2

Required Area of Concentration

Courses in one other field, chosen in consultation with an advisor.

Supporting Courses

- MATH 161 - Differential and Integral Calculus I **Unit(s):** 4 (3 units may be applied in GE)
- MATH 211 - Differential and Integral Calculus II **Unit(s):** 4
- MATH 261 - Multivariable Calculus **Unit(s):** 4

Units

Total units in the major core: 34-38

Total units in area of concentration: 12

Total units in supporting courses: 12

Total units in the major and supporting courses (up to 9 may be applied in GE): 58 - 62

Bachelor of Arts in Physics with Advisory Plan T

This plan uses algebra and trigonometry. Students may select from upper-division courses, appropriate to careers as science or technical writers, scientific sales personnel, technicians, programmers, or other technical specialists. There is opportunity to take courses that lead to careers in the health sciences or environmental fields. This degree program is appropriate for those who wish to earn a California Multiple Subject Teaching Credential. Advisory Plan T is often taken as part of a double major.

Degree Requirements	Units
Major requirements	32-36
Required area of concentration	12
Supporting course	4
General education	41
General electives	27-31
Total units needed for graduation	120

Major Core Requirements

The major must include a minimum of 24 upper-division units in physics and astronomy, so, with an advisor, choose 13-16 units in additional upper-division physics and astronomy courses. PHYS 100 may be substituted for an advanced physics elective course.

- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- PHYS 209B - General Physics Laboratory **Unit(s): 1**
- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 210B - General Physics **Unit(s): 3**
- An approved course in computer applications, e.g., PHYS 381

Choose one of the following two courses in modern physics or astronomy:

- ASTR 305 - Frontiers in Astronomy **Unit(s): 3**
- PHYS 314 - Introduction to Physics III **Unit(s): 4**

Choose one of the following two courses in optics:

- PHYS 340 - Light and Optics **Unit(s): 3**
- PHYS 342 - Light and Color **Unit(s): 3**

Capstone course; One of the following:

- ASTR 492 - Instructional Design Project **Unit(s): 2**
- ASTR 497 - Undergraduate Research in Astronomy **Unit(s): 2**

- PHYS 492 - Instructional Design Project **Unit(s): 2**
- PHYS 493 - Senior Design Project **Unit(s): 2**
- PHYS 497 - Undergraduate Research in Physics **Unit(s): 2**

Required Area of Concentration

Courses in one other field chosen in consultation with an advisor.

Supporting Course

- MATH 160 - Precalculus Mathematics **Unit(s): 4** (3 units may be applied in GE)

Units

Total units in the major core: 32-36

Total units in area of concentration: 12

Total units in supporting course: 4

Total units in the major (up to 9 may be applied in GE): 48-52

Sample Four-Year Program

Bachelor of Arts in Physics with Advisory Plan C

The sequential nature of the physics curriculum necessitates an early start with major requirements and the distribution of general education courses over four years.

** Area of Concentration = 12 units in one other subject.*

Nine of the units of GE are met by required courses listed here (3 each in areas B1, B3, and B4).

Freshman Year: 30 Units

Fall Semester (15 Units)

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE
- PHYS 100 - Descriptive Physics **Unit(s): 3** (Recommended)
- PHYS 494 - Physics Seminar **Unit(s): 1** (Recommended)

Spring Semester (15 Units)

- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**

- GE

Sophomore Year: 30 Units

Fall Semester (15 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**
- GE

Spring Semester (15 Units)

- PHYS 314 - Introduction to Physics III **Unit(s): 4**
- Elective
- GE

Junior Year: 30 Units

Fall Semester (15 Units)

- PHYS 381 - Computer Applications for Scientists **Unit(s): 2**
- Area of Concentration *
- GE
- Elective

Spring Semester (15 Units)

- PHYS 340 - Light and Optics **Unit(s): 3**
- PHYS Elective
- Area of Concentration *
- GE
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- PHYS Elective
- Area of Concentration *
- GE
- Electives

Spring Semester (15 Units)

- PHYS Capstone
- Area of Concentration *
- PHYS Elective
- Electives

Total Units: 120

Sample Four-Year Program

Bachelor of Arts in Physics with Advisory Plan T

The sequential nature of the physics curriculum necessitates an early start with major requirements and the distribution of general education courses over four years.

**Area of concentration = 12 units in one other subject.*

Nine of the units of GE may be met by required courses listed here (3 each in areas B1, B3, and B4).

Freshman Year: 30 Units

Fall Semester (15 Units)

- MATH 160 - Precalculus Mathematics **Unit(s): 4**
- GE
- PHYS 100 - Descriptive Physics **Unit(s): 3** (Recommended)
- PHYS 494 - Physics Seminar **Unit(s): 1** (Recommended)

Spring Semester (15 Units)

- PHYS 209A - General Physics Laboratory **Unit(s): 1**
- PHYS 210A - General Physics **Unit(s): 3**
- GE
- Elective

Sophomore Year: 30 Units

Fall Semester (15 Units)

- PHYS 209B - General Physics Laboratory **Unit(s): 1**
- PHYS 210B - General Physics **Unit(s): 3**
- GE
- Elective

Spring Semester (15 Units)

- PHYS Elective
- Elective
- GE

Junior Year: 30 Units

Fall Semester (15 Units)

- ASTR 305 - Frontiers in Astronomy **Unit(s): 3**
- PHYS 381 - Computer Applications for Scientists **Unit(s): 2**
- Area of Concentration *
- GE
- Elective

Spring Semester (15 Units)

- PHYS 342 - Light and Color **Unit(s): 3**
- PHYS Elective
- Area of Concentration *
- GE
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- PHYS Electives
- Area of Concentration *
- Electives

Spring Semester (15 Units)

- PHYS Capstone
- Area of Concentration *
- Electives

Total Units: 120

Physics, B.S.

The B.S. program is a thorough introduction to the principles of physics, providing a strong foundation for graduate study or industrial research. It is also intended for those students who wish to prepare for interdisciplinary studies on the graduate level in fields such as astronomy, atmospheric science, biophysics, environmental science, geophysics, materials science, and physical oceanography.

Degree Requirements	Unit
General education (48, 9 units in the major)	39
Major Requirements	72
University Electives	9
Total units needed for graduation	120

Major Core Requirements

- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**
- PHYS 313 - Electronics **Unit(s): 3**
- PHYS 313L - Electronics Laboratory **Unit(s): 1**
- PHYS 314 - Introduction to Physics III **Unit(s): 4**
- PHYS 320 - Analytical Mechanics **Unit(s): 3**
- PHYS 325 - Introduction To Mathematical Physics **Unit(s): 3**
- PHYS 340 - Light and Optics **Unit(s): 3**
- PHYS 366 - Intermediate Experimental Physics **Unit(s): 3**
- PHYS 381 - Computer Applications for Scientists **Unit(s): 2**
- PHYS 430 - Electricity and Magnetism **Unit(s): 3**
- PHYS 450 - Statistical Physics **Unit(s): 2**
- PHYS 460 - Quantum Physics **Unit(s): 3**

Supporting Courses

- CHEM 115B - General Chemistry **Unit(s): 5**

Capstone Requirement

(Complete 1 course from the list below)

- ASTR 492 - Instructional Design Project **Unit(s): 2**
- ASTR 497 - Undergraduate Research in Astronomy **Unit(s): 2**
- PHYS 492 - Instructional Design Project **Unit(s): 2**
- PHYS 493 - Senior Design Project **Unit(s): 2**
- PHYS 497 - Undergraduate Research in Physics **Unit(s): 2**

Upper Division Physics Requirements

- PHYS 313 - Electronics **Unit(s): 3**
- PHYS 313L - Electronics Laboratory **Unit(s): 1**
- PHYS 320 - Analytical Mechanics **Unit(s): 3**

- PHYS 366 - Intermediate Experimental Physics **Unit(s): 3**

Physics Electives

To complete the 72 units required for the major, students must choose the remaining units from other upper division physics or astronomy courses including the recommended PHYS 491 - Capstone Preparatory Seminar. ASTR 303, ASTR 305, ASTR 331 and ASTR 350 are not allowed as electives for the BS-Physics General. ASTR 396 & PHYS 396 selected topics courses, will only apply if approved by an advisor. Astronomy courses may not double count towards the Physics Major and the Astronomy Minor. PHYS 494 can be taken three times for a maximum of three units.

Concentration

Astrophysics Concentration

Sample Four-Year Plan

Freshman Year (30 units)

Fall Semester (15 Units)

- CHEM 115A - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- PHYS 100 - Descriptive Physics **Unit(s): 3**
- GE

Spring Semester (15 Units)

- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 116 - Introductory Laboratory Experience **Unit(s): 1**
- PHYS 494 - Physics Seminar **Unit(s): 1**

Sophomore Year (30 Units)

Fall Semester (15 Units)

- MATH 261 - Multivariable Calculus **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- PHYS 216 - Introductory Laboratory **Unit(s): 1**
- GE
- GE

Spring Semester (15 Units)

- MATH 241 - Linear Algebra with Applications in Differential Equations **Unit(s): 4**
- PHYS 313 - Electronics **Unit(s): 3**
- PHYS 313L - Electronics Laboratory **Unit(s): 1**
- PHYS 314 - Introduction to Physics III **Unit(s): 4**
- GE

Junior Year (30 Units)

Fall Semester (15 Units)

- PHYS 325 - Introduction To Mathematical Physics **Unit(s): 3**
- PHYS 381 - Computer Applications for Scientists **Unit(s): 2**
- GE
- GE
Elective

Spring Semester (15 Units)

- PHYS 320 - Analytical Mechanics **Unit(s): 3**
- PHYS 340 - Light and Optics **Unit(s): 3**
- PHYS 366 - Intermediate Experimental Physics **Unit(s): 3**
- GE
- GE

Senior Year (30 Units)

Fall Semester (16 Units)

- PHYS 450 - Statistical Physics **Unit(s): 2**
- PHYS 460 - Quantum Physics **Unit(s): 3**
GE
- Elective

Spring Semester (14 Units)

- PHYS 430 - Electricity and Magnetism **Unit(s): 3**
PHYS Capstone
- GE

Minor

Astronomy, Minor

Completion of a minimum of 20 units in astronomy and physical or life science courses, at least 12 of which must be in astronomy, constitutes a minor in astronomy. Courses that are used to meet core requirements in a student's major may not be used toward the minor in astronomy. Required supporting courses for the major may be used. Interested students should consult with an advisor in the Department of Physics and Astronomy.

Physics, Minor

Completion of a minimum of 20 units in physics courses, including not more than one first course or more than one second course, constitutes a minor in physics. (First courses are PHYS 100, PHYS 210A, and PHYS 114, and their equivalents taught elsewhere. Second courses are PHYS 210B, PHYS 214, and their equivalents.) Interested students should consult with the advisor in the Department of Physics and Astronomy.

Kinesiology

Department Office

PE 14

(707) 664-2357

web.sonoma.edu/kinesiology

Department Chair

Steven V. Winter

For faculty information, please see Faculty or the Kinesiology faculty web page.

Kinesiology, as the study of human movement, utilizes a comprehensive and integrative approach to examine phenomena related to all aspects of physical activity. The curriculum offered by the Department of Kinesiology prepares graduates who can apply kinesiological principles to the acquisition, performance, and refinement of motor skills and the use of physical activity as an educative tool and a medium for health promotion, personal well-being, and participation in an active lifestyle. The curriculum addresses human movement across the life span from biological/physical, behavioral, sociocultural, and humanistic perspectives, with attention given to the unique and common needs of all people in a wide variety of contexts and conditions.

In conjunction with the broader educational mission of the University, the kinesiology major program prepares students to lead and participate in a modern complex society and to assume multiple roles throughout their lifetimes. Graduates have acquired knowledge and experiences that prepare them to pursue lifelong learning, advanced study, and/or careers in such areas as, coaching, allied health fields, health and fitness industries, sport industries, or exercise and movement science. To achieve this mission the kinesiology major provides students with a well-structured set of curricular and co-curricular experiences and the mentorship to derive a sound education from the University experience.

The Department of Kinesiology concentrations lead to the B.S. degree. In all concentrations, a core of courses are required. Beyond this core, the kinesiology student chooses a concentration of courses with a specific focus. The undergraduate may select, exercise science, lifetime physical activity, or

interdisciplinary studies in kinesiology. Theoretical and practical learning experiences are an important part of all concentrations. Students are required to participate in a variety of field experiences.

Prior to beginning upper-division studies in kinesiology, students should have acquired the knowledge and skills necessary for success. Courses with specific application to the kinesiology degree are included as support courses for the major. All students entering the upper-division kinesiology degree should:

- Be able to utilize computing technology in support of inquiry;
- Demonstrate knowledge of a broad range of concepts, issues, facts, and theories derived from the biological, physical, behavioral, social sciences, and from the humanities;
- Demonstrate critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skill; and
- Document experience in a variety of movement forms and fitness activities.

At the completion of the undergraduate degree all graduates should:

- Have knowledge of the history and broad content within the disciplines of kinesiology and can demonstrate the ability to synthesize concepts across disciplines.
- Demonstrate proficiency in the Core Competencies across the subareas of kinesiology through their academic work and practical application. (WSCUC Core Competencies: written communication, oral communication, critical thinking, quantitative reasoning, and information literacy)
- Apply concepts, theories, and methods in kinesiology in professional and scholarly activities.
- Apply evidence-based practices to the practice of kinesiology.
- Demonstrate professional responsibility and ethical decision-making when applying knowledge of kinesiology.

Careers

Lifetime Physical Activity

Careers or certifications that require a baccalaureate degree:

- Strength and Conditioning Specialist
- Certified Personal Trainer
- Health Fitness Instructor
- Exercise Specialist
- Coach

Adapted Physical Education – Physical Education for Individuals with Disabilities

- Work in public schools, community recreation centers, hospitals and other clinical settings, community colleges (M.A. required), colleges, and universities;

Exercise Science

- Physical Therapy
- Allied Health Careers

Interdisciplinary

- Occupational Therapy

Students Planning to Apply to a Graduate Program in Physical Therapy

Completing the Kinesiology degree with the Exercise Science concentration will satisfy many of the course requirements (or recommendations) which are prerequisites for admission to a physical therapy program. While there are similarities across physical therapy programs, there are also differences from one graduate program to another. Students are urged to contact personally any graduate school they may wish to consider and request admission requirements. Information can be obtained from the American Physical Therapy Associate website.

No single list of prerequisite can be totally complete and accurate. The list summarizes current requirements for some programs in California, and the requirements are similar to other programs. It is suggested that you use the attached list as general guidelines until a specific school or schools are selected.

- Plan on a minimum of three years beyond the bachelor's degree to complete a physical therapy program. Actual time varies by program.
- Find out if the Graduate Record Examination (GRE) is required and what minimum score is accepted.
- Strengthen your oral and written communication skills.
- Apply to several programs.
- Usually a 3.0 GPA is required; however, many schools actually use a 3.3 or higher GPA.
- Get extensive field experience, have excellent letters of recommendation, prepare a strong portfolio, and be prepared for a good interview.
- Some programs may not take less than a "B" in a prerequisite course; some will not accept a repeat grade if the original grade was a "C" or better.
- Many programs require that prerequisites be taken in the last 5-10 years; this varies from school to school.
- DO NOT take prerequisite courses for Cr/NC.
- Take elective courses in related fields, especially the biological sciences.
- Talk to physical therapists and other pre-physical therapy students, and be active in the pre-health professions clubs on campus.

Kinesiology, B.S.

All majors in the Kinesiology must complete the support courses and the major core courses. Each major selects a concentration in which to complete the major.

Degree Requirements	Units
General education (48, 7 units in major)	41
Major requirements	46-53
Support courses	8

General electives 18-25

Total Units needed for graduation 120

All courses fulfilling either major or minor requirements in kinesiology must be graded A-F, except for courses not available in the A-F mode or courses that are challenged.

Support Courses for the Bachelor of Science

These courses may be taken at a community college, and some may be used to fulfill general education requirements. Some of these courses are prerequisites to courses in the major. The SSU equivalent is listed below.

- BIOL 220 - Human Anatomy **Unit(s): 4**
- BIOL 224 - Human Physiology **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

Major Core Requirements

(all concentrations)

- KIN 201 - Foundations of Kinesiology **Unit(s): 3**
- KIN 301 - History and Philosophy of Human Movement **Unit(s): 4**
- OR
- KIN 315 - Sociology of Sport **Unit(s): 3**
- KIN 305 - Psychological Bases of Human Movement **Unit(s): 4**
- KIN 317 - Nutrition for Physical Activity and Health **Unit(s): 3**
- KIN 350 - Biomechanics **Unit(s): 4**
- KIN 360 - Physiology of Exercise **Unit(s): 4**
- KIN 410 - Lifespan Motor Development **Unit(s): 3**

Major Concentrations

Several options are available to a student advancing toward a specific goal in the degree program. A student may select a pattern of courses in any one of the following concentrations.

Choose one of the required concentrations below to complete the major:

- I. Exercise Science Concentration 26
- II. Lifetime Physical Activity Concentration 23-28
- III. Interdisciplinary Concentration 25-28
- Total units in a concentration 22-28
- Total units in major 46-53

- Exercise Science Concentration

- Lifetime Physical Activity Concentration
- Interdisciplinary Concentration

Units

Total supporting units: 17

Total units in the major core: 29

Total units in a concentration 23-30

Total units in the major 52-59

Concentration

Lifetime Physical Activity Concentration

** Students planning to enter a master's degree or doctoral program in physical therapy may need to take additional units or courses to satisfy admission requirements to the programs. Check with the academic schools to which you plan to apply for specific requirements.*

Fitness and Wellness Emphasis

Prepares individuals for careers in the allied fields of fitness, health, and wellness. Those who work with exercise must have an understanding of intra- and interpersonal aspects of exercise adherence, as well as knowledge of the structure and function of the humanbody. They must know exercise physiology and the mechanics of human motion; and they must possess skills in planning and carrying out appropriate exercise programs and treatment regimes for the healthy individual who desires lifetime fitness goals, as well as for the individual with unique needs due to a developmental concern or musculoskeletal injury. This concentration incorporates coursework in philosophy, sociology, and psychology; exercise physiology and biomechanics of movement; adapted physical education and emergency / sports medicine; and health education, while providing opportunities for internships & field experiences.

Emphasis Requirements

- KIN 241 - Emergency Response **Unit(s): 3**
- KIN 242 - Principles of Musculoskeletal Injuries **Unit(s): 3**
- KIN 426 - Individualized Assessment and Program Design **Unit(s): 4**
- KIN 430E - Field Experience in Lifetime Fitness **Unit(s): 1-3 (3 Unit(s) Required)**
- KIN 446 - Exercise Instruction **Unit(s): 3**

Electives

Choose a minimum of 2 courses:

- KIN 404C - Theory of Coaching **Unit(s): 3**

- KIN 427 - Individuals with Disabilities in Educational and Recreational Settings **Unit(s): 3**
- BIOL 318 - Biology of Aging **Unit(s): 3 ***
- BUS 150 - Business and Society **Unit(s): 3**
- PSY 408 - Transitions in Adult Development **Unit(s): 4**
- SOCI 317 - Emotions and Adult Life **Unit(s): 4 ***

Coach Education Emphasis

The Coach Education Emphasis serves students interested in coaching sports at the recreational, youth, high school and collegiate levels. As sports have become increasingly embedded in American culture (e.g. in education, family life), there is a need for reflective, informed coaches. This program provides opportunities for students to acquire the skills required to become an effective coach in recreational, youth, high school, and collegiate competitive sports.

Emphasis Requirements

- KIN 241 - Emergency Response **Unit(s): 3**
- KIN 242 - Principles of Musculoskeletal Injuries **Unit(s): 3**
- KIN 403 - Ethics, Inclusion, and Equity in Coaching **Unit(s): 3**
- KIN 404C - Theory of Coaching **Unit(s): 3**
- KIN 426 - Individualized Assessment and Program Design **Unit(s): 4**
- KIN 430E - Field Experience in Lifetime Fitness **Unit(s): 1-3 (3 Unit(s) Required)**

Electives

choose a minimum of 1 course from the following:

- KIN 427 - Individuals with Disabilities in Educational and Recreational Settings **Unit(s): 3**
- KIN 446 - Exercise Instruction **Unit(s): 3**
- KIN 316 - Women in Sport: Issues, Images, and Identities **Unit(s): 3**

Units

Total in the Lifetime Physical Activity Concentration: 27

Total units in the major: 56

Total units in the Fitness and Wellness Emphasis: 22-24

Total units in the major with emphasis: 46-49

Total units in the Coach Education emphasis: 24-27

Total units in the major with emphasis: 53-56

Sample Four-Year Program

Kinesiology, B.S., Lifetime Physical Activity Concentration, Fitness and Wellness Emphasis

Lower-Division Preparation

Freshman Year: 30 Units

Fall Semester (14 Units)

- BIOL 115 - Introduction to Biology **Unit(s): 3**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
GE

Spring Semester (15 Units)

- CHEM 105 - Elements of General, Organic, and Biochemistry **Unit(s): 5**
- GE
Electives

Sophomore Year: 30 Units

Fall Semester (14 Units)

- BIOL 220 - Human Anatomy **Unit(s): 4**
- GE

Spring Semester (16 Units)

- KIN 201 - Foundations of Kinesiology **Unit(s): 3**
- BIOL 224 - Human Physiology **Unit(s): 4**
- KIN 242 - Principles of Musculoskeletal Injuries **Unit(s): 3**
- GE

Upper-Division Specialization

Junior Year: 29-30 Units

Fall Semester (13-14 Units)

- KIN 301 - History and Philosophy of Human Movement **Unit(s): 4**
OR
- KIN 315 - Sociology of Sport **Unit(s): 3**
- KIN 241 - Emergency Response **Unit(s): 3**
- KIN 426 - Individualized Assessment and Program Design **Unit(s): 4**
Elective

Spring Semester (16 Units)

- KIN 360 - Physiology of Exercise **Unit(s): 4**
- KIN 410 - Lifespan Motor Development **Unit(s): 3**
- F&W Elective
- F&W Elective
- UD GE

Senior Year: 30-31 Units

Fall Semester (16 Units)

- KIN 350 - Biomechanics **Unit(s): 4**
- KIN 430E - Field Experience in Lifetime Fitness **Unit(s): 1-3**
Elective
- UD GE

Spring Semester (15 Units)

- KIN 305 - Psychological Bases of Human Movement **Unit(s): 4**
Electives
- KIN 446 - Exercise Instruction **Unit(s): 3**
UD GE

Total Units: 120

Kinesiology, B.S., Lifetime Physical Activity Concentration, Coach Education Emphasis

Lower-Division Preparation

Freshman Year: 30 Units

Fall Semester (14 Units)

- BIOL 115 - Introduction to Biology **Unit(s): 3**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- CS 101 - Introduction to Computers and Computing **Unit(s): 3**
- GE

Spring Semester (16 Units)

- CHEM 105 - Elements of General, Organic, and Biochemistry **Unit(s): 5**
- GE

Sophomore Year: 31 Units

Fall Semester (15 Units)

- BIOL 220 - Human Anatomy **Unit(s): 4**
- Nutrition
- GE

Spring Semester (16 Units)

- KIN 201 - Foundations of Kinesiology **Unit(s): 3**
- BIOL 224 - Human Physiology **Unit(s): 4**
- KIN 242 - Principles of Musculoskeletal Injuries **Unit(s): 3**
- GE

Upper-Division Specialization

Junior Year: 26-28 Units

If all minimum units are chosen, 4 more units will be required for the University 120 unit Degree Requirement.

Fall Semester (13-14 Units)

- KIN 301 - History and Philosophy of Human Movement **Unit(s): 4**
- KIN 315 - Sociology of Sport **Unit(s): 3**
- KIN 404 **Unit(s): 2-3**
- Elective

Spring Semester (13-14 Units)

- KIN 360 - Physiology of Exercise **Unit(s): 4**
- KIN 410 - Lifespan Motor Development **Unit(s): 3**

Senior Year: 29-31 Units

If all minimum units are chosen, 4 more units will be required for the University 120 unit Degree Requirement.

Fall Semester (12-14 Units)

- KIN 350 - Biomechanics **Unit(s): 4**
- KIN 430E - Field Experience in Lifetime Fitness **Unit(s): 1-3 (3 Unit(s) Required)**
- CE Elective
- UD GE

Spring Semester (17 Units)

- KIN 305 - Psychological Bases of Human Movement **Unit(s):** 4
- KIN 460 - Conditioning for Performance and Health **Unit(s):** 3
- KIN 403 - Ethics, Inclusion, and Equity in Coaching **Unit(s):** 3
- KIN 426 - Individualized Assessment and Program Design **Unit(s):** 4
- UD GE

Total Units: 120

School of Social Sciences

Maureen Buckley, Interim Dean
Stevenson Hall 2078
(707) 664-3107

The social sciences are united by the study of human behavior, society and social relationships. To comprehend adequately the state of the human condition, the interaction of people with their social and physical environments – past, present, and future – must be examined. Social scientists use their knowledge to contribute to the advancement of human and environmental welfare.

The School of Social Sciences at Sonoma State prepares students for living and working in an increasingly complex, globalized world. Our students (a) become familiar with the drivers and effects of globalization across time and in specific places, (b) examine cultural, economic, political, and environmental inter-relationships and behaviors, (c) learn how different cultures at different times organize themselves to deal with social groups beyond themselves, (d) develop skills in working with others, complex problem solving, critical thinking, and communication, and (e) explore the inter-relationships between individuals and their wider world, both social and environmental, and how each shapes and informs the other across lifespans and generations. Our School and its departments provide students with many opportunities to apply this knowledge in real-world settings.

Our School encompasses a particularly interesting combination of departments and programs. A student can choose from a variety of opportunities, ranging from the core of "traditional" social science fields with an emphasis on understanding human behavior and applying this knowledge (anthropology, history, political science, psychology, and sociology), to various cross-disciplinary programs (geography, environment and planning, women's and gender studies, and human development), to programs with a professional emphasis (counseling, criminology and criminal justice studies, and public administration).

The school oversees several respected centers and institutes, including the Anthropological Studies Center, the Center for Holocaust and Genocide Studies, the Northwest Information Center, the Center for Interdisciplinary Geospatial Analysis, the Institute for Community Planning Assistance, and the Center for Sustainable Communities. These centers and institutes generate a number of contracts and grants that come to the University and provide paid student internships on a large variety of applied projects.

Students in the social sciences have opportunities to work with faculty engaged in scholarship across varied domains including primatology, archaeology, human services, demography, cross-cultural and multicultural competence, globalization, development, social justice, and energy studies.

The School of Social Sciences is dedicated to achieving the University's strategic priorities of student success, academic excellence, leadership cultivation, and transformative impact. Our programs embody the University's core values of (a) diversity and social justice, (b) sustainability and environmental inquiry, (c) connectivity and community engagement, and (d) adaptivity and responsiveness.

Anthropology

Department Office
Stevenson Hall 2054
(707) 664-2312
anthropology.sonoma.edu

Department Chair
Alexis Boutin

For faculty information, please see Faculty or the Anthropology faculty web page.

Anthropology as a discipline studies the foundations and forms of human social and cultural diversity, past and present, via biology and behavior, language and material culture. Anthropology as a practice seeks to apply this knowledge to the solution of human problems. Anthropologists study how human beings have come to be as they are, a physically distinct species, communicating through language, adapted to every habitat on earth, and living an amazing variety of lives. As anthropologists have become increasingly engaged with the contemporary world, they have led in the development of new global and local perspectives on how culturally different peoples interact in contexts of power and inequality, and how humans continuously transform their ways of life in response to environmental and social change.

For the members of Sonoma State University anthropology faculty, research and teaching are inseparable. The Anthropology department encourages both graduate and undergraduate students to meet professional standards of achievement in their work and research. The faculty assists students in developing and executing individual research projects. Students often present the results of their work in professional meetings, juried research publications and public documents.

Through training in anthropology, students learn about many different cultures throughout the world, how they developed, the significance of their differences, and how they change over time. Students develop a set of skills for applying broad, integrative perspective to both themselves and others. Anthropology integrates this broad, holistic human science across four major subfields:

- Biological Anthropology deals with the evolution of the human body, mind, and behavior as inferred through study of fossils and human remains and comparisons with behavior and anatomy of other primate species.
- Archaeology examines our past ways of life through the interpretation of material remains, written records, and oral traditions.
- Cultural Anthropology explores the diversity of existing human ways of life, how they work, how they change, and how they interrelate in the modern world.
- Linguistic Anthropology examines the structure and diversity of language and related human communication systems, how these forms of communication interrelate with other sociocultural phenomena, and how these forms change over time.

Students of anthropology acquire skill in the formation of both theoretical and practical questions regarding human life, in collecting and organizing data on many levels of human biology and behavior, and in constructing appropriate interpretations and generalizations based on well thought out procedures. The combination of knowledge about human ways of life and training in analytical skills

affords experiences that are crucial to any field dealing with human society and culture. This perspective is invaluable in preparing students for careers either in research professions or in a wide range of professional fields, including cultural resources management, environmental planning, nursing, teaching, public health administration, business, public relations, law, community development, and international service.

The bachelor of arts in anthropology provides a balanced grounding in the theoretical approaches and the body of knowledge central to the discipline of anthropology. The anthropology program also combines well with majors and minors in other departments and programs. The minor in anthropology recognizes basic training in anthropology as a complement to a major in other subjects. Faculty advisors in the department can help students plan a course of study to take advantage of this multidisciplinary strategy.

Careers in Anthropology

As stated on the American Anthropological Association website: "Anthropological study provides training particularly well suited to the 21st century. The economy will be increasingly international; work forces and markets, increasingly diverse; participatory management and decision making, increasingly important; communication skills, increasingly in demand. Anthropology is the only contemporary discipline that approaches human questions from historical, biological, linguistic, and cultural perspectives." Professional anthropologists are employed in government, in the business world, in education, and in a wide range of nonprofit organizations and institutions

For example:

- Cultural anthropologists are employed in a wide range of settings including government agencies from the local to national levels, international organizations such as the World Bank, non-governmental agencies, private industry, academia, and others. They work on issues including economic development, natural resource management, tourism, environmental preservation, globalization, and many others.
- Archaeologists are employed by a host of federal and state agencies charged with locating and preserving sites that contain information about our own prehistoric and historic past. They work with a variety of descendant communities in a wide range of settings, from inner cities to wilderness areas.
- Biological anthropologists work in a variety of settings, including medical schools (as anatomists), medical research facilities (as medical geneticists and physiologists), in cultural resources management (as bioarchaeologists), in crime laboratories (as forensic anthropologists and expert witnesses), and in zoos (as designers of captive habitats) and nature conservancies (as conservationists studying critically endangered primate species).
- Linguistic anthropologists are active and helpful in the design, evaluation, and implementation of curricula for teaching languages, whether to linguistic minorities who do not speak dominant languages or to those whose linguistic capacities differ.

You can explore careers in anthropology further on the American Anthropological Associations careers website.

The department also offers a master of arts degree in Cultural Resources Management (CRM). This is a professional field that involves the identification, evaluation, and preservation of cultural resources within legal and planning contexts. The primary objective of the master's program is to produce professionals competent in research design and data collection and analysis, as well as the legal mandates of North American CRM. Program graduates work as historic preservation specialists, environmental planners, and archaeologists for government agencies and as private consultants.

Anthropology Department Resources

Anthropological Studies Center

The department's Anthropological Studies Center (ASC) provides students with the opportunity to participate in prehistoric and historical archaeology, geoarchaeology, the conservation and analysis of archaeological materials, local history, and public outreach in the context of grant and contract-aided research projects. The Center has more than 5,000 square feet of archaeological laboratory and curation facilities and is supported by a professional staff. Internships are offered every semester.

David Fredrickson Anthropology Laboratory

The department's anthropology laboratory has a computer configured for linguistic applications, including the analysis and transcription of audio and video data. In addition, the department's human skeletal material and fossil cast collections (which include cranial and post-cranial material) are also housed in the anthropology lab and are regularly used in biological anthropology courses. This lab is often used for methods courses.

Other resources include an active Anthropology Club, an anthropology lounge and library, and computer services.

Anthropology Scholarships

The Conni Miller Memorial Scholarship is available to all Anthropology majors. Students conducting primate behavior research can apply for a Marcia K. Brown memorial primatology scholarship. Contact the Scholarship Office for information.

Anthropology, B.A.

Degree Requirements	Units
General education (48, 9 units in major)	41
Major core requirements	37
Major electives	3
General electives	39
Total units needed for graduation	120

Note: A maximum of 12 transfer units in lower-division courses can be used to complete the 40-unit anthropology major options and advisory plans.

** Students must earn a C- or better in any course applied to the major.*

Major Core Requirements

Complete the following four introductory courses.

The introductory course should be completed prior to enrolling in the respective upper division subfield course.

- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**
- ANTH 201 - Introduction to Biological Anthropology **Unit(s): 3**
- ANTH 202 - Introduction to Archaeology **Unit(s): 3**
- ANTH 203 - Introduction to Cultural Anthropology **Unit(s): 3**

Complete the following synthesis course during the first year of upper-division instruction:

- ANTH 300 - Nature, Culture, and Theory: The Growth of Anthropology **Unit(s): 4**

Complete one course from each of the four subfields of anthropology and a methods course as listed below.

The respective introductory course listed above should be completed prior to enrolling in an upper division course.

Complete one of the following courses in Biological Anthropology:

* At least one such course offered each semester.

- ANTH 301 - Human Fossils and Evolution **Unit(s): 4**
- ANTH 302 - The Evolution of Males and Females **Unit(s): 4**
- ANTH 303 - Human Behavioral Ecology **Unit(s): 4**
- ANTH 305 - Topics in Biological Anthropology **Unit(s): 4**
- ANTH 313 - Primate Behavioral Ecology **Unit(s): 4**
- ANTH 315 - Forensic Anthropology Theory and Practice **Unit(s): 4**

Complete one of the following courses in Archaeology:

* At least one such course offered each semester.

- ANTH 322 - Historical Archaeology **Unit(s): 4**
- ANTH 324 - Archaeology and the Bible **Unit(s): 4**
- ANTH 325 - World Prehistory **Unit(s): 4**
- ANTH 326 - Topics in Archaeology **Unit(s): 4**
- ANTH 327 - Archaeology of North America **Unit(s): 4**
- ANTH 329 - Bioarchaeology **Unit(s): 4**

- ANTH 392 - Research in California Prehistory **Unit(s): 4**

Complete one of the following courses in Cultural Anthropology:

* At least one such course offered each semester.

- ANTH 342 - Organization of Societies **Unit(s): 4**
- ANTH 345 - Nature and Society: Topics in Anthropology and the Environment **Unit(s): 4**
- ANTH 352 - Global Issues **Unit(s): 4**
- ANTH 358 - Topics in Sociocultural Anthropology **Unit(s): 4**

Complete one of the following courses in Linguistic Anthropology:

* At least one such course offered each semester.

- ANTH 380 - Language, Culture, and Society **Unit(s): 4**
- ANTH 382 - Language Change **Unit(s): 4**
- ANTH 383 - Language in Sociopolitical Context **Unit(s): 4**
- ANTH 384 - Topics in Linguistic Anthropology **Unit(s): 3-4**
- ANTH 386 - Sign Languages and Signing Communities **Unit(s): 4**

Complete one course from the list of methods courses below:

* At least one such course offered each semester.

- ANTH 412 - Human Osteology **Unit(s): 4**
- ANTH 414 - Observing Primate Behavior **Unit(s): 4**
- ANTH 415 - Forensic Anthropology Methods **Unit(s): 4**
- ANTH 420 - Archaeology Methods **Unit(s): 4**
- ANTH 444 - Material Culture Studies **Unit(s): 4**
- ANTH 451 - Applied Ethnographic Methods **Unit(s): 4**
- ANTH 454 - Ethnographic Field School **Unit(s): 4**
- ANTH 480 - Studies of Language Use **Unit(s): 4**

Complete the following course the fall semester prior to graduation:

- ANTH 491 - Senior Seminar **Unit(s): 1**

Major Electives

To complete the 40-unit requirement for the major, students must choose the remaining units from other anthropology courses, including courses listed above or ANTH 240, ANTH 318, ANTH 341, or SSCI 299. Anthropology units in internship, special studies, and the community involvement program may be included.

Units

Total Units In Major Core: 37 Total Units In Major Electives: 3 Total Units In the Major: 40

Sample Four-Year Program

In this sample study plan, we either recommend specific general education (GE) courses or suggest select courses. In the major we require an upper-division (UD) course in each of the distinct subfields of anthropology, which are archaeology (AR), biological anthropology (BA), linguistic anthropology (LA), and cultural anthropology (CA). Specific offerings vary each semester; some occur on alternate years. This sequence and selection of specific courses are suggested; please see your advisor each semester.

Bachelor of Arts in Anthropology

Freshman Year: 32 Units

Fall Semester (16 Units)

- ANTH 203 - Introduction to Cultural Anthropology **Unit(s): 3**
- GE
- GE
- GE

Spring Semester (16 Units)

- ANTH 201 - Introduction to Biological Anthropology **Unit(s): 3**
- GE
- GE
- University Elective
- University Elective

Sophomore Year: 29-30 Units

Fall Semester (13-14 Units)

- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**
- GE
- GE
- GE

Spring Semester (16 Units)

- ANTH 202 - Introduction to Archaeology **Unit(s): 3**
- GE
- GE
- GE

- University Elective

Junior Year: 29-30 Units

Fall Semester (15 Units)

- ANTH 300 - Nature, Culture, and Theory: The Growth of Anthropology **Unit(s): 4**
- UD ANTH AR/BA/LA/CA
- UD GE

Spring Semester (14-15 Units)

Senior Year: Minimum of 28 Units

Fall Semester (14-16 Units)

- ANTH 491 - Senior Seminar **Unit(s): 1**
- UD GE
- ANTH Methods
- ANTH Elective
- University Elective

Spring Semester (14-16 Units)

- ANTH Elective
- ANTH Elective
- ANTH Elective
- ANTH Elective

Total Units: 120

Anthropology, Minor

The Anthropology Minor consists of 20 units, at least 8 of which must be upper division, chosen by the student in consultation with a faculty advisor. Students must earn a C- or better in any course applied to the minor.

Cultural Resources Management, M.A.

Coordinator

Laura A. Watt

The master of arts in Cultural Resources Management (CRM) involves the identification, evaluation, and preservation of cultural resources, as mandated by cultural resources legislation and guided by scientific standards within the planning process. A key goal of the master's program in CRM is to produce

graduates who excel in the methods and techniques employed by heritage professionals, and who have the theoretical background necessary for research design, data collection, analysis, and interpretation.

Persons with an M.A. in CRM will be qualified to hold management and supervisory positions within all sectors of the heritage industry. Graduates meet the qualifications for professional certification in the United States, but are also well grounded in international heritage legislation and practice.

The CRM program emphasizes:

1. Experience in all aspects of regulatory CRM, from project development to execution, consultation, and community engagement.
2. Experience in conducting identification and analyses of archaeological, historical, osteological, geoarchaeological, linguistic, and sociocultural data to implement environmental protection and historic preservation legislation in both the public and private sectors.
3. Training in the professional traditions of inquiry within anthropology, history, geography, and environmental planning to identify heritage resources, assess their research and preservation significance, and determine appropriate courses of action.
4. Experience with the techniques, regulations, and guidelines for field and laboratory data collection, analysis, reporting, and management.
5. Experience with archival preparation, data and artifact storage, curation facilities, and public interpretation.

Students in the program, under the supervision of a primary faculty advisor, develop a plan of study and thesis project that reflects their particular interest in CRM. In addition, students are encouraged to present the results of their work and research in professional meetings, research publications, and public documents.

Facilities and Faculty

CRM faculty teach, advise and serve as thesis committee members and chairs in the CRM program. Our core faculty are professors in the departments of Anthropology and Geography, Environment, and Planning. Their expertise is in heritage legislation and policy, prehistoric and historical archeology, material culture, environmental and landscape history, geoarchaeology, bioarchaeology and forensic anthropology, ethnography, oral history, spatial analysis, remote sensing and other digital technologies, and paleogeography. Affiliated CRM faculty, serving in other departments on campus, regularly teach supporting courses, and can also serve as thesis committee members.

The Anthropological Studies Center (ASC), an affiliated CRM organization within SSU, provides students with the opportunity to gain real world experience in contract and grant-based prehistoric and historical archaeology, geoarchaeology, tribal consultation, community engagement, oral history, and collections management. The ASC has more than 5,000 square feet of office, laboratory, and curation facilities and is supported by a full-time professional staff, many of whom are past graduates of the M.A. in CRM program. Internships for graduate and undergraduate students at the ASC are offered regularly. The ASC website can be found at www.sonoma.edu/asc/.

The Northwest Information Center (NWIC), an adjunct of the State Office of Historic Preservation, manages historical records, resources, reports, and maps; supplies historical resources information to the private and public sectors; and compiles and provides a referral list of qualified historical resources

consultants. Internships for graduate and undergraduate students at the NWIC are also offered regularly. The NWIC website is www.sonoma.edu/NWIC.

Requirements for the Degree

All students in the cohort-based program complete a set of courses totaling 30 academic units, including a required core of 24 units, and an additional 6 units of supporting coursework. Each student, under the supervision of a primary faculty advisor, develops a plan of study and thesis project that reflects their interests or desired areas of specialization. The program is typically completed in six to seven semesters, although faster completion is possible. Ideally, coursework proceeds in conjunction with a student's developing interests and expertise, so that by the time s/he is ready to write a thesis prospectus, the completed courses help focus the upcoming research project.

Requirements for the Degree

The coursework required for the CRM M.A. totals 30 academic units and is typically completed in six to seven semesters. This design presumes that students are enrolled full-time and not working more than part-time. Students are admitted to the program with Conditionally Classified graduate status. They must fulfill certain requirements before being fully accepted into the program and able to enroll in Thesis Prospectus units. These requirements include successful completion of ANTH 500, maintenance of a minimum 3.6 GPA, and timely resolution of any incomplete grades. Departmental policy stipulates that no more than 10 units of the 30 unit program may be revalidated beyond the 7-year limit defined by the CSU.

* Internships are decided upon by discussion between the student and his or her advisor. Students will normally take both on-campus and off-campus internships. On-campus internships are available at the Cultural Resources Facility, the Interpretive and Outreach Services Office, the Northwest Information Center, and the Archaeological Collections Facility. Off-campus agencies include the State Office of Historic Preservation, the National Park Service, the Museums of Sonoma County, and many others.

- ANTH 500 - Proseminar **Unit(s): 4**
- HIST 472 - California History I **Unit(s): 4**
- ANTH 502 - Archaeology: History and Theory **Unit(s): 3**
- ANTH 503 - Seminar: Cultural Resources Management **Unit(s): 3**
- ANTH 592 - Practicum in National Register of Historic Places **Unit(s): 2**
- ANTH 595 - Special Studies **Unit(s): 1-4**
- ANTH 596 - Agency Internships **Unit(s): 1-3**
- ANTH 597 - Anthropology Internships **Unit(s): 1-3**
- ANTH 599A - Thesis **Unit(s): 2-3**
- ANTH 599B - Thesis **Unit(s): 2-3**

Units

Total units in the CRM degree: 30

Admission to the Program

Applications must be submitted separately by January 31 to the Graduate Coordinator and to the Office of Admissions and Records (via Cal State Apply) for possible acceptance into the program the following academic year. Consult with the program's Graduate Coordinator and website for departmental requirements and submissions. While archaeology is a focus, the program emphasizes CRM as an interdisciplinary profession. Students with degrees in history, geography, and planning, as well as anthropology, are frequently accepted.

Counseling

Department Office
Nichols Hall 220
(707) 664-2544
web.sonoma.edu/counseling

Department Chair
Adam Zigelbaum

For faculty information, please see Faculty or the Counseling faculty web page.

The 60-unit graduate program in counseling offers two professional training options: Option I prepares students for Clinical Mental Health Counseling (CMHC) and eventual licensure as a Marriage and Family Therapist (MFT) and/or as a Licensed Professional Clinical Counselor (LPCC); Option II prepares students for the School Counseling and the Pupil Personnel Services Credential (SC/PPSC). The program relies heavily on interpersonal skill training and field experience, beginning during the first semester and culminating with an intensive supervised traineeship/field experience in some aspect of counseling, permitting the integration of theory, research, and practical application. The Department is prepared to assist students in obtaining field placements relevant to their projected professional goals. These placements include, but are not limited to: marriage and family counseling agencies, mental health clinics, counseling centers and public schools. For the school counseling program, field placements are at a minimum of two of the three K-12 levels: elementary school, middle school, and high school.

Special characteristics of the program include the following:

1. Early observation of and involvement in actual counseling settings;
2. Development of a core of knowledge and experience in both individual and group counseling theory and practice;
3. Encouragement in the development and maintenance of individual counseling styles;
4. Commitment to self-exploration and personal growth through participation in peer counseling, individual counseling, and group experiences. These academic and non-academic competencies are seen as crucial to the development of adequate counseling skills and are given special consideration by the faculty as part of its evaluation of student readiness to undertake fieldwork responsibilities; and
5. Strong emphasis on acknowledging and appreciating diversity.

In sum, the training emphasis in the program is to integrate theory, practical experience, and personal learning rather than exposing students to a piecemeal professional preparation. To varying degrees, students will find that in most of their course work the faculty expects students to be able to articulate

their unique and personal histories, including their relationships with family, peers, and significant others, for it is our belief that self-understanding is crucial in effective counseling.

The effort is to establish a sound foundation in the student for a lifetime of continued professional growth — a foundation which permits confident movement into an entry-level counseling position. This is a 60 unit program.

The faculty is committed to the idea that counselors of the future should take an active role in helping to shape the social/environmental milieu in which they will work. While the faculty recognizes how difficult this task may be in specific instances and areas, it sees the counselor as one who actively participates in the life of an organization, and as a sensitive and perceptive voice representing individual freedom and human values. Leadership skills, and the skills necessary to facilitate change, are stressed in this program.

The master's program may be completed within two academic years; however, some students with jobs and/or family responsibilities may wish to move more slowly. Resources permitting, efforts will be made to accommodate individual patterns. For most students, 8 units per semester will be considered a minimal number. It should be stressed that individual program paths should be planned very carefully since many courses will not be offered every semester.

The Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body recognized by the Council for Higher Education Accreditation (CHEA), has conferred accreditation to the Counseling Department at Sonoma State University in both Community Counseling and School Counseling. The School Counseling program is accredited by the California Commission on Teacher Credentialing (CCTC). The Clinical Mental Health Counseling program is not designed to meet criteria for CACREP's Marital, Couple, and Family Counseling/Therapy specialization; however, it is accredited by the Board of Behavioral Science for training required for licensure as a Marriage and Family Therapist in California.

Option I - Clinical Mental Health Counseling (MFT & LPCC), M.A.

Completion of the CMHC option, in addition to the major core requirements above, satisfies all academic requirements for the MFT & LPCC licenses. If the Board of Behavioral Sciences (BBS) mandates changes in curriculum for trainees in either license path, the Department of Counseling will revise courses accordingly so the curriculum remains in compliance with BBS standards. The course descriptions in this catalog edition may not be the most current versions if such curricular revisions are undertaken after the catalog is printed.

Requirements

- COUN 502 - Whole Lifespan Development **Unit(s): 4**
- COUN 503 - Clinical Diagnosis and Treatment Planning **Unit(s): 4**
- COUN 510B - Applied Counseling Practicum and Advanced Techniques **Unit(s): 4**
- COUN 512 - Theory and Practice of Group Counseling **Unit(s): 4**
- COUN 515A - CMHC Supervised Field Experience I **Unit(s): 4**
- COUN 515B - CMHC Supervised Field Experience II **Unit(s): 4**

- COUN 540 - Counseling Diverse Couples and Families **Unit(s): 4**
- COUN 545 - Counseling Orientation, Law and Ethics, and Case Management Practices **Unit(s): 4**
- COUN 580 - Couples and Sexuality Counseling **Unit(s): 4**
- COUN 582 - Psychopharmacology for Counselors **Unit(s): 3**
- COUN 583 - Substance Abuse and Dependence **Unit(s): 2**

Option II - School Counseling/Pupil Personnel Services Credential, M.A.

Completion of the School Counseling/Pupil Personnel Services (PPS) option, in addition to the major core requirements above, satisfies the academic requirements in order to be eligible for the Pupil Personnel Services credential in school counseling. While it is possible to complete all the courses required for the credential in a two-year period, such a program requires careful planning. The department intends to offer each PPS course at least once a year, but students need to plan the sequence with their advisor to ensure it matches the availability of courses.

Requirements

- COUN 510B - Applied Counseling Practicum and Advanced Techniques **Unit(s): 4**
- COUN 511G - Academic and Career Planning and Counseling Issues of K-12 Populations **Unit(s): 1**
- COUN 514A - School Counseling Supervised Field Experience I **Unit(s): 4**
- COUN 514B - School Counseling Supervised Field Experience II **Unit(s): 4**
- COUN 520 - Introduction to School Counseling **Unit(s): 4**
- COUN 521 - Seminar: Pupil Personnel Services - Concepts and Organization **Unit(s): 4**
- COUN 523 - Working with Families in School Setting **Unit(s): 4**
- COUN 524 - Counseling Children and Adolescents **Unit(s): 4**
- COUN 526 - Group Counseling in the Schools **Unit(s): 4**
- COUN 527 - Law and Ethics for School Counselors **Unit(s): 4**
- COUN 528A - Consultation **Unit(s): 3**
- COUN 528B - Crisis Intervention **Unit(s): 1**

Criminology and Criminal Justice Studies

Department Office
Stevenson Hall 2084
(707) 664-2934
www.sonoma.edu/ccjs

Department Chair
Napoleon C. Reyes

For faculty information, please see Faculty or the CCJS faculty web page.

The Criminology and Criminal Justice Studies major offers a liberal arts curriculum concerned with the changing nature and content of law; the shifting public expectations of criminal justice agencies; the

implications of diversity along the lines of race, gender, and class; and the reactions of those agencies to social perceptions and political pressures.

The student is offered an interdisciplinary, multi-methodological, academic approach to the understanding of the mechanisms of social control, resolutions of criminal justice problems, and a knowledge of accepted procedures and alternatives.

This general but all-important background serves as a base for the areas of emphasis that are of interest to the individual student. Fields of interest — such as adult and juvenile probation, law enforcement, judicial administration, public advocacy, prevention and diversion, and correctional services — are studied in detail from several perspectives. Criminology and Criminal Justice Studies majors are prepared to pursue graduate education in justice studies, law, criminology, and other graduate fields.

Criminology and Criminal Justice Studies, B.A.

Degree Requirements	Units
General education (48, 4 units in major)	44
Major core requirements	40
CCJS electives	8
Criminal Justice and/or Social Science electives (chosen under advisement)	12
University Electives	16
Total units needed for graduation	120

Please note that transferable units from other institutions may be applied to the category "Criminal Justice and/or Social Science electives." Coursework taken at this university to complete the major requirements must be selected in consultation with your department advisor.

Upper division GE in Social Sciences may count toward the 12 units of "Criminal Justice and/or Social Science electives."

Students must consult with a faculty advisor before beginning core courses. CCJS students (majors and minors) must receive a C-or better in the core and elective courses.

Major Core Requirements

** The internship requirement may, at the department's discretion, be waived for students currently or previously employed in criminal justice or a related area. It must be substituted with another 4-unit CCJS course.*

- CCJS 201 - Criminal Justice and Public Policy **Unit(s): 4**
- CCJS 370 - Seminar in Research Methods **Unit(s): 4**

- CCJS 330 - Government and the Rule of Law **Unit(s): 4 OR**
- CCJS 404 - Introduction to Constitutional Law **Unit(s): 4**

- CCJS 405 - Rights of the Accused **Unit(s): 4 OR**
- CCJS 489 - Civil Liberties and the Constitution **Unit(s): 4**
- CCJS 407 - Police, Courts, and Community Relations **Unit(s): 4 OR**
- CCJS 430 - Women and Crime **Unit(s): 4 OR**
- CCJS 470 - Media, Crime, and Criminal Justice **Unit(s): 4 OR**
- CCJS 480 - White Collar Crime **Unit(s): 4**
- CCJS 420 - Seminar in Criminology **Unit(s): 4**
- CCJS 450 - Punishments and Corrections **Unit(s): 4**
- CCJS 490 - Senior Seminar in Criminology and Criminal Justice Studies **Unit(s): 4**
- CCJS 497 - Juvenile Justice **Unit(s): 4**
- CCJS 499 - Internship **Unit(s): 4 ***

Units

Total units in major core: 40

Sample Four-Year Program

The following is a sample study plan only. The sequence and specific courses given are suggestive; please see an advisor each semester to plan your personal program.

Bachelor of Arts in Criminology and Criminal Justice Studies

Freshman Year: 30 Units

Fall Semester (15 Units)

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s): 3**
- Mathematics GE
- GE
- Electives

Spring Semester (15 Units)

- PHIL 101 - Critical Thinking **Unit(s): 4**
- Computer Science
- SPAN 101 - Basic Spanish, First Semester **Unit(s): 4**
- SPAN 101L
- GE

Sophomore Year: 30 Units

Fall Semester (15 Units)

- CCJS 201 - Criminal Justice and Public Policy **Unit(s): 4**
- SPAN 102 - Basic Spanish, Second Semester **Unit(s): 4**
- SPAN 102L
- GE
- GE

Spring Semester (15 Units)

- GE
- GE
- GE
- GE
- Elective

Junior Year: 30 Units

Fall Semester (15 Units)

- CCJS 420 - Seminar in Criminology **Unit(s): 4**
- CCJS 404 - Introduction to Constitutional Law **Unit(s): 4 OR**
- CCJS 330 - Government and the Rule of Law **Unit(s): 4**
- CCJS 450 - Punishments and Corrections **Unit(s): 4**
- Upper-Division GE

Spring Semester (15 Units)

- CCJS 405 - Rights of the Accused **Unit(s): 4 OR**
- CCJS 489 - Civil Liberties and the Constitution **Unit(s): 4**
- CCJS 370 - Seminar in Research Methods **Unit(s): 4**
- Upper-Division GE
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- CCJS 499 - Internship **Unit(s): 4**
- CCJS 497 - Juvenile Justice **Unit(s): 4**
- Upper-Division GE
- Upper-Division GE

Spring Semester (15 Units)

- CCJS 490 - Senior Seminar in Criminology and Criminal Justice Studies **Unit(s): 4**
- CCJS 407 - Police, Courts, and Community Relations **Unit(s): 4 OR**
- CCJS 430 - Women and Crime **Unit(s): 4 OR**
- CCJS 470 - Media, Crime, and Criminal Justice **Unit(s): 4 OR**
- CCJS 480 - White Collar Crime **Unit(s): 4**
- Elective
- GE

Total Units: 120

Criminology and Criminal Justice Studies, Minor

The minor consists of a 20-unit pattern of Criminology and Criminal Justice Studies courses at SSU chosen in consultation with assigned department faculty advisor. A maximum of 4 units of special studies or internship credit may be applied to the minor.

Minor courses must be taken in residence and for a letter grade, except for the internship which is offered Cr/NC only.

Global Studies

Department Office
Geography, Environment, and Planning
Stevenson Hall 3016
(707) 664-2306

Program Coordinator
Rheyne Laney (707) 664-2183

The Bachelor of Arts in Global Studies is an interdisciplinary program that prepares students for international or intercultural service through the study of other cultures, world history, political and economic systems, world geography and environment, cross-cultural communication and conflict resolution, and a modern language. Recognizing the increasing interdependence of the world and the global nature of contemporary issues, the major is designed to increase awareness and understanding of other cultures and systems as well as global issues, while developing the skills needed to work effectively in a global or multicultural context.

The Approved concentrations are Development, and Area Studies through Study Abroad.

Intermediate-level (or higher) proficiency in a modern language other than English is required of all global studies majors. Students may demonstrate this proficiency either by passing an intermediate-level proficiency exam or by completing a fourth-semester standard language course (202 [plus lab] or equivalent) with a grade of C or better.

All global studies majors are expected to participate in an intensive cross-cultural experience of at least 135 hours of duration, during which they speak primarily a language other than their mother tongue. Students normally will meet this expectation by studying or working abroad. When travel abroad is impossible, students may arrange an extended cross-cultural experience closer to home, e.g., living and working for a summer in an immigrant community. (Students who have spent extended time in other than mainstream-U.S.-American circumstances, speaking a language other than English, may already have met this expectation.)

Students interested in declaring a global studies major are urged to take MATH 165 to meet the GE requirement for mathematics, category B.

Careers in Global Studies

Most global studies majors intend to pursue international careers. Positions most readily available to new graduates without specialized training are with non-profits such as the federal government (Peace Corps, Foreign Service), international service agencies (CARE, UNICEF, or Direct Relief International), and English-language teaching jobs.

Many overseas careers require an advanced degree (e.g., law, business, and international affairs) and/or working your way up within an organization and positioning yourself for an international assignment.

Global Studies, B.A.

Degree Requirements	Units
General education (48, 13-16 units in major)	32-35
Core Courses	34-40
Concentration	24
General electives	21-30
Total units needed for graduation	120

Note: Courses required for the major must be taken for a traditional letter grade, except for courses that are offered Cr/NC only. Students must earn a C- or better in any course applied to the major.

Program Learning Outcomes

- Demonstrate awareness of diverse social, economic, political, cultural, environmental and demographic conditions found around the world
- Demonstrate understanding of the global political, economic and social system, and how world regions contribute to that system
- Develop an awareness of human aspirations across the globe and conditions inhibiting them
- Understand the complex nature of contemporary social issues (for example poverty, health and education, immigration and refugees, political nationalism, environmental justice, human rights, etc), and different theoretical or ideological approaches to addressing them

- Acquire the communication skills needed to work effectively in a global or multicultural context
- Engage as active citizens in your community, country, global society

Core Courses (34-40 units)

Language Skill Requirement

(1 course or verified proficiency:)

Intermediate level proficiency in a modern language other than English is required, which is typically met by completing a fourthsemester standard language course with a grade of C or better. With department approval, the requirement may be waived if proficiency in a language has been met through prior language study, study abroad, or test credit.

Cultural Perspectives

- ANTH 203 - Introduction to Cultural Anthropology **Unit(s): 3**
- GEP 203 - Human Geography **Unit(s): 3**

Environmental Perspectives

- GEP 201 - Global Environmental Systems **Unit(s): 3**
- GEP 206 - Society, Environment, and Sustainable Development **Unit(s): 3**

Historical Perspectives

- HIST 202 - Development of the Modern World **Unit(s): 3**
- HIST 380 - Twentieth Century World **Unit(s): 3**

Political Perspectives

- POLS 303 - Comparative Political Analysis **Unit(s): 4**
- POLS 304 - Theory and Analysis of International Relations **Unit(s): 4**

Religious and Ethical Perspectives

- PHIL 302 - Ethics and Value Theory **Unit(s): 4**
- SOCI 431 - Sociology of Religion **Unit(s): 4**
- POLS 307 - Perspectives on the Holocaust and Genocide **Unit(s): 4**
- ENGL 304 - War and Peace Lecture Series **Unit(s): 4**

World Regions Overview

- GEP 305 - World Regions in Global Context **Unit(s): 4**

Professional Development

- GLBL 310 - Professional Preparation **Unit(s): 1**

Concentration (24 units)

- Development Concentration
- Area Studies Through Study Abroad, B.A.

Capstone (13 units)

Cross Cultural Experience

- GLBL 497 - Cross-Cultural Community Service Internship **Unit(s): 3**
- GEP 320 - Geopolitics **Unit(s): 4**
- Capstone Project (2 semesters)

Global Studies, Minor

This minor is intended to serve students who are studying abroad. Students take courses focused on the region in which they are studying. This minor does not apply to Spanish-, French- or German speaking countries. In those cases, students should choose a Language or Latin American Studies Minor. SSU courses may apply, but cannot be relied upon to fulfill the minor's 20 unit minimum. Two courses may be from the Arts and Humanities. The rest must be from the Social Sciences.

Group I- Language Skills

Intermediate-low level proficiency (2 college semesters) in a modern language other than English, with the expectation that students will take language courses while studying abroad.

Group II- Regional

(at least 2 courses)

Courses encompassing the broader region in which the host country lies. Courses available at SSU:

Europe

- HIST 412 - Europe Since 1914 **Unit(s): 4**
- HIST 416 - Eastern Europe, 1918-1989 **Unit(s): 4**
- HIST 418 - Fall of European Communism **Unit(s): 4**
- POLS 350 - European Parliamentary Democracies **Unit(s): 4**

- POLS 352 - Politics of Eastern Europe **Unit(s): 4**

Asia

- POLS 450 - Politics of Asia **Unit(s): 4**
- HIST 346 - Class and Gender in Modern East Asia **Unit(s): 4**

Africa

- GEP 328 - Africa South of the Sahara **Unit(s): 4**

Group III – Sub-Regional

Courses focused on the study-abroad host country. Courses available at SSU:

Europe

- HIST 417 - Russian Empire **Unit(s): 4**
- HIST 419 - Soviet Union **Unit(s): 4**
- POLS 351 - Politics of Russia **Unit(s): 4**

Asia

- HIST 438 - Modern Japan **Unit(s): 4**
- HIST 435 - History of Modern China **Unit(s): 4**

Geography, Environment and Planning

Department Office
(707) 664-2306
www.sonoma.edu/gep/

Department Chair
Michelle Goman

For faculty information, please see Faculty or the GEP faculty web page.

The Geography, Environment, and Planning (GEP) Department's mission is to promote excellence in teaching and research across five areas of focus:

- 1) human-environment conflict and collaboration;
- 2) building resilience with environmental systems;
- 3) the application of geospatial and quantitative analyses to solving complex environmental and societal problems;

- 4) management and planning for sustainable communities; and
- 5) urban planning. For students, those goals are met through two degrees.

The Bachelor of Arts in Geography and Environment bridges the natural and social sciences in order to provide a more holistic and systematic analysis of the world. All students take a common set of foundational and intermediate courses that establish a strong background in the natural, social and quantitative sciences. They then take more specialized courses in their area of concentration. Five concentrations are offered, mirroring the five areas of focus identified above. Students also take two-semester capstone courses that pull their educational experience together.

The Bachelor of Science in Energy Management and Design prepares students to become professionals in the energy field. The curriculum is interdisciplinary, with foundational courses in math, physics, chemistry, computer science and economics. A set of upper division concentration courses within the department pulls those skills together as they apply to energy management.

Both degrees strengthen students' writing, critical thinking and oral presentation skills, which are important for any successful career. The degrees also encourage students to take on internships and engage in other practical experiences that help prepare for the working world.

Careers in Geography, Environment, and Planning

Each concentration within the Geography, Environment, and Planning curriculum provides students with strong interdisciplinary backgrounds in the social and physical sciences, planning, and energy management. This combination of breadth and in-depth instruction allows students to develop the intellectual foundations, skills, and flexibility needed to deal with the specific environmental and social issues of today and the future. Through the interdisciplinary nature of the degree program and concentrations, GEP graduates become prepared for careers in both the public and private sectors including environmental management and restoration, city and regional planning, education and environmental outreach, and residential and commercial energy fields. Graduates from the department often pursue advanced degree programs in a variety of fields (e.g. geography, ecology, planning, environmental law, education).

Admission Requirements

When applying to Sonoma State University and declaring a major, a student may declare a B.A. in Geography and Environment or a B.S. in Environmental Studies, Energy Management and Design. There are no admissions requirements for the B.A. in Geography and Environment degree. The B.S. in Environmental Studies degree requires students attain a minimum GPA of 2.75. A student considering this degree should make an appointment to see a faculty member for academic advising.

Financial Aid and Scholarships

Students seeking financial aid to assist them in their studies should contact the financial aid office. Several scholarships are provided specifically for GEP students through the University scholarship program. Please refer to the Scholarships section of this catalog.

Department Resources

Geospatial Technology Instructional Laboratory (GISL)

The Geography, Environment, and Planning Department has a well-equipped computer laboratory that supports advanced instruction in geographic information systems (GIS), satellite image processing, digital cartography, and laboratory and field methods' data analysis. The GTIL includes 17 workstations, ArcGIS Desktop, ERDAS Imagine, IDRISI, Adobe Illustrator, and geobrowsers.

Map Library

The Map Library houses an extensive collection of digital and paper maps, and aerial photography.

The Center for Interdisciplinary Geospatial Analysis (CIGA)

The Center for Interdisciplinary Geospatial Analysis promotes the application of geospatial technology to social and environmental problems through research, education, and community service. The lab seeks interdisciplinary collaboration among campus and external researchers, students, and other organizations in projects that involve geographic information and spatial analysis at local to global scales. The CIGA provides computer, software and data resources, Geographic Information System (GIS) and remote sensing expertise, consulting services, educational courses, and community outreach. Students are given a unique opportunity to broaden and refine their education by working on real-world problems in CIGA research projects and service contracts.

The Climate Research Center (CRC)

The Climate Research Center conducts research on climate science phenomena (e.g. hurricanes, droughts, and floods) with a special focus on their connections with climate variability, climate change and human activities. The CRC promotes the application of statistical methods and geographic information systems (GIS) to address climate science problems. The CRC aims to collaborate in multidisciplinary climate research with members of the SSU community, organizations or individuals in the Sonoma area and with researchers globally. The CRC houses state-of-the-art computers and cutting-edge software. Students working in the CRC can experience climate science in action and will gain essential data analysis skills

Sonoma Quaternary Laboratory (SQUAL)

The Sonoma Quaternary Laboratory specializes in reconstructing ecological, climate and landscape change caused by environmental and climate forces as well as human impacts over the past several thousand years. These paleoenvironmental reconstructions provide an important context for evaluating current and future environmental and climate change. The SQUAL houses state-of-the-art equipment for micro- and macro-botanical analysis as well as other sedimentary analyses. Students working in SQUAL have the opportunity to gain unique field and laboratory research skills.

The Center for Sustainable Communities:

The Center for Sustainable Communities (CSC) works with cities and counties, special districts, and regional and state government agencies to develop planning policies and implementation strategies related to climate change and greenhouse gas emissions, planning for healthy communities, the relationship between land use and water resources, and other sustainability and resiliency topics. The CSC utilizes faculty, students, and "encore career" professionals (recently retired leaders from the environmental professions), providing mentoring and professional development opportunities for

students and assistance to our government partners in addressing a wide array of environmental, economic, and social challenges.

The Environmental Technology Center:

A model for sustainable building techniques and technologies, this center includes energy and water-efficient landscaping, "smart building" control technologies, environmentally-sensitive materials, passive solar heating and cooling, and more. It serves as a training facility for building professionals and teachers and as an educational and research site.

The Classroom Garden:

The garden adjacent to the Environmental Technology Center teaches SSU students and members of the public about sustainable landscape practices and how these contribute to biodiversity and environmental health. Through internships, volunteering, and classroom experiences, students gain a sense of place, community, purpose, and an enriched academic experience.

The SSU Botanical and Kenneth M. Stocking Native Plant Garden:

A showcase of diverse California plant communities and a quiet place for education and relaxation. Located near the campus lakes, the garden includes a guided trail through woodland, marsh, and riparian ecosystems.

The Fairfield Osborn Preserve and Galbreath Wildlands Preserve:

Managed by the Center for Environmental Inquiry (CEI), SSU features two valuable off-campus learning environments. The Fairfield Osborn Preserve is 411-acre field station atop Sonoma Mountain that provides environmental education programs and opportunities for scientific research. The Preserve is a fifteen-minute drive from campus. Galbreath Wildlands Preserve is a 3,670 acre preserve nestled in the Coast Range of northern California. The mission of the preserves is to promote environmental education and research, as well as the effective stewardship of this diverse landscape.

Conservation and Restoration, B.S

Track II, Social Sciences Emphasis

(with Geography minor)*

This is only an example of how one might plan out your four years as a C&R Track II student; the only classes that have specific prerequisites are noted. Most GE classes can be taken in any order or sequence. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives. Students must complete a total of 120 units to meet university graduation requirements.

Freshman Year: 30 Units

Fall Semester (13-16 Units)

- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

- GE/Elective
- GE/Elective
- GE/Elective

Spring Semester (13-16 Units)

- ECON 205 - Introduction to Microeconomics **Unit(s): 4**
- GE/Elective
- GE/Elective
- GE/Elective

Sophomore Year: 30 Units

Fall Semester (13-16 Units)

- GEOG 203 **Unit(s): 3**
- ENSP 201 **Unit(s): 1**
- GE/Elective
- GE/Elective
- GE/Elective

Spring Semester (14-17 Units)

- GEOG 201 **Unit(s): 4**
- SSCI 299 - Sophomore Seminar: How to Think Like a Social Scientist **Unit(s): 3**
- GE/Elective
- GE/Elective
- GE/Elective

Junior Year: 30 Units

Fall Semester (13-16 Units)

- ENSP 302 **Unit(s): 4**
- ENSP 307 **Unit(s): 4**
- Elective in Major **
- Upper-Division GE

Spring Semester (15-16 Units)

- ENSP 322 **Unit(s): 4**
- ENSP 401 **Unit(s): 4**
- GEOG Elective for Minor
- Upper-Division GE

Senior Year: 30 Units

Fall Semester (12-14 Units)

- ENSP 416 **Unit(s): 4 OR**
- ENSP 404 **Unit(s): 4**
- GEOG 387 **Unit(s): 4**
- Upper-Division GE
- ENSP 499 - Internship **Unit(s): 2**

Spring Semester (14-16 Units)

- ENSP 425 **Unit(s): 4**
- ENSP 497 **Unit(s): 2**
- ENSP 499 - Internship **Unit(s): 2**
- GEOG Elective for Minor **
- Elective for Major

Total Units: 120

* Please note that the Geography minor is optional, not required

** See study plan for list of eligible courses.

Environmental Studies, B.S.

A Bachelor of Science degree is available for students through an Energy Management and Design plan. This program is designed to prepare students for careers or for graduate studies in the fields of residential and commercial energy management, energy-efficient architecture and design, energy planning in industry and government, renewable energy applications, and other energy-related businesses..

Degree Requirements	Units
General education (50, 9 in major)	41
Science Support Courses	29-31
Major Requirements	27-29
General Electives	29-33

Total units needed for graduation120

Natural Science Support Courses: 29-31 Units

- CHEM 115A - General Chemistry **Unit(s): 5**
- CHEM 115B - General Chemistry **Unit(s): 5**

- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

Physics: either sequence

- PHYS 210A - General Physics **Unit(s): 3**
- PHYS 210B - General Physics **Unit(s): 3 OR**
- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**

GEP and EMD Core Courses: 27-29 Units

- GEP 215 - GEP Forum **Unit(s): 1**
- GEP 373 - Energy, Technology, and Society **Unit(s): 4**
- GEP 473 - Thermal Energy Management **Unit(s): 3-4**
- GEP 474 - Electrical Energy Management **Unit(s): 3-4**
- GEP 416 - Energy Forum **Unit(s): 1-2 (taken twice)**
- GEP 317 - Internship **Unit(s): 1-4**

At least two of the following:

Note: You may need to take upper division courses (300-400 level) in addition to those listed below (and in your upper division GE selection) in order to meet the required number of upper division units for graduation (40).

- GEP 475 - Passive Solar Design **Unit(s): 3-4**
- GEP 476 - Small Scale Energy Sources **Unit(s): 3-4**
- GEP 477 - Computer Applications in Energy Management Laboratory **Unit(s): 4**

Sample Four-Year Program

Environmental Studies, B.S.

Energy Management and Design Concentration

Freshman Year: 31 Units

Fall Semester (15 Units)

- CHEM 115A - General Chemistry **Unit(s): 5**
- GE (A1)
- GE (A2)
- GE (A3)

Spring Semester (16 Units)

- CHEM 115B - General Chemistry **Unit(s): 5**
- MATH 161 - Differential and Integral Calculus I **Unit(s): 4**
- GE (C)
- GE (D1)

Sophomore Year: 30 units

Fall Semester (14 Units)

- PHYS 114 - Introduction to Physics I **Unit(s): 4**
- GE (B2)
- GE (C)
- MATH 211 - Differential and Integral Calculus II **Unit(s): 4**

Spring Semester (16 Units)

- GEP 203 - Human Geography **Unit(s): 3**
- GEP 305 - World Regions in Global Context **Unit(s): 4**
- PHYS 214 - Introduction to Physics II **Unit(s): 4**
- GE (D3)
- GE (D4)

Junior Year: 31 Units

Fall Semester (16 Units)

- GEP 215 - GEP Forum **Unit(s): 1**
- GEP 373 - Energy, Technology, and Society **Unit(s): 4**
- GEP 474 - Electrical Energy Management **Unit(s): 3-4**
- GE (C)
- Elective

Spring Semester (15 Units)

- GEP 206 - Society, Environment, and Sustainable Development **Unit(s): 3**
- GEP 416 - Energy Forum **Unit(s): 1-2**
- GEP 476 - Small Scale Energy Sources **Unit(s): 3-4**
- Elective
- Elective

Senior Year: 28 Units

Fall Semester (15 Units)

- MATH 165 - Elementary Applied Statistics **Unit(s):** 4
- GEP 473 - Thermal Energy Management **Unit(s):** 3-4
- GEP 317 - Internship **Unit(s):** 1-4
- Elective

Spring Semester (13 Units)

- GEP 416 - Energy Forum **Unit(s):** 1-2
- GEP 475 - Passive Solar Design **Unit(s):** 3-4
- Elective
- Elective

Geography and Environment, B.A.

The Geography and Environment degree focuses on bridging the natural and social sciences in order to produce more holistic and systemic analysis of environmental and societal issues.

All students take a common set of foundation- and intermediate-level courses that expose them to the breadth of the discipline and establish a strong background in the natural, social, and quantitative sciences. Students are then able to take specialized courses that deepen their understanding and skills within one of the major's five concentrations: Environmental Systems, Society, Environment, and Development, Geospatial Analysis and Technology, Sustainable Communities, and Planning for Sustainable Communities.

Students culminate their studies with a Professional Development course, an Internship or other Practical Experience, and a two semester Capstone course. All courses in the curriculum strengthen students' writing, critical thinking and oral presentation skills, which are critical for any successful career.

Degree Requirements	Units
General education (48 total, 7-20 units in major)	28-41
Core Requirements + Practical Experiences	35
Concentration and Supporting Courses	21-24
General Electives	23-40
Total units needed for graduation	120

Note: Courses required for the major must be taken for a traditional letter grade, except for courses that are offered CR/NC only. Students must earn a C- or better in any course applied to the major. Breadth courses not double-counted in concentration.

Core Courses + Practical Experiences (35 units)

Core Courses

Foundation Courses (11 units)

Environmental Systems

- GEP 201 - Global Environmental Systems **Unit(s): 3**

Applied Quantitative Analysis

- GEP 202 - Quantitative Methods **Unit(s): 4**

Society, Environment, and Development (choose one)

- GEP 203 - Human Geography **Unit(s): 3**

OR

- GEP 205 - World Regional Geography **Unit(s): 3**

OR

- GEP 206 - Society, Environment, and Sustainable Development **Unit(s): 3**

Sustainable Communities

- GEP 215 - GEP Forum **Unit(s): 1**

Breadth Courses (14-16)

Choose one from each category:

Environmental Systems

- GEP 340 - Applied Ecology **Unit(s): 3-4**
- GEP 351 - Natural Hazards **Unit(s): 3**
- GEP 355 - Weather and Climate **Unit(s): 3**

Geospatial Analysis

- GEP 387 - Introduction to Geographic Information Systems **Unit(s): 4**

Society, Environment, and Development

- GEP 320 - Geopolitics **Unit(s): 4**
- GEP 324 - Climate Change and Society **Unit(s): 4**
- GEP 330 - Environmental History **Unit(s): 4**

Sustainable Communities

- GEP 360 - Introduction to Planning **Unit(s): 3**
- GEP 370 - Globalization and the City **Unit(s): 4**
- GEP 373 - Energy, Technology, and Society **Unit(s): 4**

Professional Preparation (2 units)

- GEP 310 - Professional Preparation **Unit(s): 1-2**

Capstone Classes (6 units)

- GEP 490 - Capstone Project Methods **Unit(s): 2-3**
- GEP 491 - Capstone Project **Unit(s): 3-4**

Practical Experience

- GEP 312 - Professional Conferences **Unit(s): 1-2**

- GEP 313 - Field Experience **Unit(s):** 1-2
- GEP 314 - Field Experience Abroad **Unit(s):** 2-3
- GEP 317 - Internship **Unit(s):** 1-4 *
- GEP 418 - Lab Assistant in GEP **Unit(s):** 2
- GEP 419 - Teaching Assistant in GEP **Unit(s):** 1-4

Concentrations

- Geospatial Analysis and Technology Concentration
- Environmental Systems Concentration
- Society, Environment, and Development, Concentration
- Sustainable Communities, Concentration
- Planning for Sustainable Communities, Concentration

Sample Four-year Program

Geography and Environment, B.A.

This is just an example of how one might plan four years as a GEP student. Most GE classes can be taken in any order or sequence. Consult with your advisor for suggestions on when to take particular courses.

Freshman Year: 30 Units

Fall Semester (14 Units)

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s):** 3
GE/Elective

Core Course:

- GEP 203 - Human Geography **Unit(s):** 3 **OR**
- GEP 205 - World Regional Geography **Unit(s):** 3 **OR**
- GEP 206 - Society, Environment, and Sustainable Development **Unit(s):** 3

Spring Semester (15-16 Units)

- GE/Elective **Unit(s):** 3-4
- GE/Elective **Unit(s):** 4
- GE/Elective **Unit(s):** 4

Core Course:

- GEP 201 - Global Environmental Systems **Unit(s):** 3

Sophomore Year: 30 Units

Fall Semester (15 Units)

- Disciplinary Breadth **Unit(s): 4**
- GE/Elective **Unit(s): 3**
- GE/Elective **Unit(s): 3**
- Supporting Course **Units(s): 4**
- GEP 215 - GEP Forum **Unit(s): 1**

Spring Semester (15 Units)

- Disciplinary Breadth **Unit(s): 4**
- GE/Elective **Unit(s): 3**
- GE/Elective **Unit(s): 4**
- Supporting Course **Unit(s): 4**
- GEP 202 - Quantitative Methods **Unit(s): 4**

Junior Year: 30 Units

Fall Semester (15 Units)

- Upper Division GE **Unit(s): 3**
- Upper Division GE **Unit(s): 3**
- Concentration **Unit(s): 3**
- Disciplinary Breadth **Unit(s): 3**
- University Elective **Unit(s): 3**

Spring Semester (15 Units)

- Disciplinary Breadth
- Disciplinary Breadth
- Concentration
- Disciplinary Breadth
- GEP 310 - Professional Preparation **Unit(s): 1-2**

Senior Year: 30 Units

Fall Semester (16 Units)

- Concentration **Unit(s): 3**
- Concentration **Unit(s): 3**
- Supporting Course **Unit(s): 3-4**
- Capstone Pre-seminar **Unit(s): 1-4**
- University Electives **Unit(s): 2**

Spring Semester (14 Units)

- Concentration **Unit(s):** 4
- Concentration **Unit(s):** 3
- Upper Division GE **Unit(s):** 3
- Capstone **Unit(s):** 4

Total Units: 120

Total units: 35 units minimum

*Planning must take GEP 360 and 3 units of GEP 317

Geography and Environment, Minor

Note: Courses required for the minor must be taken for a traditional letter grade, except for courses that are offered CR/NC only. Students must earn a C- or better in any course applied to the minor.

Students take the required GEP Foundational courses

Society, Environment, and Development

(choose one)

- GEP 203 - Human Geography **Unit(s):** 3
OR
- GEP 205 - World Regional Geography **Unit(s):** 3
OR
- GEP 206 - Society, Environment, and Sustainable Development **Unit(s):** 3

Environmental Systems

- GEP 201 - Global Environmental Systems **Unit(s):** 3

Sustainable Communities

- GEP 215 - GEP Forum **Unit(s):** 1

Upper-division courses: 12 Units

Upper-division courses chosen in consultation with advisor; no more than 3 units in the 310-319 practical experience category

Units

Total units in the minor: 20

Geospatial Analysis and Technology Concentration

This concentration is designed for students interested in geographic information science and its application in resource management, land-use planning, and land-change science.

Core + Practical Experiences³⁵

Concentration Courses: 13 units

- GEP 354 - Watershed Hydrology and Management **Unit(s): 4**
- GEP 380 - Environmental Remote Sensing **Unit(s): 4**
- GEP 385 - Cartographic Visualization **Unit(s): 3-4**
- GEP 388 - Environmental Geographic Information Systems **Unit(s): 3-4**
- GEP 389 - Advanced Geographic Information Systems **Unit(s): 3**
- GEP 390 - Environmental Data Analysis **Unit(s): 4**
- GEP 440 - Field Methods **Unit(s): 2**

Supporting Courses: 11 Units

Required Course:

- CS 115 - Programming I **Unit(s): 4**
 - ANTH 326 - Topics in Archaeology **Unit(s): 4**
- Select (Substitutions possible in consultation with an advisor):
- BIOL 485 - Biometry **Unit(s): 4**
 - CS 210 - Introduction to Unix **Unit(s): 1**
 - CS 215 - Programming II **Unit(s): 4**
 - CS 355 - Database Management Systems Design **Unit(s): 4**
 - CS 370 - Software Design and Development **Unit(s): 4**
 - CS 386 - Selected Topics in CS with Lab **Unit(s): 3**
 - ECON 317 - Introduction to Econometrics **Unit(s): 4**
 - EE 314 - Advanced Programming, Modeling, and Simulation **Unit(s): 4**

Units:

Total Units in Core: 35 Total Units in Concentration: 59

History

Department Office
Stevenson Hall 2070
(707) 664-2313
www.sonoma.edu/history

Department Chair
Steve Estes

For faculty information, please see Faculty or the History faculty web page.

The study of history involves the study of all human thought and action, ranging from the economic and the political to the psychological and the artistic. Combining the perspectives and methods of the social sciences and the humanities, it seeks to comprehend the problems and challenges faced by individuals and societies in the distant and recent past, nearby and far away. This understanding of the human experience provides the necessary historical perspective to explain the present.

In the process of making sense of our collective and individual past, the student of history develops research, analytical, and communication skills which can be drawn upon in a variety of careers.

The history major is designed both to provide the basis for a solid liberal arts education and to meet the needs of individual students. Within the specific requirements of the major, students receive basic instruction in the history of the United States as well as that of other countries. They are also introduced to methods of historical inquiry, techniques of historical writing and differing philosophies of history and historiography, past and present. Beyond these basic requirements, students may arrange course work to fit their needs and interests. Upper division classes are generally small and offer ample individual attention, guidance, and interaction between students and faculty.

Careers in History

A history major's skills in historical analysis, writing, and research are highly useful in a variety of careers and professions. The history major provides an excellent background for advanced study in many fields. History majors from Sonoma State have developed careers in journalism, academia, K-12 education, law, business, public consulting and research, social media, museum and records management, genealogy, library science, and government service. Public history is a growing field, with careers in government, museums, and historic parks.

Students who plan to pursue graduate work or a teaching career should seek advising early regarding their plan of study. Prospective K-12 teachers should prepare for the credential program by taking the relevant prerequisites in education, working with young people of the appropriate grade level, and preparing early for the state teacher and content exams. Through the history department internship program, students may earn credit for history-related internships in a wide variety of areas, such as local museums, historical societies, businesses, and schools.

History Department Learning Objectives

The History Department at Sonoma State prepares its students to analyze primary and secondary sources and understand the subjectivities inherent in such texts. During their final year, students must take HIST 498 - Senior Seminar, where they write and orally present twenty- to forty-page research papers, which are based on primary and secondary sources, and which identify key historiography.

Objectives

1. **Analyze and use primary and secondary sources.**
Students learn to differentiate between primary and secondary sources and to evaluate the reliability of such sources.
2. **Understand historical debate and controversies.**
Students learn to understand diverse interpretations and to examine different sides of historical debates.
3. **Gain an understanding of historiography in given region and time period.**
Students learn to understand the ways historians in given regions and time periods have approached history and how the field has changed as new evidence is uncovered and re-examined.
4. **Understand how to use evidence in writing research papers.**
Students learn to use leading historical journals, texts, and primary sources to examine the ways historians build arguments from evidence. Students in the history program also learn to use proper citations.
5. **Productive skills: writing and oral expression.**
Students hone their writing and speaking skills and learn to articulate an argument regarding key historical events.

History, B.A.

The B.A. in history is a 40-unit program that students plan in consultation with a departmental advisor. Courses graded Cr/NC are not applicable to the history major, except in the cases of HIST 497 - Internship in History and HIST 496 - History Journal, where 4 units of Cr/NC are accepted.

Degree Requirements	Units
General education (48, 6 units in major)	42
Major requirements	40
General electives	38
Total units needed for graduation	120

Major Core Requirements

* History majors may replace HIST 201 with HIST 335, HIST 339, HIST 400, HIST 401 OR replace HIST 202 with HIST 342, HIST 383, HIST 410, HIST 411, or HIST 412. Either HIST 201 OR HIST 202 MUST be taken. Completion of either HIST 201 or HIST 202 satisfies GE requirement, Area D2.

** History majors may replace HIST 251 with HIST 351 OR replace HIST 252 with HIST 352, HIST 446, HIST 468, HIST 470, or HIST 477. Either HIST 251 OR HIST 252 MUST be taken. Completion of either HIST 251 OR HIST 252 satisfies GE requirement, Area D3.

- HIST 201 - Foundations of World Civilization **Unit(s): 3 ***

- HIST 202 - Development of the Modern World **Unit(s): 3 ***
- HIST 251 - History of the United States to 1877 **Unit(s): 3 ****
- HIST 252 - History of the United States Since 1865 **Unit(s): 3 ****
- HIST 498 - Senior Seminar **Unit(s): 4**

Major Electives

To finish the major, students must complete additional units in history to total 40 units. These units must include upper-division courses in 3 of 4 breadth areas:

European history;
 United States history;
 World Regional (Asian, Latin American, African, or Middle-Eastern history);
 Comparative/Thematic/Global history.

Among their major electives, students must take at least one upper-division course in the period before 1800 and at least one upper-division course that covers the period after 1800. An upper-division substitute for HIST 201/202 may not also count as a breadth or chronology requirement. Three (3) units of electives may be lower-division; the remaining 20-21 units must be upper-division.

Total units in major electives	22-24
Total units in the major	40

History Teaching Credential Preparation

History majors—or majors in other programs—interested in seeking a general elementary credential or secondary school credential for social sciences may demonstrate subject matter competency by passing the CSET Multiple Subjects Exams or the CSET Single Subject Exam in Social Science. For further information and guidance, contact Steve Estes, Department of History, (707) 664-2424.

Public History Certificate

The Public History Certificate is a 22-unit interdisciplinary program designed to give students concrete research, writing, and interviewing skills that are applicable in a number of professions including museums, libraries, city/county governments, historic preservation organizations, and corporations. Students take core courses in history and elective courses in at least two other disciplines. For further information and a list of qualifying courses, please consult the department website or contact the Department of History.

The Dual Language Historical Research Certificate

The DLHRC is a minimum 14 unit program that combines advanced language training with historical study and research, allowing students to broaden their topics of study by making use of primary and secondary sources in other languages. Students are required to demonstrate language proficiency, take

a historical research methodology course, and two-4 unit history electives, a portion of which includes reading and research in non-English language sources. For further information and a list of qualifying courses, please consult the department website or contact the Department of History.

Units

Total units in the major core: 16-18

Total units in major electives: 22-24

Total units in the major: 40

Sample Four-Year Program

History, B.A.

Freshman Year: 30-32 Units

Fall Semester (15-16 Units)

- GE Electives

Spring Semester (15-16 Units)

- GE Electives

Sophomore Year: 30-31 Units

Fall Semester (15 Units)

- HIST 201 - Foundations of World Civilization **Unit(s): 3 ***
- HIST 202 - Development of the Modern World **Unit(s): 3 ***
- GE Electives

Spring Semester (15 Units)

- HIST 251 - History of the United States to 1877 **Unit(s): 3 ***
- HIST 252 - History of the United States Since 1865 **Unit(s): 3 ***
- Electives

Junior Year: 29-32 Units

Fall Semester (15-16 Units)

- History Electives
- Upper-division GE
- Elective

Spring Semester (14-16 Units)

- History Electives
- Upper-division GE

Senior Year: 32 Units

Fall Semester (16 Units)

- History Electives
- Electives

Spring Semester (16 Units)

- HIST 498 - Senior Seminar **Unit(s): 4**
- Electives

Total Units: 120

** Completion of either HIST 201 or HIST 202 satisfies GE requirement Area D2.
Completion of either HIST 251 or HIST 252 satisfies GE requirement Area D3.*

History, M.A.

Requirements for Admission

1. B.A. degree from an accredited institution. Students with undergraduate majors in fields other than history will be required to complete prerequisites before entering the program;
2. Grade point average of 3.00 or better in the undergraduate history major (and in previous graduate courses attempted) as evidenced by the transcripts furnished. Grade point average of 3.20 or better in history for non-majors;
3. Completion of the general test Graduate Record Examination with scores acceptable to the departmental Graduate Studies Committee;
4. Three letters of recommendation, completion of program application and personal statement, and a writing sample;
5. Completion and acceptance of separate application for admission to the University (Office of Admissions and Records). GRE test scores required; and

6. Favorable recommendation for admission by the departmental Graduate Studies Committee after review of the complete file. This confers advancement to classified standing as a graduate student.

For more information, please refer to Graduate Degrees in the Degree Requirements section of this catalog.

Requirements for the M.A.

1. Advancement to candidacy form (M.A. in history) signed and submitted to Graduate Office;
2. Grade point average of 3.00 or better for all work attempted in graduate status and in all work approved as a part of the specific pattern of study. With the approval of the student's committee chair and the graduate advisor, a maximum of 9 units of post-graduate transfer or extension credit (or any combination of the two) may be included as part of the student's specific pattern of study. All courses are to be taken for letter grade;
3. All requirements for the M.A. degree in history, including language and conditional requirements stipulated at the time of admission to candidacy, must be satisfactorily completed within seven years from the time the first course is completed. Completion of Requirements form must be signed and submitted to the graduate office; and
4. With the approval of the student's committee chair and the departmental graduate advisor, the satisfactory completion of one of the following two options:

Master's Thesis Option

(Chosen in consultation with committee chair):

- Courses at the 300 or 400 level
- Graduate courses at the 500 level (including two seminars)
- HIST 599 - Masters Degree Thesis Research **Unit(s): 6**

Comprehensive Examination Option

(Chosen in consultation with committee chair):

- Courses at the 300 or 400 level
- Graduate courses at the 500 level (including HIST 500 and HIST 510)
- HIST 598 - Comprehensive Examination Reading and Research **Unit(s): 3-6 (6 Unit(s) Required)**

Units

Total units required for the M.A. 30

History, Minor

Students contemplating a minor in history should consult the History Department for advising early in their academic careers. Courses graded Cr/NC are not applicable to the history minor.

Minor Core Requirements

One Lower-Division Course in World History

(Completion of either HIST 201 or HIST 202 also satisfies GE area D2.)

- HIST 201 - Foundations of World Civilization **Unit(s): 3**
- HIST 202 - Development of the Modern World **Unit(s): 3**

One Lower-Division Course in United States History

(Completion of either HIST 251 or HIST 252 also satisfies GE area D3.)

- HIST 251 - History of the United States to 1877 **Unit(s): 3**
- HIST 252 - History of the United States Since 1865 **Unit(s): 3**

Units

Total units in the minor core: 6

Minor Electives

To finish the General History Minor, students must complete 16 units of upper-division work in history, usually 4 courses. Students may not count additional lower division units toward the minor.

Human Development

Program Office
Schulz Information Center, 2nd Floor
(707) 664-2181
hd.sonoma.edu Human Development Coordinator
Karin Enstam Jaffe / Biological Anthropology
(707) 664-2944 / email: karin.jaffe@sonoma.edu

For faculty information, please see Faculty or the Human Development faculty web page.

Program Offered

The Bachelor of Arts in Human Development is a multidisciplinary liberal arts program that focuses on growth and development across the human life course, the underlying processes and structures that support that growth, and the relationship between the individual and the complex familial, social, and cultural environments in which growth is situated.

The Human Development major is designed to provide students with a comprehensive grounding in complementary theoretical approaches to human development across the life course. Students gain expertise in how the life course varies across species, cultures, and social positions such as gender, sexuality, class, and race. Students must earn a C or better in all courses applied to the major.

Program Learning Objectives

Students who graduate with a B.A. in Human Development from Sonoma State University will:

- be able to **recognize** the way in which the life course comes to be culturally shaped as well as inflected by social positions such as gender, race, sexuality and class.
- be able to **evaluate** the variety of concepts and theories that shape scholarship and practice in human development, including from biological, social, cultural, and psychological perspectives.
- gain **experience** designing, undertaking, and presenting research that is empirically rigorous and methodologically sound.
- be able to **identify** the way that human development knowledge informs practices in applied settings focused on issues such as learning and education, health and wellness, social justice and community advocacy, and the social contexts of disability.
- be able to **critically reflect on** how human development knowledge can be used to facilitate positive change in the life course, especially in contexts of inequality and structural violence.

Careers in Human Development

A Bachelor of Arts in Human Development will help prepare students for professional, managerial, service, and educational careers in human development and human services serving infants, children, adolescents, families, and elders. This degree will complement students' preparation for graduate studies in traditional fields such as psychology, sociology, anthropology, counseling and human development. The Human Development faculty are committed to providing accurate and useful information to our majors. Please go to <http://hd.sonoma.edu/career-outlook> for more information on career and graduate school opportunities for Human Development graduates.

Human Development, B.A.

The Human Development (HD) Program offers an interdisciplinary Bachelor of Arts degree that focuses on human growth and development across the life span, the underlying processes and structures that support that development, and the relationships between the individual and the complex familial, social, and cultural environments in which development is situated.

The Human Development Program has two components. Pre-Human Development is not impacted and is not a degree-granting program. Pre-Human Development is open to all SSU undergraduates. Students must be in Pre-Human Development and complete the Pre-Human Development curriculum before they can apply to Human Development, which is an impacted major. Being Pre-Human Development does not guarantee admission into the Human Development major. Pre-Human Development students who complete the curriculum will be ranked by GPA when they apply to the major. Students who are interested in the Human Development major should declare Pre-Human Development as early as

possible and use the sample four-year plan as a guide for completing the Pre-Human Development curriculum and the Human Development major.

Program Learning Outcomes

Human Development Majors will master the following learning outcomes by the time they graduate:

1. **Recognize** the way in which the life course comes to be culturally shaped as well as inflected by social positions such as gender, race, sexuality and class.
2. **Evaluate** the variety of concepts and theories that shape scholarship and practice in human development, including from biological, social, cultural and psychological perspectives.
3. **Experience** designing, undertaking, and presenting research that is empirically rigorous as well as ethically and methodologically sound.
4. **Identify** the way that human development knowledge informs practices in applied settings focused on issues such as learning and education, health and wellness, social justice and community advocacy, and the social contexts of disability.
5. **Critically reflect on** how human development knowledge can be used to facilitate positive change in the life course, especially in contexts of inequality and structural violence.

Learn more about the Human Development Program.

Total units required for B.A. in Human Development

Degree Requirements	Units
Pre-Human Development (lower division GE)30*	
Remaining GE (20; 3 in major)	17
Major requirements*	40*
Electives	33
Total units needed for graduation	120

** This is the minimum number of units; more units may be required for certain course choices. Students must earn a C or better in all courses applied to the major.*

Pre-Human Development

Students must declare Pre-Human Development and complete the following requirements before being accepted into the Human Development major:

1. 2.5 overall and SSU GPA.
2. Completion of 30 units of GE coursework including:

Complete the following with a C- or better:

- A1 (3 units)
- A2 (3 units)
- A3 (3 units)

Complete the following with a C or better:

- B2 (3-4 units)
- B4 with MATH 165 Elementary Statistics or equivalent from another institution (4 units)
- D1 with ANTH 203 Introduction to Cultural Anthropology or PSY 250 Introduction to Psychology or SOCI 201 Introduction to Sociology or equivalent from another institution (3 units)
- D5 with ANTH 200 Introduction to Linguistic Anthropology (3 units) or equivalent from another institution (recommended). Students may complete this requirement with ENGL 203 Introduction to Linguistic Studies (4 units), but ENGL 203 fulfills the D1 GE area. Students who wish to complete the most GE areas while completing the Pre-Human Development curriculum should take ANTH 200.
- Additional lower division GE coursework (e.g., B1, D3, D4, science lab) with a passing grade to reach 30 units. Beginning Fall 2020, Pre-Human Development majors looking for a GE area E course are encouraged to consider HD 200 (Introduction to Human Aging; GE-E), which fulfills the Adulthood and Lifespan Topical Area for the Human Development major.

Major Core Requirements

Applicants to the Human Development major should expect it to take three (3) semesters to complete the Major Core Requirements.

- ANTH 318 - Human Development in Evolutionary Perspective **Unit(s): 3**
- HD 320 - Culture and the Life Course **Unit(s): 4**
- HD 321 - Human Development Core Concepts **Unit(s): 4**
- HD 322 - Applied Human Development **Unit(s): 4**
- HD 490 - Senior Project **Unit(s): 1**
- HD 450 - Qualitative Research Design **Unit(s): 4**

Topical Areas

Four courses, one from each topical area, taken from at least three different departments. EDXX count as one department and crosslisted courses count as the same department (e.g., GERN = SOCI).

Childhood and Adolescence

(at least 1 course)

- EDEC 220 - Child Observation with Field Experience **Unit(s): 4**
- EDEC 420 - Child Development in Family, School, and Community **Unit(s): 3**
- EDEC 435 - Leadership on Behalf of Children and Families **Unit(s): 4**
- EDEC 437 - Integrated Curriculum with Field Experience **Unit(s): 4**
- EDSS 418 - Development in Adolescence and Emerging Adulthood **Unit(s): 3**
- HD 325 - Topics in Human Development: Childhood and Adolescence **Unit(s): 3-4**

Adulthood and Lifespan

(at least 1 course)

- ANTH 303 - Human Behavioral Ecology **Unit(s): 4**
- BIOL 318 - Biology of Aging **Unit(s): 3**
- SOCI 317 - Emotions and Adult Life **Unit(s): 4**
- SOCI 319 - Aging and Society **Unit(s): 4**
- KIN 410 - Lifespan Motor Development **Unit(s): 3**
- PSY 302 - Life Span Development **Unit(s): 3**
- HD 335 - Topics in Human Development: Adulthood and Lifespan **Unit(s): 3-4**

Gender and Sexuality

(at least 1 course)

- ANTH 302 - The Evolution of Males and Females **Unit(s): 4**
- NURS 480 - Health, Sexuality, and Society **Unit(s): 3**
- WGS 325 - Youth: Gender Perspectives **Unit(s): 3-4**
- WGS 375 - Gender, Race, and Class **Unit(s): 3**
- WGS 390 - Gender and Work **Unit(s): 4**
- HD 365 - Topics in Human Development: Gender and Sexuality **Unit(s): 3-4**

Society, Culture and Language

(at least 1 course)

- ANTH 340 - Living in our Globalized World **Unit(s): 3 OR**
- ANTH 240 - Living in our Globalized World **Unit(s): 3**
- ANTH 342 - Organization of Societies **Unit(s): 4**
- ANTH 380 - Language, Culture, and Society **Unit(s): 4**
- ANTH 383 - Language in Sociopolitical Context **Unit(s): 4**
- ANTH 386 - Sign Languages and Signing Communities **Unit(s): 4**
- EDMS 419 - Identity and Agency for Socially Just Classrooms and Communities **Unit(s): 3**
- EDUC 417 - School and Society **Unit(s): 3**
- SOCI 326 - Social Psychology **Unit(s): 4**
- HD 375 - Topics in Human Development: Society, Culture and Language **Unit(s): 3-4**

Electives

(as needed to get to 40 units)

- ANTH 451 - Applied Ethnographic Methods **Unit(s): 4**
- ANTH 480 - Studies of Language Use **Unit(s): 4**
- EDEC 460 - Introduction to Research in Early Childhood Studies **Unit(s): 4**
- EDEC 490 - Special Topics in Early Childhood Studies **Unit(s): 1-4**
- HD 496 - Agency Internships **Unit(s): 1-4**
- HD 495 - Special Studies **Unit(s): 1-4**

Units

Total core requirements: 20 Units Total in topical areas: 12-20 Units

Sample Four-Year Program

Human Development, B.A.

Freshman Year: Minimum of 30 Units

Fall Semester (15-16 Units)

- GE A1* Units: 3
- GE B1 Units: 3-4
- GE B2* Units: 3-4
- GE D3 Units: 3-4
- University Elective** Units: 1-2

Spring Semester (15 Units)

- ANTH 203 - Introduction to Cultural Anthropology **Unit(s): 3**
- PSY 250 - Introduction to Psychology **Unit(s): 3**
- SOCI 201 - Introduction to Sociology **Unit(s): 3**
- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**

Sophomore Year: Minimum of 30 Units

Fall Semester (15 Units)

- MATH 165 - Elementary Applied Statistics **Unit(s): 4**

Spring Semester (15 Units)

- GE B3 (3-4)
- GE C2 (4)
- GE D3 (3-4)
- University Elective (3-4)**

Junior Year: Minimum of 30 Units

Fall Semester (15 Units)

- ANTH 318 - Human Development in Evolutionary Perspective **Unit(s): 3**
- HD 320 - Culture and the Life Course **Unit(s): 4**

Spring Semester (15-16 Units)

- HD 450 - Qualitative Research Design **Unit(s): 4**
- HD 321 - Human Development Core Concepts **Unit(s): 4**

Senior Year: Minimum of 30 Units

Fall Semester (15-16 Units)

- HD 450 - Qualitative Research Design **Unit(s): 4**

Spring Semester (15 Units)

- HD 490 - Senior Project **Unit(s): 1**
- HD 322 - Applied Human Development **Unit(s): 4**

Total Units: 120

* Pre-HD requirement. Must be completed with required grade, along with 30 units of lower division GE before the student can apply to the HD major. In this 4-year plan, the student is on track to complete the Pre-HD curriculum by the end of the Fall semester of sophomore year.

** If needed to reach 15 units. ***HD CA/AL/GS/SCL Course refers to courses that make up the Topical Area Requirements for the major: CA=Childhood and Adolescence; AL=Adulthood and Lifespan; GS=Gender and Sexual-ity; SCL=Society, Culture and Language

****At least two courses must be upper division GE and one must be outside GE area E. Upper division GE courses must be taken after the student achieves junior standing (60 units completed).

Liberal Studies (Napa, Solano, and Ukiah)

Program Office
Stevenson Hall 2054A
(707) 664-2944
<http://ukiah.sonoma.edu/>

Program Coordinator
Carmen Works

Ukiah Resident Program

Sonoma State University offers an upper-division program in Ukiah leading to a Bachelor of Arts in liberal studies. The Liberal Studies Ukiah program offers a wide variety of courses from the social sciences, humanities, and natural sciences, while providing a flexible major through which students may also take courses in other areas of interest.

Courses are offered in Ukiah for resident credit to students who have completed or almost completed general education requirements, and who have been admitted to Sonoma State University.

Like more traditional liberal arts majors, the Liberal Studies Ukiah major is excellent preparation for students interested in a career in teaching, the legal profession, social services, nonprofit organizations, or business, as well as graduate work in the social sciences and the humanities.

Programs Offered

Bachelor of Arts in Liberal Studies

Napa Valley College

Solano Community College Vallejo Center

Department Office

Stevenson 1012

www.sonoma.edu/exed/napa-solano

Faculty Coordinator

Karen Enstam Jaffe

Administrative Coordinator

Beth Warner

Program Advisor

Amy Unger

Overview

Sonoma State University offers an upper-division program based at the Napa Valley College campus and Solano Community College Vallejo Center, leading to a Bachelor of Arts in liberal studies. The program offers a wide variety of Sonoma State University courses from the areas of social sciences, arts and humanities, and science and technology, while providing a flexible schedule for adult students or others who cannot come to the main campus.

Application, registration and advising for these programs are conducted through the School of Extended and International Education.

This Special Sessions program is a partnership between the School of Social Sciences, and the School of Extended & International Education (SEIE), with courses hosted at Napa Valley College and Solano Community College. As a self-support program, unique, separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, admission requirements, and student support services is available through SEIE. Academic criteria for the program are determined in accordance with all applicable SSU and CSU policies. Degrees are awarded by the School of Social Sciences.

Learning Objectives

Liberal Studies graduates will have well-developed Skills in:

1. Oral and Written communication
2. Synthesizing information from many sources
3. Collaborative learning

Careers in Liberal Studies

The Liberal Studies major provides a wide exposure to ideas drawn from the social sciences, arts, humanities, science, and technology, giving excellent preparation for careers in teaching, the legal profession, social services, nonprofit organizations, or business, as well as graduate work in the social sciences and humanities. The versatility of Liberal Studies graduates makes them able to easily move into new opportunities as they arise.

Liberal Studies (Ukiah, Napa, Solano) B.A.

Requirements for the Major

(all upper-division)

Arts & Humanities: Choose from courses in AMCS, theater arts, art history, English, philosophy, NAMS, CALS

Behavioral / Social sciences: choose from courses in economics, geography, political science, psychology, sociology, anthropology, women's and gender studies, history, criminology and criminal justice

Natural / Physical sciences: Choose from courses in astronomy, biology, chemistry, environmental studies, geology, physics

Electives: choose from courses in the above disciplines, or others (e.g., Education) in consultation with an advisor. Special Studies (SSCI 495) and a maximum of 6 units of internship (SSCI 499) may be applied toward elective units in the major.

**Includes 9-unit upper-division GE requirement.*

**Transferable courses from 2 year institutions may not be used to meet any requirements in the major.*

**A minimum grade of C- is required in each course applied to the major.*

Core Courses (required of all majors)

- SSCI 300 - Introduction to Portfolio Development and Special Project **Unit(s): 1**
- SSCI 400 - Portfolio Evaluation **Unit(s): 3**

Units

Total units in the major: 50

Liberal Studies Ukiah Admission Criteria

Courses are offered in Ukiah for resident credit to students who meet the following criteria:

1. Students must be residents of Mendocino County or Lake County.
2. Students must have completed 60 or more transferable units. (Sonoma State University accepts up to 70 transferable college semester units of course credit.)
3. Students must have completed all 9 units required in General Education, Category A – Communication, Critical Thinking, and Freshman Composition.

4. Students must have completed both the science laboratory requirement and the mathematics requirement in General Education, Category B – Natural Sciences and Mathematics.
5. Students must have been admitted to Sonoma State University and declared a major in Liberal Studies Ukiah.

Liberal Studies Napa & Solano Admissions

Information sessions are held locally every semester. See the Information Sessions link on the SEIE website at web.sonoma.edu/exed/. Applications are accepted for both Fall and Spring semesters.

Pre-admissions advising is available at your community college or through the Program Advisor.

Application to the Program

Applications for the Liberal Studies-Ukiah Program are accepted for both Fall and Spring semesters from applicants who meet Sonoma State University application deadlines and the admissions requirements for the program. Please see the Sonoma State University application deadline page (<http://admissions.sonoma.edu/how-apply/application-deadlines>) for more information and specific application deadlines.

Students must apply for the Liberal Studies-Ukiah Program online via Cal State Apply (<https://www2.calstate.edu/apply>). When filling out the application, applicants must select "Liberal Studies (Ukiah)" as their major; do not select "Liberal Studies (Hutchins)".

Applicants are encouraged to plan ahead and meet the application deadline, as late applications are not accepted, except in extreme cases. If you miss the application deadline for your chosen semester of admission, you must submit a Late Application Appeal Request (<http://admissions.sonoma.edu/how-apply/application-deadlines#appeals>).

If you have questions about the application process, please locate the appropriate transfer admissions staff member on the SSU Admissions Staff Directory page (<http://admissions.sonoma.edu/contact/staff>). Scroll down to the Transfer Student Applicants Admissions Team section and locate the appropriate staff member based on your last name.

Sample Four-Year Program

Liberal Studies Ukiah, B.A.

This plan assumes the student:

1. Has completed 70 transferable units, including all lower-division GE courses; and
2. Is attending full time.

Since fields, rather than courses (except SSCI 300 & SSCI 400), are required for the major, the plan shows the way that the student would complete course work in each of the required fields, as well as the elective units within the major.

Junior Year: 25 Units

Fall Semester (12 Units)

- Natural Science (3)
- Behavioral Science (3)
- Humanities (3)
- Major Elective (3)

Spring Semester (13 Units)

- Natural Science (3)
- Humanities (3)
- Behavioral Science (3)
- Major Elective (4)

Senior Year: 25 Units

Fall Semester (13 Units)

- Behavioral Science (3)
- Humanities (3)
- Behavioral Science (3)
- SSCI 300 - Introduction to Portfolio Development and Special Project **Unit(s): 1**
- SSCI 400 - Portfolio Evaluation **Unit(s): 3**

Spring Semester (12 Units)

- Behavioral Science (3)
- Humanities (3)
- Humanities (3)

Total Units: 120

** Major coursework must include at least 9 units of upper division GE courses, taken from at least two different GE areas.*

Political Science

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(707) 664-2179
www.sonoma.edu/polisci

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**Faculty Early Retirement Program*

The Political Science program at Sonoma State University offers excellent opportunities for the study of government, politics, and the exercise of political power. More than 40 courses cover all the major aspects of the discipline. Students develop an understanding of broad, philosophical questions as they relate to politics. Students learn to discuss and analyze critically U.S. political institutions and the many public policy issues facing the United States and the world. Students are taught how to analyze and understand world affairs and international relations. They are taught how to evaluate and compare political phenomena across different countries. Students are trained in appropriate research techniques for the study of political actors, institutions and processes in a complex, interdependent and diverse world.

The Political Science major allows students to choose from a wide range of courses and subjects within the political science discipline. A common core of courses provides students with the foundational knowledge and research skills needed to pursue more advanced work at the upper division level. In core courses students study the relationship among values, ideology, and politics (POLS 201); fundamental issues in American politics (POLS 202); the logic of research in political science (POLS 302); comparative political analysis (POLS 303); theory and analysis of international politics (POLS 304); and a senior research seminar (POLS 498). Beyond this common core, as part of the additional 20 units required for the major, each student must complete at least one upper-division course in each of the four major fields of political science: political theory, international relations, comparative government, and American government and politics. Since politics and economics are so closely tied together, the department recommends each student complete a basic course in economics. The Department also strongly recommends that students take SSCI 299 - Sophomore Seminar: How to Think Like a Social Scientist (fulfills GE Area E). In addition, the Department encourages international study for Political Science students and will arrange for appropriate credits for courses of study at international universities.

A 20-unit minor in Political Science also is available. Although the minor most often is used in conjunction with such majors as communications, history, economics, and sociology, it can be paired with almost any major offered at the University.

Internships

The Department offers several programs through which students may gain practical experience while earning academic credit. A Political Science internship involves working in the office of a public official, on an election campaign, or for an advocacy group or nonprofit organization. Interns have served with State Assembly Members, State Senators, Members of Congress, and in a number of campaigns for local, state, and national office. Students have also worked with advocacy groups and nonprofit organizations to effect change at the local, state, national and international levels. The graduate program in Public Administration places students in positions, often paid, with local government offices and agencies where they may be involved with city planning and zoning issues, public relations efforts, special research topics, budget preparation, to mention several possibilities. In addition, the Department regularly sends selected students to the state capitol to participate in the Sacramento Semester Program where they work with members of the Legislature, officers of the executive branch, or lobbyists to gain a fuller understanding of the political process firsthand. Finally, special arrangements also may be made for some students to serve as interns to members of Congress in Washington, D.C., for a semester.

Academic Advising

Each student is assigned a faculty advisor to help plan and carry out an individualized academic program. The advisors are assigned by the last name of each student. The Department expects students to seek faculty advice every semester, especially prior to registering for their next semester's courses.

Preparation

Students are encouraged to take English composition and social science courses, including civics, economics, and history. Experience in journalism and debating activities can also be helpful. A foreign language is highly recommended but not required for the degree. Students who plan further study at the graduate level are strongly encouraged to take courses in an appropriate foreign language, since proficiency in two foreign languages is often required in doctoral programs.

Community college transfer students should contact their advising office, the Sonoma State University Political Science Department or consult the ASSIST.org website to identify appropriate lower-division major/minor preparatory courses. Typically, these would include a basic course in American political institutions, which would fulfill the state code requirements for U.S. Constitution and California state and local government and meet the department core requirement in American Political Systems. Other lower-division courses introducing students to the discipline of political science, the study of international relations, and the study of comparative politics also are highly recommended. The POLS 200/POLS 202 requirement can be met by a combination of AP American Government credit and POLS 151. The POLS 201 - Ideas and Institutions core requirement can be met if students take both Introduction to Political Theory and Introduction to Comparative Government at a community college.

Teaching Credential Preparation

Political Science majors interested in seeking a general elementary credential may demonstrate subject matter competency by passing the CSET Multiple Subject Assessment for Teachers.* For further information, contact the department office, or School of Social Sciences, (707) 664-2409.

** Or the CSET Single-Subject Assessment for Teachers*

Careers in Political Science

Law and Paralegal Careers

A bachelor's degree in Political Science offers excellent preparation for a wide range of careers in the public, private and non profit sectors. In particular, Political Science majors acquire the broad based knowledge and research, analytical and communications skills desirable to twenty-first century employers. A major in Political Science prepares students for the study and practice of law. The Department offers a number of specialized courses in the field of constitutional law and civil liberties. The degree also provides a foundation for public service careers at the national, state and local levels, including teaching, research, administration, planning, policy analysis and public office holder. Political Science is also an appropriate major for students interested in positions in the overseas agencies of the U.S. government or in international organizations. The major can lead to opportunities in campaign management, speech writing, polling, public relations, lobbying, and voting analysis. Political Science students have also entered journalism careers in television, and social and print media. A Political Science degree also offers excellent preparation for a degree in the private sector, such as labor relations, information analyst, governmental relations or budget analyst.

Master's in Public Administration, M.P.A.

www.sonoma.edu/polisci/masters/

Offered primarily as an evening program, the Master's degree in Public Administration (MPA) is a professional degree providing a rigorous 40-unit curriculum that emphasizes the education required to effectively analyze, formulate, and implement public policy in local, state, and national government, and to achieve similar goals in nonprofit agencies. The program recognizes the need for a strong combination of theoretical and practical learning. Students choose from two concentrations: Public Management (PM) or Non-Profit Agency Management (NP).

Each student is required to complete a 20-unit analytic core, a 16-unit concentration, and 4 units of graduate-level electives. Courses are based upon the professional curriculum established for public administration programs by the National Association of Schools of Public Affairs and Administration (NASPAA). Concentrations include specialized courses oriented toward the operation and management of public and nonprofit agencies and typically include fiscal management, personnel administration, legal issues, public policy, labor relations, marketing and resource development for nonprofits, and grants and contract management. Electives cover a wide range of important topics, including ethics, leadership, organizational computer usage, internships, and special studies.

Up to 9 units of comparable graduate course work may be transferred into this program per CSU policy.

If at any time it is determined that the candidate has an English deficiency, extra courses in English will be required in addition to the regular course of study.

Admission Requirements

Students apply to **both** the University and to the M.P.A. program.

1. A bachelor's degree with a major from an accredited college or university with a grade point average of at least 3.00 for the last 60 units of college-level work attempted;
2. **Prerequisites:** To ensure adequate background, a candidate for admission should have **experience** or **course preparation** in the following areas:
 1. State and local government,
 2. Federalism and Inter-Governmental Relations (IGR),
 3. Influences on domestic policy making.
 - **Recommended:** One year experience working in a nonprofit organization or a course in introduction to nonprofit organizations (example: through Sonoma County Volunteer Center). **Candidates without such experience or course preparation can be admitted to the program but must make up deficiencies during the first three semesters of study.** Prerequisites do not count toward the 40-unit degree. Acceptability of experience or previous coursework as prerequisites will be determined in consultation with the program's graduate coordinator;
3. Completion of **both** University and departmental applications. Included in the departmental application are three letters of recommendation. Only three letters will be considered; and
4. Recommendation of the program by the graduate coordinator for entrance to the program.

Graduation Requirements for the Master's Degree

1. A grade point average of at least 3.00;
2. Satisfactory completion of required coursework, including elective units. No courses for which a grade less than B is earned will be acceptable in meeting the 40-unit M.P.A. requirement. Students earning a B- or lower in a course will be required to repeat the course with a grade of B or better;
3. Completion of a master's thesis and oral defense, two comprehensive written examinations or a capstone project.
4. Recommendation of the program graduate coordinator; and
5. Successful completion of the WEPT (or its equivalent), or waiver by the University of this requirement. This waiver is granted by the program graduate coordinator.

Course Work

Common Core Requirements - 20 Units

- POLS 502 - Organizational Theory and Analysis **Unit(s): 4**
- POLS 503 - Budget and Fiscal Administration **Unit(s): 2**
- POLS 505 - Research Methods **Unit(s): 4**

- POLS 539 - Program Implementation **Unit(s): 4**
- POLS 550 - Planning and Evaluation **Unit(s): 4**
- POLS 580 - Nonprofit Dynamics: Politics and Community Environment **Unit(s): 2**

Public Management Concentration Requirements - 16 Units

- POLS 501 - The Administrative State **Unit(s): 4**
- POLS 503A - Public Finance **Unit(s): 2**
- POLS 504A - Public Personnel Administration **Unit(s): 2**
- POLS 506 - Public Policy Process **Unit(s): 4**
- POLS 511 - Labor Relations **Unit(s): 2**
- POLS 538 - Administrative Law **Unit(s): 2-4**

Nonprofit Concentration Requirements - 16 Units

- POLS 503B - Fiscal Management of Nonprofit Agencies **Unit(s): 2**
- POLS 504B - Personnel Administration for Nonprofit Organizations **Unit(s): 2**
- POLS 581 - Nonprofit Governance and Legal Issues **Unit(s): 2**
- POLS 582 - Planning and Nonprofit Agencies **Unit(s): 2**
- POLS 583 - Resource Development for Nonprofit Agencies **Unit(s): 4**
- POLS 585 - Marketing and Public Relations for Nonprofit Agencies **Unit(s): 2**
- POLS 587 - Grant Writing and Administration **Unit(s): 2**

Electives - 4 Units Total, can include:

- POLS 507 - Ethics in Administration **Unit(s): 4**
- POLS 512 - Organizational Development **Unit(s): 4**
- POLS 513 - Leadership and Supervision **Unit(s): 4**
- POLS 560 - Special Issues in Public Policy **Unit(s): 4**
- POLS 588 - Issues in Nonprofit Administration **Unit(s): 4**
- POLS 597 - Graduate Internship **Unit(s): 1-4 (4 Unit(s) Required)**
- POLS 598 - Capstone Project **Unit(s): 1-4 (4 Unit(s) Required)**
- POLS 599 - Master's Thesis **Unit(s): 2-4 (4 Unit(s) Required)**

Culminating Experience

All students in the M.P.A. program are required to complete either a thesis, a comprehensive examination, or a capstone project prior to award of the degree. Those opting for a thesis as their culminating experience are required to complete 40 units of coursework, exclusive of prerequisites, and can include 4 units of POLS 599 (Thesis Prep) as an elective. Students electing to take the comprehensive exam must complete 40 units of total coursework exclusive of prerequisites and POLS 596 (exam preparation). Students choosing a capstone project must complete 40 units of coursework, exclusive of prerequisites, and can include 4 units POLS 598 (Capstone Project) as an elective.

Political Science, B.A.

Degree Requirements	Units
General education (50, 8 units in major)	42
Major requirements	40*
General electives	38
Total units needed for graduation	120

* Major requirement units (except internships) must be taken for a letter grade

Major Core Requirements

Passage of all major core requirements requires a grade of 'C' or better. POLS 302 is a prerequisite for POLS 498.

*POLS 202 is strongly recommended for POLS majors.

- POLS 201 - Ideas and Institutions **Unit(s): 4**
- POLS 202 - Issues in Modern American Politics **Unit(s): 4 * OR**
- POLS 200 - American Political System **Unit(s): 3**
- POLS 302 - Social Science Research Methods **Unit(s): 4**
- POLS 303 - Comparative Political Analysis **Unit(s): 4**
- POLS 304 - Theory and Analysis of International Relations **Unit(s): 4**
- POLS 498 - Senior Seminar **Unit(s): 4**

Major Electives

One course must be taken from each of the following areas: Political Theory, International Relations, Comparative Politics, and American Government and Politics.

Political Theory

Choose one of the following six courses:

- POLS 310 - Classical Political Thought **Unit(s): 2-4 (4 Unit(s) Required)**
- POLS 311 - Modern Political Thought: Machiavelli to Obama **Unit(s): 4**
- POLS 312 - American Political Thought **Unit(s): 4**
- POLS 313 - Critical Theory: Race and Gender **Unit(s): 4**
- POLS 314 - Environmental Political Theory **Unit(s): 4**
- POLS 315 - Modern Political Ideologies **Unit(s): 3-4 (4 Unit(s) Required)**
- POLS 415 - Explorations in Political Theory **Unit(s): 3-4 (4 Unit(s) Required)**

International Relations

Choose one of the following seven courses:

- POLS 345 - Model United Nations (MUN) **Unit(s): 4**
- POLS 444 - United States Foreign Policy **Unit(s): 4**
- POLS 445 - International Organizations **Unit(s): 4**
- POLS 446 - International Relations of the Middle East: Israel, the Palestinians, and the United States **Unit(s): 4**
- POLS 447 - Nonviolent Strategies in International Relations **Unit(s): 4**
- POLS 448 - Political Violence, Terrorism, and Law **Unit(s): 4**
- POLS 449 - Gender and Geopolitics in Science Fiction and Fantasy **Unit(s): 4**
- POLS 486 - Selected Issues: International Politics **Unit(s): 3-4 (4 Unit(s) Required)**

Comparative Politics

Choose one of the following nine courses:

- POLS 350 - European Parliamentary Democracies **Unit(s): 4**
- POLS 351 - Politics of Russia **Unit(s): 4**
- POLS 352 - Politics of Eastern Europe **Unit(s): 4**
- POLS 450 - Politics of Asia **Unit(s): 4**
- POLS 452 - Politics of the Developing World **Unit(s): 4**
- POLS 453 - Politics of Latin America **Unit(s): 4**
- POLS 487 - Selected Topics in Comparative Politics **Unit(s): 4**

American Government And Politics

Choose one of the following twenty courses:

- POLS 320 - State, City, and County Government **Unit(s): 4**
- POLS 330 - Race, Ethnicity, and Politics **Unit(s): 4**
- POLS 391 - Gender and Politics **Unit(s): 4**
- POLS 420 - American Political Development **Unit(s): 4**
- POLS 421 - Federal and Intergovernmental Relations **Unit(s): 3-4 (4 Unit(s) Required)**
- POLS 423 - Introduction to Constitutional Law **Unit(s): 4**
- POLS 424 - The Bill of Rights, Civil Liberties, and the Constitution **Unit(s): 4**
- POLS 425 - The American Party System **Unit(s): 4**
- POLS 426 - The Legislative Process **Unit(s): 4**
- POLS 427 - The American Presidency **Unit(s): 4**
- POLS 428 - Seminar in California Politics and Government **Unit(s): 4**
- POLS 429 - Interest Groups **Unit(s): 4**
- POLS 430 - Introduction to Public Administration **Unit(s): 4**
- POLS 431 - Politics and the Media **Unit(s): 4**
- POLS 466 - Political Psychology **Unit(s): 4**
- POLS 475 - Urban Politics and Policy **Unit(s): 4**
- POLS 481 - Politics of Regulation and Land Use **Unit(s): 3-4 (4 Unit(s) Required)**
- POLS 483 - Politics of Wealth and Poverty **Unit(s): 4**
- POLS 484 - Elections and Voter Behavior **Unit(s): 4**

- POLS 485 - Political Power and Social Isolation **Unit(s): 4**
- POLS 488 - Special Topics in American Government and Politics **Unit(s): 4**

Units

Total units in the major core: 40

Sample Four-Year Program

Bachelor of Arts in Political Science

** Distribute these upper-division area courses across Junior/Senior years, according to Department offerings and/or your own personal schedule.*

Note: It is recommended that majors consider taking history and economic courses as part of their elective options. Nine units of the GE requisite must be filled with upper-division courses, taken no sooner than the term in which upper-division standing (60 units) is attained. POLS 315 (Democracy, Capitalism, & Socialism) counts as both an upper-division GE course (D5) as well as an upper-division political theory course for the major.

Freshman Year: 30 Units

- POLS 201 - Ideas and Institutions **Unit(s): 4**
- POLS 202 - Issues in Modern American Politics **Unit(s): 4**
- GE

Sophomore Year: 30 Units

- POLS 302 - Social Science Research Methods **Unit(s): 4**
- POLS 303 - Comparative Political Analysis **Unit(s): 4**
- POLS 304 - Theory and Analysis of International Relations **Unit(s): 4**
- GE

Junior Year: 29 Units

- Comparative Government *
- International Relations *
- GE

Senior Year: 31 Units

- Political Theory *
- American Government *
- Senior Seminar
- Electives

Total Units: 120

Political Science, Minor

To earn a Political Science (POLS) minor, students must take a total of 20 units of POLS coursework. Passage of POLS 200 or 202 and POLS 201 for the Political Science minor requires a grade of C or better.

POLS 200 American Political System (3) or
POLS 202 Issues in Modern American Politics (4)
POLS 201 Ideas and Institutions

Upper-division courses in Political Science

Total units in the minor

3-4 units

4 units

12-13 units

20 units

NOTE: Passage of POLS 200 or POLS 202, AND POLS 201 for the minor requires a grade of 'C' or better.

Minor Requirements

- POLS 200 - American Political System **Unit(s): 3 OR**
- POLS 202 - Issues in Modern American Politics **Unit(s): 4**

- POLS 201 - Ideas and Institutions **Unit(s): 4**
- Upper-division courses in political science **Unit(s): 12-13**

Units

Total units in the minor: 20

Code Requirements

POLS 200 - American Political System or POLS 202 - Issues in Modern American Politics fulfills state code requirements in U.S. Constitution and California state and local government. Upper-division courses may also be used to satisfy certain of these code requirements upon approval by the department chair.

Psychology

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*Faculty Early Retirement Program

What is Psychology?

Psychology is the study of mind, behavior and experience. From this foundation, psychologists have developed sub-disciplines that address many diverse aspects of human experience. Psychology is a field that requires one to apply focused knowledge, abilities, and skills in order to solve human problems. It is an extremely diverse field that attracts people with a wide variety of backgrounds, interests, and skills.

The Psychology Department

From its founding in 1960, the department was allied with the humanistic and existential traditions in psychology. The department offered the first graduate program in humanistic psychology and also helped to pioneer that field, with four faculty having served as president of the Association for Humanistic Psychology. The department has been distinctive for its pioneering work in such areas as somatics, client-centered therapy, expressive arts, biofeedback, health psychology, organization

development, ecopsychology, Jungian and archetypal psychology, transpersonal psychology, interdisciplinary learning, student-directed learning, experiential learning, and learning-community approaches. This distinctiveness has led to widespread recognition.

We currently offer a diverse array of traditional and contemporary approaches to studying human experience. Faculty teach, conduct research, author books and articles, pioneer community projects, and consult with organizations and groups. Current faculty interests include social justice, multicultural psychology, health psychology, depth psychology, clinical practice and mental health counseling, spirituality and mindfulness, community service, ecopsychology, creativity, and child development. Our goal is to empower students with psychological knowledge and practical skills that will enable them to be effective agents of change in the world.

The department's five Breadth areas address central subfields in the discipline of psychology. These subfields are: holistic, clinical/counseling, developmental, social/personality, and cognitive/physiological.

Holistic: focuses on the essential wholeness of persons by developing knowledge and skills integral to health and growth, such as self-reflection, self-awareness and creativity.

Clinical / Counseling: develops knowledge and skills in understanding and helping others, and in health-promoting behaviors.

Developmental: investigates changes in persons over the life span, and explores how this knowledge may be used in applied settings such as in parenting, education, and community life.

Social / Personality: focuses on how individual differences among people and the social context in which they live shape their emotions, thoughts and behavior.

Cognitive / Physiological: explores the physiological foundations of human experience, as well as the mental processes involved in learning, memory, perception, and problem solving.

The department strongly recommends that students take courses in psychology and other disciplines to gain competence in diversity areas of culture, race and ethnicity, gender, sexual orientation, disability, age, religion, and social class. While all psychology faculty are committed to including diversity in their courses, specific courses focus on diversity issues and students' development of multicultural competence. These courses are identified in the course descriptions and the semester course schedule.

The department offers a master of arts in psychology with an emphasis in depth psychology. Depth psychology cultivates specific methods and skills designed to explore the inner life, give form to it, understand it, and apply it to persons, groups, art forms, and cultures. Therapists, counselors, psychologists, teachers—anyone who works closely with people—may apply the knowledge of depth psychology to their work.

Department Learning Goals and Objectives

The Psychology Department curriculum is designed to develop the following skills in each student by graduation time. The courses are devised to enable each student to:

- Understand the major concepts, theories, and perspectives in psychology;

- Apply psychological theories, concepts, and principles to individual experience as well as to social issues and social systems;
- Reflect on personal experience in light of psychological knowledge;
- Recognize and understand the complexity of cultural diversity, in light of psychological knowledge;
- Understand and apply basic research methods in psychology and the social sciences; and
- Demonstrate skills that promote behavioral change at the individual, organizational, and community levels.

Careers in Psychology

A career in psychology gives opportunities to break new ground in science, to better understand yourself and others, to help people live richer and more productive lives, and to establish ongoing personal and intellectual growth in school and throughout your career.

Many people with psychology training find it rewarding to work directly with people—for example, helping them to overcome depression, or to stop smoking, training people on health behaviors, parenting, skills, etc. Others are excited by research questions on topics such as health and well being, decision-making, eating disorders, brain functioning, parenting skills, forensic work, and child development.

Careers: Bachelor's Degree in Psychology

A bachelor's degree in psychology means that you graduate with a strong liberal arts education and adequate preparation for entry-level employment in one of many career paths, including:

- Administration and management
- Aging, human services, and advocacy
- Behavior change consulting
- Behavioral Specialist
- Childhood Education
- Counseling
- Health services
- Marketing and public relations
- Human Resources
- Research Assistant
- Not-for-Profit Organizations
- Organizational consulting
- Probation and parole
- Psychiatric assistant
- Social service casework and advocacy
- Teaching

Careers: Graduate Work and Further Training

Students are encouraged to search graduate programs in their fields of interest to identify graduate prerequisites. Students should consult the psychology department website which has some career

information and web links to graduate schools and programs.

Most master's and doctoral programs and employers prefer applicants who, in addition to their academic background, have some kind of applied internship or research assistantship that provides hands-on experience in their field.

Traditionally, with a master's or doctoral degree, people are employed in different settings such as education, government, private industry, non-profit organizations, research institutes, hospitals, and clinics. They work as professors teaching within their discipline at universities, community colleges, or high schools. Licensed psychologists provide individual or group therapy in private clinics, hospitals, the military, or schools. School counselors/psychologists work with students and their families to support healthy social, cognitive, and emotional development. People with advanced degrees are often hired as consultants to work on a variety of tasks related to their specific area of expertise-e.g., Designing marketing surveys, providing training to executives and other professionals, etc.

Internships

The Psychology Department strongly recommends community internship experience, particularly for the student going on to counseling or clinical psychology master's and doctoral degrees.

Each semester students may participate in field placements and internship work experiences in organizations and agencies throughout the University's six-county service area. These internships involve on-the-job training by the agency as well as academic work under the supervision of a faculty member. This experience forms an important base for academic credit and helps students to obtain a range of learning experiences not otherwise found in the department. Applications for internship should be made near the end of the semester preceding the internship semester. Students planning on graduate work in clinical or counseling psychology are encouraged to gain internship experience well before applying to graduate school. A maximum of 8 units of Credit/No Credit classes may be applied to the major, including internship units.

Some Psychology Department instructors offer teaching internships to advanced students who have taken and excelled in a course. Duties include working with the classroom instructor in class preparation and classroom tasks, and facilitating small group work. Teaching Assistants register for PSY 482 - Teaching Internship, or PSY 483 - Advanced Teaching Internship (C/NC). A maximum of 8 credit/no credit units may count toward the psychology major.

Research Assistantships

The Psychology Department strongly recommends research assistantships for those students going on to graduate work in psychology at the master's or doctoral levels. Many university graduate programs require students to have experience in conducting psychological research, as well as in analyzing data and writing up the results. In order to find out more about these research opportunities, students should consult with individual faculty members who are mentoring students in faculty research projects. Please see the psychology department website (www.sonoma.edu/psychology) to identify the departments academic advisors, their hours and office hours.

Special Studies

Students who wish to carry out independent study and research are encouraged to contact an individual faculty member of their choice.

Counseling, M.A.

Admission Requirements

1. Have a B.A. degree, preferably in psychology or other related behavioral sciences. School Counseling students should have some first hand knowledge of the K-12 school system.
2. For both options, a course in personality theory is required; in addition, a course in abnormal psychology is required for the CMHC option. A course in child development is required for the PPS option. Effective for fall 2018 admission, all PPS applicants must have passed the CBEST in order to apply to the program.
3. Applicants are encouraged to have acquired an undergraduate-level of understanding of human development, family/educational systems, cognitive-behavioral applications, and client-centered therapy. This introductory knowledge base may be acquired by enrolling in relevant coursework or by undertaking thoughtful reading on these topics.
4. A 3.00 (B) grade point average. Applicants with an undergraduate GPA below 3.0 should include an explanation of any extenuating circumstances.
5. Completion of counseling department application forms, in addition to those required by the University.
6. A personal interview and group interview is required for applicants considered for final review. In these interviews, questions may involve personal disclosure deemed relevant by the faculty for determining the applicant's readiness for beginning training for a career in counseling. All disclosures are held in strict confidence, within the department.

The Departmental Admissions Committee has found the following criteria meaningful for applicants:

1. The ability to handle academic work of graduate-level rigor, generally as evidenced by previous academic performance;
2. Counseling-relevant work experience (paid or volunteer); and
3. Global personality assessment—suitability for a career in a helping profession, as evidenced by quality of interview, personal data, autobiography, and letters of recommendation.

For more information, please see Graduate Degrees in the Degree Requirements section of this catalog.

Application Procedures

Interested persons can obtain the standard statewide graduate application form from the Admissions Office of Sonoma State University or download an application from the Sonoma State web page. Students are accepted to the counseling program only once a year. All applicants to the program must also apply for admission to the University and follow the University timelines for admission procedures. For specific instructions, dates, and procedures, contact the Counseling Department and/or the Office of Admissions and Records.

General Information Meetings

Students planning to apply for admission or students wishing to enroll in any of the counseling department's courses are urged to attend one of the informational meetings specifically planned for prospective students. Selection criteria, admission procedures, and registration and advisement procedures will be explained. For informational meeting dates, visit the department web page.

Major Core Requirements

- COUN 501 - Counseling Theories and Professional Orientation **Unit(s): 4**
- COUN 510A - Applied Counseling Techniques and Assessment **Unit(s): 4**
- COUN 511F - Career Counseling: Foundations, Measurement and Assessment, and Issues Throughout the Lifespan **Unit(s): 3**
- COUN 513 - Research, Evaluation, and Assessment in Counseling **Unit(s): 4**
- COUN 570 - Seminar Multicultural Counseling **Unit(s): 4**

Options

All master's candidates are required to complete a culminating project (in lieu of a Master's thesis) demonstrating a comprehensive and integrated understanding of the field of counseling. School Counseling culminating projects will be comprised of 1) a clinical case presentation in the COUN 514A/COUN 514B Field Experience sequence; and 2) a culminating portfolio. Clinical Mental Health Counseling culminating projects will be comprised of 1) a clinical case presentation in the COUN 515A/COUN 515B Field Experience sequence; and 2) passing the CMHC Exit Exam. Six hundred (600) hours of supervised field experience are required for both the CMHC and School Counseling options.

- Option I - Clinical Mental Health Counseling (MFT & LPCC)
- Option II - School Counseling/Pupil Personnel Services Credential

Units

Total units in M.A. core: 16

Total units in the Community Counseling/MFT option: 44

Total units in the School Counseling option: 36

Total units in the degree: 60

Community College Counseling Credential

The M.A. degree program is not intended to meet criteria for a community college counseling specialization.

Sample Two-Year Program

Master of Arts in Counseling

CMHC: MFT/LPCC

First Year: 29-32 Units

Fall Semester (16 Units)

- COUN 501 - Counseling Theories and Professional Orientation **Unit(s): 4**
- COUN 510A - Applied Counseling Techniques and Assessment **Unit(s): 4**
- COUN 545 - Counseling Orientation, Law and Ethics, and Case Management Practices **Unit(s): 4**
- COUN 570 - Seminar Multicultural Counseling **Unit(s): 4**

Spring Semester (13 Units)

- COUN 510B - Applied Counseling Practicum and Advanced Techniques **Unit(s): 4**
- COUN 503 - Clinical Diagnosis and Treatment Planning **Unit(s): 4**
- COUN 582 - Psychopharmacology for Counselors **Unit(s): 3**
- COUN 583 - Substance Abuse and Dependence **Unit(s): 2**

Second Year: 28-31 Units

Fall Semester (15 Units)

- COUN 515A - CMHC Supervised Field Experience I **Unit(s): 4**
- COUN 540 - Counseling Diverse Couples and Families **Unit(s): 4**
- COUN 511F - Career Counseling: Foundations, Measurement and Assessment, and Issues Throughout the Lifespan **Unit(s): 3**
- COUN 502 - Whole Lifespan Development **Unit(s): 4**

Spring Semester (16 Units)

- COUN 513 - Research, Evaluation, and Assessment in Counseling **Unit(s): 4**
- COUN 515B - CMHC Supervised Field Experience II **Unit(s): 4**
- COUN 512 - Theory and Practice of Group Counseling **Unit(s): 4**
- COUN 580 - Couples and Sexuality Counseling **Unit(s): 4**

School Counseling/PPSC

First Year: 29-32 Units

Fall Semester (16 Units)

- COUN 510A - Applied Counseling Techniques and Assessment **Unit(s): 4**
- COUN 520 - Introduction to School Counseling **Unit(s): 4**
- COUN 527 - Law and Ethics for School Counselors **Unit(s): 4**

- COUN 570 - Seminar Multicultural Counseling **Unit(s): 4**

Spring Semester (16 Units)

- COUN 501 - Counseling Theories and Professional Orientation **Unit(s): 4**
- COUN 510B - Applied Counseling Practicum and Advanced Techniques **Unit(s): 4**
- COUN 524 - Counseling Children and Adolescents **Unit(s): 4**
- COUN 526 - Group Counseling in the Schools **Unit(s): 4**

Second Year: 28-31 Units

Fall Semester (12 Units)

- COUN 514A - School Counseling Supervised Field Experience I **Unit(s): 4**
- COUN 528A - Consultation **Unit(s): 3**
- COUN 528B - Crisis Intervention **Unit(s): 1**
- COUN 513 - Research, Evaluation, and Assessment in Counseling **Unit(s): 4**

Spring Semester (16 Units)

- COUN 514B - School Counseling Supervised Field Experience II **Unit(s): 4**
- COUN 521 - Seminar: Pupil Personnel Services - Concepts and Organization **Unit(s): 4**
- COUN 523 - Working with Families in School Setting **Unit(s): 4**
- COUN 511F - Career Counseling: Foundations, Measurement and Assessment, and Issues Throughout the Lifespan **Unit(s): 3**
- COUN 511G - Academic and Career Planning and Counseling Issues of K-12 Populations **Unit(s): 1**

Total Units: 60

Psychology, B.A.

For first-time freshman	Units
General education (48, 7 units in major)	41
Major requirements	44*
Electives	35
For transfer students	
General education	48
Major requirements	40*
Electives	32

Total units needed

120

*(40 units in Psychology major and 4 units in statistics.)

Admission to the Psychology Major

First-Time Freshman

- Cumulative high school college prep (A-G) 10th-12th grade GPA 3.0

Transfer Students

- Cumulative CSU transferable GPA 3.0
- Completion of 60 CSU transferable units
- Out of the 60 CSU transferable units, 30 units completed must be General Education (GE) Units
- Area A1 Oral Communication (Speech), A3 Critical Thinking and B4 General Education Math completed with a C or better
- Completion of Area A2 Written Communication (English Composition) with a letter grade of "C-" or better (English 101)
- Completion of PSY 250 (Introduction of Psychology) or equivalent with a grade of "C" or better
- Recommend completion of Sonoma State equivalent MATH 165 (Statistics) with a letter grade of "C" or better, it can be completed at SSU. BUS 211 or ECON 217 can fill this requirement as well.
- Recommend completion of PSY 280 (Research Methods) or equivalent with "C" better. It can be completed at SSU, as well as other campuses.

In-House Transfer Students

- Cumulative GPA 3.0
- Completion of PSY 250 (Introduction to Psychology) or equivalent with a grade of "C" or better
- Completion of at least 45 units at a time of application.

Note: that PSY 270, PSYCH of self-discovery must be taken at Sonoma State.

- ENGL 101 - Expository Writing and Analytical Reading **Unit(s):** 3 (with a letter grade of "C-" or higher)
- PSY 250 - Introduction to Psychology **Unit(s):** 3 (with a letter grade of "C" or higher)

Major Requirements

The Psychology major consists of 40 units in the major, plus a 4-unit course in statistics. Many psychology majors take more than 40 major units, and add a second major or a minor in another discipline. Students are encouraged to work in community internships and to expand their knowledge of diversity issues with coursework within the department and the university.

In addition to statistics, no more than 11 units in the major may be lower-division psychology units. At least 29 units must be upper-division psychology (SSU courses numbered 300 or higher). All courses for the major must be taken for a grade if this is offered, and must be passed with **a grade of C or better**. A maximum of 8 units may be taken credit / no credit in the major—this includes internships and special

studies courses. Psychology GE courses count for the major as well as for GE. (PSY 250, PSY 302, and PSY 325.)

Lower Division Courses

- PSY 250 - Introduction to Psychology **Unit(s):** 3 (or equivalent)
- MATH 165 - Elementary Applied Statistics **Unit(s):** 4 (or equivalent)
- PSY 270 - Psychology of Self-Discovery **Unit(s):** 4
- PSY 280 - Psychological Research Methods **Unit(s):** 4 (or equivalent)

Upper Division Courses:

- Complete one course from 4 out of 5 Breadth Areas
- Electives drawn from Breadth Areas or Electives

Units

Total: 44

Required Courses for the Major

PSY 250 - Introduction to Psychology, gives students a broad overview of the diverse theories and methods that psychologists use to investigate questions about human behavior and experience. An equivalent course may be taken at other colleges and universities. An AP exam score of 3 or a pass in the CLEP test of introductory psychology meets this course requirement.

MATH 165 - Elementary Applied Statistics, provides the foundation to understand how psychologists and social scientists evaluate the evidence obtained in empirical studies. An equivalent course in Math or Psychology may be taken at other colleges or universities, or ECON 217, BUS 211, or MATH 165X, may be used to fill the statistics requirement. Most students use this course to meet the GE Area B4 requirement.

PSY 270 - Psychology of Self-Discovery, develops skills characteristic of healthy, engaged, growth-oriented persons in areas such as mindfulness, emotional intelligence, interpersonal relationships, dreamwork, and self-reflection.

PSY 280 - Psychological Research Methods, provides foundational knowledge and skills in psychological research methods, data collection and data interpretation. An equivalent course may be taken at other colleges and universities.

Upper-Division Breadth Areas

Students must complete one upper-division course from 4 out of 5 Breadth areas: Holistic, Clinical / Counseling, Developmental, Social / Personality, and Cognitive / Physiological. Courses marked with (Diversity) represent courses that focus on Diversity issues.

Holistic

- PSY 307 - Humanistic, Existential, and Transpersonal Psychology **Unit(s): 4**
- PSY 322 - Myth, Dream, and Symbol **Unit(s): 3-4**
- PSY 335 - Memoir and Autobiography **Unit(s): 3-4**
- PSY 338 - Psychology of Creativity **Unit(s): 4**
- PSY 342 - The Psychology of Meditation **Unit(s): 4**
- PSY 352 - Psychology of Yoga **Unit(s): 3-4**
- PSY 358 - Health Psychology **Unit(s): 3-4**
- PSY 360 - Peak Performance Psychology **Unit(s): 4**
- PSY 466 - Jungian Psychology **Unit(s): 4**
- PSY 470 - Psychology of Film **Unit(s): 4**
- PSY 471 - Psychology of Religion **Unit(s): 4**
- PSY 485 - Ecopsychology **Unit(s): 4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Clinical / Counseling

- PSY 411 - Child Psychopathology **Unit(s): 4**
- PSY 425 - Psychopathology **Unit(s): 4**
- PSY 428 - Introduction to Counseling **Unit(s): 4**
- PSY 430 - Depth Oriented Psychotherapies **Unit(s): 4**
- PSY 431 - Introduction To Art Therapy **Unit(s): 4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Developmental

- PSY 302 - Life Span Development **Unit(s): 3**
- PSY 408 - Transitions in Adult Development **Unit(s): 4**
- PSY 409 - Social and Emotional Development **Unit(s): 4**
- PSY 410 - Child Development **Unit(s): 3-4**
- PSY 412 - Adolescent Psychology **Unit(s): 3-4**
- PSY 413 - Adolescent Development through Film **Unit(s): 4**
- PSY 414 - Infant Development **Unit(s): 4**
- PSY 418 - The Psychology of Family **Unit(s): 3-4**
- PSY 448 - Cognitive Development **Unit(s): 4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Social / Personality

- PSY 325 - Social Psychology **Unit(s): 4**

- PSY 327 - Psychology in Organizations **Unit(s): 4**
- PSY 328 - Multicultural Psychology **Unit(s): 4**
- PSY 405 - The Psychology of Gender **Unit(s): 4**
- PSY 438 - Psychological Aspects of Disability **Unit(s): 3-4**
- PSY 461 - Personality **Unit(s): 3-4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Cognitive / Physiological

- PSY 362 - Human Sexuality **Unit(s): 4**
- PSY 415 - Sensation & Perception **Unit(s): 4**
- PSY 446 - Cognitive Psychology **Unit(s): 4**
- PSY 447 - Learning and Behavior **Unit(s): 3-4**
- PSY 450 - Physiological Psychology **Unit(s): 4**
- PSY 454 - Biofeedback, Somatics, and Stress Management **Unit(s): 4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Upper-Division Additional Courses

Students must complete a total of 40 units in psychology (11 lower division and 29 upper division). After taking the required 11 lower division units AND one upper division course from 4 out of the 5 Breadth areas (15 to 16 units), students complete the remaining units (13 to 14 units) by taking ANY other upper division psychology courses. A maximum of 8 Credit/No Credit (C/NC) units may count toward the major.)

- PSY 306 - History of Modern Psychology **Unit(s): 4**
- PSY 311 - Psychology Dialogue Series **Unit(s): 1-2**
- PSY 313 - Careers in Psychology **Unit(s): 2-4**
- PSY 399 - Graduate Student-Instructed Course **Unit(s): 1-3**
- PSY 445 - Advanced Research Design and Analysis **Unit(s): 4**
- PSY 481 - Research Internship **Unit(s): 1-8**
- PSY 482 - Teaching Internship **Unit(s): 1-8**
- PSY 495 - Special Studies **Unit(s): 1-4**
- PSY 499 - Internship **Unit(s): 1-4**
- PSY 490 - Psychology Seminar **Unit(s): 1-4**

Advising

Starting Fall 2018, all psychology students have assigned academic advisors by the students' last names, in alphabetical order. The name of the psychology student's assigned advisor is listed under People Soft/Student Center. Students can come for drop-in advising during their assigned advisor's office hours and attend group-advising sessions before graduation and registration deadlines. For further information, students may consult the SSU advising policy at <https://www.sonoma.edu/policies/instructional-faculty-office-hours-and-availability>. To make the most of their education, students are encouraged to consult the psychology department website, which has

extensive career information and web links to graduate schools and programs. Students are encouraged to do their own research on graduate programs and course prerequisites.

GE Advising:

The school of Social Science GE academic advisor provides information on GE lower-division course selection. Check office hours for the GE advisor at: <http://web.sonoma.edu/socsci/>.

Freshman Advising:

During the first two years at SSU, students take the lower division major requirements: Psy 250, Psy 270, Psy 280 and lower division GE courses. Students should meet with their assigned psychology academic advisor no later than the second semester of their sophomore year. Please see the Psychology Department website (www.sonoma.edu/psychology) to identify the department's academic advisors and their office hours and locations.

Transfer Advising:

Transfer students must attend summer transfer orientation, group advising, and meet with their psychology advisor during their first semester. Please note that Psy 270, Psychology of Self-Discovery is the only required class that must be taken at SSU. We strongly advise students to complete Psy 270 their first semester and no later than their junior year.

Internships

All internships are credit/ no credit. A minimum of 8 credit/ no credit units may count toward the 40 psychology-major units (psych 499).

The Psychology Department strongly recommends community internship experience, particularly for the student going on to counseling clinical/psychology master's and doctoral degrees.

Each semester students may participate in field placements and internship work experiences in organizations and agencies. These internships involve on-the-job training by the agency as well as academic work under the supervision of the psychology Internship coordinator, Dr. Mary Schinder. This experience forms an important base for academic credit and helps students to obtain a range of learning experiences not otherwise found in the department. Students must begin the internship process the semester prior to starting their actual internship. This includes: attending an internship informational meeting, obtaining a PSY 499 syllabus, setting up internship placement, completing an internship agreement form and providing the agency supervisor with our supervision information letter. See internships updates on our Internships webpage <http://web.sonoma.edu/psychology/internships/>. Students planning on graduate work in clinical or counseling psychology are encouraged to gain internship experience well before applying to graduate school.

Check the psychology department for updates on Teaching Assistantships.

Research and Teaching Internships

The Psychology Department strongly recommends research assistant for those students going on to graduate work in psychology at the master's or doctoral levels. Many university graduate programs

require students to have experience in conducting psychological research, as well as in analyzing data and writing up the results. In order to find out more about these research opportunities, students should consult with individual faculty members who are mentoring students in faculty research projects.

Some Psychology Department instructors offer teaching internships to advanced students who have taken and excelled in a course. Duties include working with the classroom instructor in class preparation and classroom tasks, and facilitating small group work. Teaching Assistants register for Psy 482, Teaching Internship (C/NC).

Check the psychology department for updates on Teaching Assistantships.

Sample Four-Year Program

Bachelor of Arts in Psychology

Freshman Year: 28 Units

Fall Semester (14 Units)

- PSY 250 - Introduction to Psychology **Unit(s): 3**
- GE

Spring Semester (14 Units)

- Elective
- GE

Sophomore Year: 28 Units

Fall Semester (14 Units)

- PSY 270 - Psychology of Self-Discovery **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- GE
- Elective

Spring Semester (14 Units)

- PSY 280 - Psychological Research Methods **Unit(s): 4**
- GE

Junior Year: 32 Units

Fall Semester (16 Units)

- PSY Breadth Area Requirement
- PSY Breadth Area Requirement
- PSY Breadth Area Requirement
- PSY Elective

Spring Semester (15-16 Units)

- PSY Breadth Area Requirement
- PSY Elective
- PSY Elective
- Upper-Division GE

Senior Year: 32 Units

Fall Semester (16 Units)

- PSY Elective
- Elective
- Upper-Division GE
- PSY 499 - Internship **Unit(s):** 1-4 (4 Credit(s) Required)

Spring Semester (16 Units)

- Elective
- Elective
- Upper-Division GE
- PSY Elective

Total Units: 120

Program Learning Outcomes

- Understand the major concepts, theories, and perspectives in psychology;
- Apply psychological theories, concepts, and principles to individual experience as well as to broader social issues and social systems;
- Reflect on personal experience in light of psychological knowledge;
- Recognize and understand the complexity of cultural diversity in light of psychological knowledge;
- Understand and apply basic research methods in psychology and the social sciences; and
- Demonstrate skills that promote behavioral change at the individual, organizational, and community levels.

Psychology, Depth Psychology Emphasis, M.A.

This program is going on hiatus for 2020-21, and will not be accepting admissions. For continuing students, please see the following description.

The Psychology Department, working in conjunction with the School of Extended and International Education, offers a Masters of Arts in Psychology with a depth psychology emphasis. This Special Sessions program is a partnership between the School of Social Sciences and the School of Extended & International Education (SEIE). Academic criteria for the program are set by the department and are determined in accordance with all applicable SSU and CSU policies. As a tuition, self-supported program, unique and separate fees are charged on a per-unit basis for all courses required for this program. These fees are set annually by the SSU President. Information about fees, financial aid and scholarships are available through SEIE. Degrees are awarded by the School of Social Sciences.

Curriculum in Depth Psychology

The curriculum offers a strong, supportive small-group learning environment within a structured 36-unit two-year curriculum. In the first year, the 12-15 students take four foundational courses.

The Theories course explores the basic concepts of Jungian psychology, which is an in-depth language for understanding psychological development and creative expression. The Methods and Applications course teaches the techniques of depth inquiry, which are methods for accessing, exploring and understanding the hidden parts of the self. This is accomplished through intensive work with different symbolic forms, such as dreams, art, active imagination, sandplay, movement, myth, nature, and the body. The Cross-Cultural Mythology and Symbolism course focuses on common archetypal motifs across cultures as expressed in image, myth, fairy tale, ritual, rites of passage, and indigenous practices. The Research Methods course explores depth inquiry methodologies and develops skills in reviewing the literature, conducting a study, and interpreting the findings.

In the second year, students develop a research proposal for their culminating Master's requirement and begin implementing their study in the fall Culminating Paper Tutorial. In the spring students complete their study and prepare for the public presentation of their work in the Article Evening in May. Students have a choice of completing an article of publishable quality or a master's thesis focused on an area of passionate interest. Students choose seminars in depth psychology oriented around student interests. Past seminars have explored individuation; earth-based rites of passage; expressive arts; trauma; transformational teaching; neuropsychology; typology; and object relations.

The second year internship offers students community work experience in their field of interest, such as teaching, the arts, mental health, ecopsychology, and rights rites of passage. Students may apply to teach an undergraduate course in their field of expertise in the SSU Psychology Department as an internship. Past student-taught courses include cross-cultural rites of passage; myth and narrative; and indigenous wisdom. The Program coordinator assists students in developing curriculum and supervises the teaching internship.

Students also have the option, at additional expense, of enrolling in University courses that meet their specific learning needs. After completion of coursework, university policy requires students in master's programs to maintain continuous enrolment until completion of the M.A. program. A maximum of 10 academic units may be taken post-coursework. Students may sign up for 3 semesters of PSY 578, Project Continuation, and then renew thesis units with 3 units of PSY 599, Masters Thesis, at the current tuition rate. There is a 7-year limit on coursework for the M.A.

The Master's program sponsors a monthly Saturday lecture series open to the public that invites noted authors, therapists, and practitioners to come and discuss their work. Past presentations have included discussions of emotion and the archetypal imagination; spirituality; archetypal masculine and feminine; sandplay case studies; images of enlightenment; and psychological initiation.

Program of Study

** Students have the option to register for 1-3 semesters of Project Continuation following their two years of coursework in order to complete their article or master's thesis.*

Year One

- PSY 511A - Theories of Depth Psychology **Unit(s):** 2-4 (3 Unit(s) Required)
- PSY 511B - Theories of Depth Psychology **Unit(s):** 2-4 (3 Unit(s) Required)
- PSY 542A - Methods and Applications of Depth Psychology **Unit(s):** 3-4 (3 Unit(s) Required)
- PSY 542B - Methods and Applications of Depth Psychology **Unit(s):** 3-4 (3 Unit(s) Required)
- PSY 543A - Cross-Cultural Mythology and Symbolism **Unit(s):** 1-4 (3 Unit(s) Required)
- PSY 575 - Research Seminar **Unit(s):** 1-4 (3 Unit(s) Required)

Year Two

- PSY 543B - Cross-Cultural Mythology and Symbolism **Unit(s):** 1-4 (3 Unit(s) Required)
- PSY 575 - Research Seminar **Unit(s):** 1-4 (3 Unit(s) Required)
- PSY 576 - Seminar in Depth Psychology **Unit(s):** 1-5 (9 Unit(s) Required) (topics vary)
- PSY 581 - Internship **Unit(s):** 1-6 (3 Unit(s) Required)
- PSY 597 - Culminating Paper Tutorial **Unit(s):** 1-4 (3 Unit(s) Required)

Year Three and Post-Coursework (optional)*

- PSY 515 - Psychological Writing **Unit(s):** 1-4 (1 Unit(s) Required)
- PSY 551 - Directed Reading **Unit(s):** 1-4
- PSY 578 - Project Continuation **Unit(s):** 1-3 (3 semester limit)
- PSY 582 - Teaching College Psychology **Unit(s):** 1-8
- PSY 583 - Graduate Research Assistant **Unit(s):** 1-4
- PSY 595 - Special Studies **Unit(s):** 1-4
- PSY 599 - Master's Thesis **Unit(s):** 1-3 (3 Unit(s) Required) (following 3 semesters of PSY 578)

Prerequisites for Admission

Course prerequisites are required for admission and are designed to give students a foundation in the field of psychology and in symbolic exploration. The criteria for application and acceptance into the program are the following:

1. B.A. or B.S. from an accredited institution;

2. Minimum GPA of 3.0 in the last 60 units of coursework;
3. Competency in written and oral expression, as demonstrated by the coherence of the personal statement and oral interview;
4. Emotional maturity, as demonstrated in the personal written statement, life experiences, and oral interview;
5. Four area prerequisites: child, adult or lifespan development; abnormal/psychopathology; personality; and research methods. A maximum of 9 units may be lower division courses completed at a Community College;
6. Readiness for graduate work, as evidenced through three (3) letters of recommendation; and
7. Self-Reflectiveness, as evidenced in the discussion of symbolic work.

Fees and Financial Aid

Fees are set by the president in consultation with the School of Extended and International Education. Because of the self-support nature of the program, students are eligible for University and federal financial aid in the shape of scholarships, grants and loans, but are not eligible for state-funded financial awards.

Program Information

For information about the program, visit the website www.sonoma.edu/depth. Applications are online through the Cal State Apply process at <http://web.sonoma.edu/exed/admissions>

Psychology, Minor

Please consult the department's webpage www.sonoma.edu/psychology/degree/minor.html for current minor availability.

Sociology

Department Office
Schulz Library and Information Center, 2nd Floor
(707) 664-2561
www.sonoma.edu/sociology

Department Chair
Debora A. Paterniti

Administrative Coordinator
Monique Morovat

Administrative Coordinator
Emily Kyle

Faculty

James Joseph Dean

Melinda Milligan

Debra A. Paterniti

Peter Phillips*

Kyla Walters

Soo-Yeon Yoon

**Faculty Early Retirement Program*

Sociological research attempts to improve the human condition within the context of a strong tradition of social justice and human equality. Society shapes attitudes, goals, hopes and aspirations, and personal preferences. Society affects individuals, groups, and entire nations. Yet at the same time that society is shaping the individual, the individual is shaping society. In order to understand oneself and others, the world, and the future, one has to understand society. Sociology is the discipline that studies groups and societies—what they are, how they got that way, and what impact they have.

Sociology is a field with diverse areas of study. These range from the behavior of the individual as a social actor to the structure of entire societies. Key topics include social psychology, socialization, deviant behavior, group behavior, organizations and institutions, power, inequality, and social change. Major social institutions, including the family, education, religion, social welfare, medicine, work, politics, and the media, are also explored in detail. To develop skills for studying society, students are introduced to valuable techniques such as survey research, sampling, observational methods, content analysis, experimentation, interviewing, and computer applications in research.

Because sociology is a core subject for any liberal arts education, the department offers a variety of courses of interest to non-majors. These concern such current social issues as the problems of aging, drugs and society, social inequities, media, education, globalization, and the information revolution.

The major has been designed to allow each student, in consultation with an advisor, to develop an individualized program of study. The required courses ensure a solid grounding in sociological concepts, theories, and research methods.

By the time students graduate, they will:

- Create clear, succinct analysis in writing and speaking;
- Understand the structure and logic of the full range of the discipline;
- Formulate critical and analytic questions about society and be able to investigate them through original research;
- Demonstrate competence in handling databases and in using appropriate technical tools; and
- Apply theory and methods in sustained independent inquiry.

Careers in Sociology

Sociology provides an excellent preparation for a wide range of careers. A bachelor's degree in sociology qualifies one for opportunities in national, state, and local government, including research, public administration, personnel, and planning. The major can lead to positions in human services and social advocacy, including alcohol and drug rehabilitation, health agency administration, counseling, recreation, senior services, social welfare, vocational, and rehabilitation counseling. Applications of

sociology in business include organizational management, human relations, union organization, industrial relations, communication consulting, public relations, and marketing. Sociology constitutes valuable coursework in preparation for graduate study in law, business, and a variety of human services professions, as well as doctoral programs in sociology and related academic fields. Before graduation, sociology majors can establish internships that lead to valuable professional contacts and provide practical experience in pursuing these and additional career paths.

The department has a chapter of the national sociology honor society Alpha Kappa Delta, and it awards a C. Wright Mills Award for Sociological Imagination on an annual basis for the best original research paper produced by a student in the department.

Every year the Joseph J. Byrne Memorial Scholarship is awarded to an outstanding student majoring in sociology.

The Robert Holzapfel Scholarship is awarded to a student majoring in sociology or counseling.

Sociology, B.A.

Degree Requirements	Units
General education (48, 3-7 in major)	41-45
Major Requirements	43
Electives	30-34
Total units needed for graduation	120

Major Requirements

In order to petition to declare the major, students must have a minimum overall GPA of 2.5 and have completed a sociology course with a minimum grade of C-. Students must complete SOCI 201 with minimum grade of C- before taking SOCI 300. Students must complete SOCI 201, SOCI 300, SOCI 375, and MATH 165/SOCI 301 (each with a minimum grade of C-), and 12 additional sociology units applicable toward the major requirements before taking SOCI 498. This is a minimum of 31 of the 43 units required for the major. Also, to be eligible to take SOCI 498, students must have filed to graduate in the semester in which they wish to take the course. Students must earn a minimum grade of C- or better in each of the six required core courses. See a faculty advisor in the department for details on these minimum grade requirements.

Required Core Courses

- SOCI 201 - Introduction to Sociology **Unit(s): 3**
- SOCI 300 - Sociological Research Methods **Unit(s): 4**
- SOCI 375 - Sociological Theory **Unit(s): 4**
- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- SOCI 301 - Statistics for Sociologists **Unit(s): 4**
- SOCI 498 - Senior Seminar **Unit(s): 4**

Units

Total core units: 21-24 SOCI Electives to reach minimum 43 units: 19-22 Total units in the Major: 43

Statistics Requirement

The statistics course requirement provides an opportunity for students to strengthen their quantitative data analysis abilities and to enhance related job skills. Majors must take one of the following courses or another course designated by a sociology advisor as meeting the statistics requirement.

- MATH 165 - Elementary Applied Statistics **Unit(s): 4**
- SOCI 301 - Statistics for Sociologists **Unit(s): 4**

Sociological Experience Requirement

The sociological experience requirement provides students with curricular opportunities to develop awareness of social issues, use sociological perspectives and methods to address social problems, engage with the community outside of the university, develop experiences that provide job skills, and enhance their knowledge about careers. Majors must take one of the following courses or another course designated as meeting the sociological experience requirement.

- SOCI 306 - Career Planning for Sociology Majors **Unit(s): 4**
- SOCI 336 - Investigative Sociology **Unit(s): 4**
- SOCI 460 - Social Work in the Social World **Unit(s): 4**
- SOCI 482 - Sociology of Environment **Unit(s): 4**
- SOCI 388 - Selected Topics in Service Learning **Unit(s): 4**
- SOCI 496 - Internship Practicum **Unit(s): 1**

Lower and Upper Division Units

Majors may apply up to 8 units of lower division coursework towards the requirements. Of these 8 units, no more than 4 units may be non-SSU transfer credit. Any lower division units used to meet the major's statistics requirement will not be included in either of these limits.

Sample Four-Year Program

Bachelor of Arts in Sociology

The following is a sample study plan only. The sequence and specific courses given are suggestive; please see an advisor each semester to plan your personal program.

Freshman Year: 30 Units

Fall Semester (15 Units)

- GE Area A1 Oral Communication Units: 3
- GE Area A2 Written Communication Units: 3
- GE Area B1 Physical Science Units: 3
- GE Area C1 Arts (3) Electives Units: 3

Spring Semester (15 Units)

- SOCI 201 - Introduction to Sociology **Unit(s): 3**
- GE Area A3 Critical Thinking
- GE Area B2 Life Science with Lab
- GE Area C2 Humanities
- GE Area D Social Science

Sophomore Year: 30 Units

Fall Semester (15 Units)

- GE B4 Math/Quant Reasoning Units: 3
- GE C Arts/Humanities Units: 3
- GE D American Institutions Units: 3
- GE E Integrated Person Units: 3
- Electives Units: 3

Spring Semester (15 Units)

- GE D American Institutions Units: 3
- Critical Race Studies Units: 3
- Electives Units: 3

Junior Year: 30 Units

Fall Semester (15 Units)

- SOCI 300 - Sociological Research Methods **Unit(s): 4**
- SOCI Elective
- Elective
- Elective

Spring Semester (15 Units)

- SOCI 375 - Sociological Theory **Unit(s): 4**
- SOCI Elective
- SOCI Elective
- Elective

Senior Year: 30 Units

Fall Semester (15 Units)

- SOCI 301 - Statistics for Sociologists **Unit(s): 4**
- SOCI Experience
- GE Upper Division B Scientific Inquiry/Quantitative Reasoning
- GE Upper Division D Social Sciences
- Elective

Spring Semester (15 Units)

- SOCI 498 - Senior Seminar **Unit(s): 4**
- SOCI Elective
- GE Upper Division Arts/Humanities
- Elective

Total Units: 120

Sociology, Minor

Minor Requirements

In order to petition to declare the minor, students must have a minimum overall GPA of 2.5 and have completed a sociology course with a minimum grade of C-.

Students must complete SOCI 201 with a minimum grade of C- for it to apply toward the minor requirements.

Minors may apply up to 8 units of lower division coursework towards the requirements. Of these 8 units, no more than 4 may be non-SSU transfer credit.

- SOCI 201 - Introduction to Sociology **Unit(s): 3**
- Elective courses in sociology chosen in consultation with an advisor **Unit(s): 16**

Units

Total units in the minor: 19

Women's and Gender Studies

Department Office
Stevenson Hall 3016
(707) 664-2840
www.sonoma.edu/wgs

Department Chair
Lena McQuade

Administrative Staff
Kimberly Kaido-Alvarez
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Faculty
Lena McQuade
Don Romesburg
Charlene Tung

Major in Women's and Gender Studies

A major in Women's and Gender Studies (WGS) enables students to explore the social, political, and cultural dimensions of gender and inequity. WGS is the study of how gender structures everything from our innermost sense of self to transnational circuits of society and economy. WGS uses an intersectional perspective, which means that we understand gender to be co-constituted with race, ethnicity, sexuality, nation, ability, and other forms of social power. We use an interdisciplinary approach that examines social structures, institutions, and ideologies of gender through social, historical, political, legal, and cultural lenses.

Emphasizing the connections between theory and practice, Women's and Gender Studies encourages applied learning through internships, service learning, cultural production, and research. The WGS Department's general education courses and lecture series produce campus-wide transformative consciousness, while our major courses further depth and engagement. WGS classes are places where students can strengthen critical awareness and build community. A major in WGS empowers students to understand and engage in building a more equitable world. An intersectional feminist analysis facilitates critical exploration of power, difference, and the production of knowledge. It also compels us to envision more just alternatives and commit to transformative action.

Careers in Women's and Gender Studies

Women's and Gender Studies graduates hold tools – knowledge of gender issues, critical thinking skills, and breadth of perspective – that public service organizations, private industry, government, and graduate schools want and need. The Women's and Gender Studies major or minor provides excellent preparation for students going into social work, counseling, teaching, public relations, public policy and management, advocacy work, human resources, and other fields. WGS graduates also pursue advanced degrees in social work, counseling, law, public policy, psychology, public health, education, history, sociology, WGS and other areas.

Queer Studies, Minor

The minor in Queer Studies gives students competency within a dynamic field of interdisciplinary scholarship related to lesbian, gay, bisexual, and transgender lives as well as gender and sexual structures and identities. It provides coursework in queer theory, politics, history, sociology, psychology, cultural criticism, and methodology. The queer studies minor will augment students' pursuit of graduate

and professional degrees. In a public- and private-sector job market with increasing demand for nuance in issues of diversity and critical flexibility, the minor will position graduates on the leading edge in many fields, including social work, counseling, education, healthcare, social service, media, policy, nonprofit advocacy, and social marketing.

Students will complete 18 units to fulfill the requirements for the Queer Studies Minor.

Minor Core Requirements (11-12 units)

- WGS 255 - Introduction to Queer Studies **Unit(s):** 3-4
- WGS 302 - Queer Studies Lecture Series **Unit(s):** 1
- WGS 305 - Lesbian, Gay, Bisexual, Transgender, and Queer U.S. History **Unit(s):** 3
- WGS 455 - Queer & Trans, Theory & Lives **Unit(s):** 4

Minor Electives

Two (or more) course related to LGBTQ and/or sexuality studies, in consultation with Queer Studies minor advisor. Below is a list of all SSU courses that students can consider for their 6-unit Queer Studies minor electives. Many of the courses without WGS course designation will have prerequisites and restrictions (such as "Psychology majors only" or "junior/senior standing") from home departments.

Minors seeking such courses must meet these requirements unless otherwise noted.

- WGS 285 - Men and Masculinity **Unit(s):** 3
- WGS 300 - Gender, Race and Representation **Unit(s):** 3
- WGS 302 - Queer Studies Lecture Series **Unit(s):** 1
- WGS 325 - Youth: Gender Perspectives **Unit(s):** 3-4
- WGS 335 - Reproductive Politics **Unit(s):** 4
- WGS 370 - Gender in Asian America **Unit(s):** 3-4
- WGS 405 - Psychology of Gender **Unit(s):** 4
- WGS 449 - Gender and Sexuality in Latin America **Unit(s):** 4
- HIST 449 - Gender and Sexuality in Latin America **Unit(s):** 4
- WGS 474 - Foundations of Feminist Thought **Unit(s):** 4
- WGS 475 - Contemporary Feminist Theory **Unit(s):** 4
- WGS 499 - Internship **Unit(s):** 1-4
- ANTH 302 - The Evolution of Males and Females **Unit(s):** 4
- ANTH 318 - Human Development in Evolutionary Perspective **Unit(s):** 3
- BIOL 311 - Sexually Transmitted Diseases **Unit(s):** 3
- HD 365 - Topics in Human Development: Gender and Sexuality **Unit(s):** 3-4
- KIN 316 - Women in Sport: Issues, Images, and Identities **Unit(s):** 3
- NURS 480 - Health, Sexuality, and Society **Unit(s):** 3
- NURS 490 - The Sexual Imperative: History, Media, Culture, and Imagination. **Unit(s):** 4
- PSY 362 - Human Sexuality **Unit(s):** 4
- SOCI 360 - Sociology of Sexualities **Unit(s):** 4
- SOCI 370 - Sociology of Transgender Studies **Unit(s):** 4

Other courses with advisor permission

** Offered infrequently

*** Many prerequisites and/or restrictions

**** Queer studies minors allowed w/ SOCI restrictions.

Units

Total core units: 12

Total supporting units: 6

Total units required in queer studies minor: 18

Women's and Gender Studies, B.A.

A major in Women's and Gender Studies (WGS) enables students to explore the social, political, and cultural dimensions of gender and inequity. WGS is the study of how gender structures everything from our innermost sense of self to transnational circuits of society and economy. WGS uses an intersectional perspective, which means that we understand gender to be co-constituted with race, ethnicity, sexuality, nation, ability, and other forms of social power. We use an interdisciplinary approach that examines social structures, institutions, and ideologies of gender through social, historical, political, legal, and cultural lenses.

Emphasizing the connections between theory and practice, Women's and Gender Studies encourages applied learning through internships, service learning, cultural production, and research. The WGS Department's general education courses and lecture series produce campus-wide transformative consciousness, while our major courses further depth and engagement. WGS classes are places where students can strengthen critical awareness and build community.

A major in WGS empowers students to understand and engage in building a more equitable world. An intersectional feminist analysis facilitates critical exploration of power, difference, and the production of knowledge. It also compels us to envision more just alternatives and commit to transformative action.

Core Requirements

- WGS 200 - Introduction to Women's and Gender Studies **Unit(s): 3**
- WGS 201 - Feminist Lecture Series **Unit(s): 1-4 OR**
- WGS 302 - Queer Studies Lecture Series **Unit(s): 1**

- WGS 375 - Gender, Race, and Class **Unit(s): 3**
- WGS 385 - Transnational Feminisms **Unit(s): 3-4 (4 Unit(s) Required)**
- WGS 398 - Careers in Women's and Gender Studies **Unit(s): 1**
- WGS 425 - Feminist Research Methodology **Unit(s): 3-4 (4 Unit(s) Required)**

- WGS 474 - Foundations of Feminist Thought **Unit(s): 4 OR**

- WGS 475 - Contemporary Feminist Theory **Unit(s): 4**
- WGS 485 - Senior Seminar **Unit(s): 4**
- WGS 499 - Internship **Unit(s): 1-4** (3 Unit(s) Required)

Pathways

WGS students will choose to specialize in one of the following two pathways: 1) Community/Clinical or, 2) Cultural/Critical

1) Community/Clinical: Students interested in community organizing, social work, health care, education, and/or counseling will consider this pathway. Courses emphasize community and identity development, social transformation and justice movements, institutions and organizations, bodies and health, and service learning.

or

2) Cultural/Critical: Students interested in the arts and art activism, cultural work and activism, education, and/or advanced degrees in humanities, critical social sciences, or law will consider this pathway. Courses emphasize critical theories, pedagogies, ideologies and structures, and cultural production, representation, and activism. The listed courses are eligible toward each pathway. Students are encouraged to consult with their faculty advisor and the department chair to request approval for unlisted courses to count towards their pathway. Many courses without WGS course designation have home department prerequisites and restrictions. WGS majors seeking to register in such courses must meet these requirements. If WGS majors wish to fulfill their pathway largely with another department's courses, they are encouraged to double major or minor.

- Community/ Clinical Pathway
- Cultural/Critical Pathway

Elective(s)

Additional WGS courses or recognized courses in other departments.

Units

Total Core Units: 27

Total pathway units: 12

Total Elective(s) Units: 4

Total units necessary for major: 43

Sample Four-Year Plan

Women's and Gender Studies, B.A., Community/Clinical Pathway

Plan to complete the major (43 units) and graduate (120 units) in eight semesters starting in the first year. This major is organized to facilitate a double major or minor in some other disciplines. Hence up to 16 units of the major can potentially be counted toward the double major (e.g., all the career/affinity pathway and possibly the elective requirement can be counted for both majors).

Freshman Year: 30-32 Units

Fall Semester (15-16 Units)

- WGS 200 - Introduction to Women's and Gender Studies **Unit(s): 3**
- GE
- GE
- GE

Spring Semester (15-16 Units)

- GE
- GE
- GE
- GE
- GE

Sophomore Year: 31-32 Units

Fall Semester (16 Units)

Spring Semester (15-16 Units)

- GE
- GE
- Electives
- WGS 398 - Careers in Women's and Gender Studies **Unit(s): 1**
- WGS 499 - Internship **Unit(s): 1-4** (1 Unit(s) Required)

Junior Year: 31 Units

Fall Semester (15 Units)

- WGS 375 - Gender, Race, and Class **Unit(s): 3**
- WGS 385 - Transnational Feminisms **Unit(s): 3-4** (4 Unit(s) Required)
- Upper-Division Pathway Course
- Upper Division Pathway Course

Spring Semester (16 Units)

- WGS 474 - Foundations of Feminist Thought **Unit(s): 4**
- WGS 499 - Internship **Unit(s): 1-4 (2 Unit(s) Required)**
- WGS 300 - Gender, Race and Representation **Unit(s): 3**
- Upper-Division GE
- Elective

Senior Year: 26-28 Units

Fall Semester (13-14 Units)

- WGS 425 - Feminist Research Methodology **Unit(s): 3-4 (4 Unit(s) Required)**
- Electives

Spring Semester (13 -14Units)

- WGS 485 - Senior Seminar **Unit(s): 4**
- Any SSU Electives

Total Units: 120

Sample Four-Year Plan

Women's and Gender Studies, B.A., (Transfer Students and Upperclassman Entry to Program)

Plan for transfer students and those who declare a major in women's and gender studies at the start of their junior year. (This plan assumes the student has completed 62 units toward graduation and all lower-division GE.) This plan is organized to facilitate a minor in another discipline.

Junior Year: 30 Units

Fall Semester (14 Units)

- WGS 350
- WGS Elective
- Gender Course in Concentration
- Course in Concentration

Spring Semester (16 Units)

- WGS 375 - Gender, Race, and Class **Unit(s): 3**
- WGS 390 - Gender and Work **Unit(s): 4**
- WGS 499 - Internship **Unit(s): 1-4 (2 Unit(s) Required)**
- Disciplinary Course

- Upper-Division GE

Senior Year: 30-32 Units

Fall Semester (16 Units)

- WGS 425 - Feminist Research Methodology **Unit(s): 3-4**
- WGS 475 - Contemporary Feminist Theory **Unit(s): 4**
- Disciplinary Course
- Course to Complete Minor

Spring Semester (15 Units)

- WGS 485 - Senior Seminar **Unit(s): 4**
- WGS 499 - Internship **Unit(s): 1-4** (2 Unit(s) Required)
- WGS Elective
- Upper-Division GE
- Elective

Total Units: 120

Women's and Gender Studies, Minor

A minor in Women's and Gender Studies (WGS) enables students to explore the social, political, and cultural dimensions of gender and inequity. WGS is the study of how gender structures everything from our innermost sense of self to transnational circuits of society and economy. WGS uses an intersectional perspective, which means that we understand gender to be co-constituted with race, ethnicity, sexuality, nation, ability, and other forms of social power. We use an interdisciplinary approach that examines social structures, institutions, and ideologies of gender through social, historical, political, legal, and cultural lenses.

Minor Core Requirements (10-11 units)

- WGS 200 - Introduction to Women's and Gender Studies **Unit(s): 3**
- WGS 375 - Gender, Race, and Class **Unit(s): 3**
- WGS 474 - Foundations of Feminist Thought **Unit(s): 4 OR**
- WGS 475 - Contemporary Feminist Theory **Unit(s): 4**

Minor Supporting Courses

At least two courses from at least two of the following categories for a total of 6 or more units. Many courses without WGS course designation will have prerequisites and restrictions from their home departments. Minors must meet these requirements.

Women & Gender in US Society

- WGS 285 - Men and Masculinity **Unit(s): 3**
- WGS 305 - Lesbian, Gay, Bisexual, Transgender, and Queer U.S. History **Unit(s): 3**
- WGS 325 - Youth: Gender Perspectives **Unit(s): 3-4 (4 Unit(s) Required)**
- WGS 370 - Gender in Asian America **Unit(s): 3-4 (4 Unit(s) Required)**
- WGS 390 - Gender and Work **Unit(s): 4**

- WGS 420 - Gender and Ethnicity **Unit(s): 4 OR**
- AMCS 420 - Gender and Ethnicity **Unit(s): 4**

- WGS 430 - Women and Crime **Unit(s): 4 OR**
- CCJS 430 - Women and Crime **Unit(s): 4**

- WGS 440 - Sociology of Reproduction **Unit(s): 4 OR**
- SOCI 440 - Sociology of Reproduction **Unit(s): 4**

- WGS 398 - Careers in Women's and Gender Studies **Unit(s): 1**
- ANTH 302 - The Evolution of Males and Females **Unit(s): 4**
- CALS 442 - Race, Class, and Gender Among Latinos **Unit(s): 4**
- CALS 405 - The Chicano/Latino Family **Unit(s): 3-4**
- EDEC 270 - Families and Children in Diverse Societies **Unit(s): 4 *****

- SOCI 319 - Aging and Society **Unit(s): 4 *****

- HIST 445 - Topics in American Women's History **Unit(s): 4**
- HIST 446 - Women in American History **Unit(s): 4**
- SOCI 312 - Sociology of Gender **Unit(s): 4**
- SOCI 345 - Sociology of Families **Unit(s): 4 *****
- SOCI 360 - Sociology of Sexualities **Unit(s): 4**
- SOCI 370 - Sociology of Transgender Studies **Unit(s): 4**

Women & Gender in the Humanities

- WGS 255 - Introduction to Queer Studies **Unit(s): 3-4 (4 Unit(s) Required)**
- WGS 300 - Gender, Race and Representation **Unit(s): 3**

- WGS 360 - Race, Gender, and Performance **Unit(s): 3 OR**
- WGS 451 - Feminist Perspectives in Literature **Unit(s): 4 OR**
- ENGL 451 - Feminist Perspectives in Literature **Unit(s): 4**

- WGS 455 - Queer & Trans, Theory & Lives **Unit(s): 4**

- WGS 474 - Foundations of Feminist Thought **Unit(s): 4 OR**
- WGS 475 - Contemporary Feminist Theory **Unit(s): 4 (additional to core theory course)**

- ENGL 345 - Women Writers **Unit(s): 4 ****

Biological/Psychological Perspectives

- WGS 405 - Psychology of Gender **Unit(s): 4 OR**
- PSY 405 - The Psychology of Gender **Unit(s): 4**
- ANTH 318 - Human Development in Evolutionary Perspective **Unit(s): 3**
- BIOL 220 - Human Anatomy **Unit(s): 4 *****
- BIOL 224 - Human Physiology **Unit(s): 4 *****
- BIOL 311 - Sexually Transmitted Diseases **Unit(s): 3 ****
- NURS 490 - The Sexual Imperative: History, Media, Culture, and Imagination. **Unit(s): 4 *****

Transnational Perspectives on Gender

- WGS 335 - Reproductive Politics **Unit(s): 4**
- WGS 385 - Transnational Feminisms **Unit(s): 3-4 (4 Unit(s) Required)**
- WGS 449 - Gender and Sexuality in Latin America **Unit(s): 4 OR**
- HIST 449 - Gender and Sexuality in Latin America **Unit(s): 4**
- HIST 414 - Gender and Society in Early Modern Europe **Unit(s): 4**

Special Topics in Women & Gender

- WGS 302 - Queer Studies Lecture Series **Unit(s): 1**
- WGS 311 - Special Topics in Women and Gender Studies **Unit(s): 1-4**
- WGS 499 - Internship **Unit(s): 1-4**
- HD 365 - Topics in Human Development: Gender and Sexuality **Unit(s): 3-4 *****
- KIN 316 - Women in Sport: Issues, Images, and Identities **Unit(s): 3 ****
- NURS 303 - Maternity & Women's Health Care **Unit(s): 6 *****
- NURS 480 - Health, Sexuality, and Society **Unit(s): 3**
- POLS 313 - Critical Theory: Race and Gender **Unit(s): 4**
- POLS 391 - Gender and Politics **Unit(s): 4**
- PSY 328 - Multicultural Psychology **Unit(s): 4 *****
- PSY 362 - Human Sexuality **Unit(s): 4 *****
- PSY 418 - The Psychology of Family **Unit(s): 3-4 *****

Other courses with advisor permission

** Offered infrequently

*** Many prerequisites and/or restrictions; may be impossible to get into without double majoring/minoring in that department. Discuss with WGS advisor.

Units

Total Core Requirements: 10

Total supporting units 6

Total units in the WGS minor 16

University Studies

University Studies is designed to provide students with academic and transitional support. Through University Studies courses, new members of the Sonoma State community are welcomed to campus with introductions to campus resources, mentoring opportunities, and tools for academic success. Students develop their personal, academic, and career goals and cultivate a sense of responsibility to themselves and the world around them. Together with co-curricular activities these learning experiences lay a strong foundation for lifelong personal and intellectual growth.

Interdisciplinary Studies

Interdisciplinary Studies Programs provide students degree opportunities to explore current issues or topics of interest by combining coursework and experiences across disciplines in a manner not served by traditional degree programs. The purpose of each special major and graduate major varies according to the combination of disciplines, perspectives, and skills selected to meet students' needs to prepare for the rapidly changing expectations in today's world. Undergraduate students interested in an interdisciplinary program can pursue a bachelor's degree in a faculty designed special major or special minor. Interested students should read more about the special major that interests them on the pages that follow, and contact the coordinator listed for that program with any questions. Qualified students interested in a graduate major in interdisciplinary studies must contact a graduate coordinator in a graduate program that fits within your area of interest to begin the development of a proposed course of study.

Requirements for each special major are listed under that section in the following pages along with the contact information for the coordinator. The prerequisite for all special majors is a 2.0 cumulative grade point average.

An ITDS Special Major consists of a minimum of 40 units, with a minimum of 18 units in the special major in upper division courses.

A complete change of major form, signed by the special major coordinator, is submitted to the ITDS programs office for review and final approval.

Bachelor of Arts in the Special Major: German Cultural Studies

Coordinator

Michaela Grobbel
email: grobbel@sonoma.edu

The special major in German Cultural Studies offers students an interdisciplinary B.A. that incorporates language courses required for the German minor plus courses in other disciplines. It enriches students' academic and career opportunities by providing them with important skills to find employment in our increasingly interconnected world. The special major prepares students for international or cross-cultural careers in the USA or abroad that require a basic knowledge of the German language, history and culture as well as skills in cross-cultural communication. Recognizing the increasing interconnections

in our global world, and Germany as one of the key players within the EU and in the international arena, the B.A. program prepares students for graduate school and careers in a field of their interest. Please review the Sample Four-Year-Plans that suggest two different pathways: "**Track A**" offers a pathway for students who study abroad for one year, and "**Track B**" suggests a pathway for students who do not study abroad.

Requirements for the Special Major

As part of the major core requirements, students must complete an internship in the U.S. or abroad, and a senior project. Additionally, students must pass the "Goethe-Zertifikat B1"-Proficiency Examination, the internationally recognized language certificate offered annually at SSU under the auspices of the Goethe Institute.

Degree Requirements	Units
General Education (50, 12 in major)	38
Major Core Courses (12 in GE)	42
Major Elective Courses	21
General Electives	19
Total units needed for graduation	120

Note: Courses in the major must be taken for a letter grade, except for courses that are offered Cr/NC only. Students must earn a C- or higher grade in all courses applied to the major.

Prerequisite

- GER 101 - First Semester - The Personal World **Unit(s): 4**

Major Core Courses

(required)

- GER 102 - Second Semester - Contemporary Germany **Unit(s): 4**
- GER 200 - Intermediate German: The German-Speaking World Today **Unit(s): 4**
- GER 210 - Intermediate German through Film **Unit(s): 4**
- GER 314 - Love and Desire in German Literature **Unit(s): 4**
- GER 315 - German Language and Literature **Unit(s): 1**
- GER 300 - Advanced German Studies **Unit(s): 4**
- GER 499 - Internship **Unit(s): 1-4** (2 Unit(s) Required)
- GER 495 - Special Studies **Unit(s): 1-4** (4 Unit(s) Required)
- HIST 415 - Eastern Europe, 1815-1918 **Unit(s): 4 OR**
- HIST 416 - Eastern Europe, 1918-1989 **Unit(s): 4 OR**
- HIST 418 - Fall of European Communism **Unit(s): 4**
- POLS 307 - Perspectives on the Holocaust and Genocide **Unit(s): 4**
- POLS 350 - European Parliamentary Democracies **Unit(s): 4**

- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s): 3-4**

Major Electives

Select from these courses (21 units):

*** Only applied to special major if composers/philosophers from the German-Speaking world are taught**

- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**
- ANTH 203 - Introduction to Cultural Anthropology **Unit(s): 3**
- ANTH 480 - Studies of Language Use **Unit(s): 4**
- ANTH 380 - Language, Culture, and Society **Unit(s): 4**
- ANTH 382 - Language Change **Unit(s): 4**
- ARTH 466 - Contemporary Art **Unit(s): 3-4**
- BUS 391 - Cross-cultural Communication and Negotiation **Unit(s): 4**
- BUS 393 - Introduction to International Business **Unit(s): 4**
- COMS 321 - International Communication **Unit(s): 4**
- ECON 204 - Introduction to Macroeconomics **Unit(s): 4**
- ECON 303 - International Economics **Unit(s): 4**
- ECON 313 - Economics of European Integration **Unit(s): 4**
- ENGL 341 - Explorations in Language **Unit(s): 4**
- ENGL 343 - Youth and Literature **Unit(s): 4**
- ENGL 379 - Structure of English: Pedagogical Grammar **Unit(s): 4**
- ENGL 491 - Seminar in Teaching Composition **Unit(s): 4**
- ENGL 492 - Reading and Responding to Literature **Unit(s): 4**
- GEP 320 - Geopolitics **Unit(s): 4**
- HIST 202 - Development of the Modern World **Unit(s): 3**
- HIST 380 - Twentieth Century World **Unit(s): 3**
- HIST 401 - The Roman Empire **Unit(s): 4**
- HIST 406 - The Crusades **Unit(s): 4**
- HIST 408 - Late Antiquity and the Early Middle Ages in Europe, 300-1000 **Unit(s): 4**
- HIST 409 - The High Middle Ages **Unit(s): 4**
- HIST 410 - Early Modern Europe, 1350-1789 **Unit(s): 4**
- HIST 412 - Europe Since 1914 **Unit(s): 4**
- MUS 250 - Survey of European Music **Unit(s): 3**
- MUS 251 - History of Western Music, Ancient World to 1750 **Unit(s): 3**
- MUS 310 - Theory III: Form and Analysis **Unit(s): 3**
- MUS 316 - Diction - French and German **Unit(s): 1-2**
- MUS 325 - Symphonic Chorus **Unit(s): 1-2**
- MUS 424 - Theory IV: 20th Century Techniques **Unit(s): 3**
- MUS 343 - Studies in Musical Genres **Unit(s): 3 ***
- MUS 344 - Studies-Specific Composers **Unit(s): 3 ***
- MUS 351 - History of Western Music, 1750-present **Unit(s): 3**
- PHIL 207 - Philosophical Movements **Unit(s): 4 ***
- PHIL 303 - Social and Political Philosophy **Unit(s): 3 ***
- PHIL 307 - Philosophical Figures **Unit(s): 4 ***

- POLS 352 - Politics of Eastern Europe **Unit(s): 4**
- SOCI 375 - Sociological Theory **Unit(s): 4**
- THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present **Unit(s): 4**
- THAR 320A - Shakespeare I: Verse Scansion & Paraphrase **Unit(s): 2**
- THAR 420A - Approaches to Anti-Realism **Unit(s): 2**

Sample Four-Year Program

German Cultural Studies, B.A., Track A

Studies at SSU, Including study in a German-Speaking Country

Freshman Year: 30 Units

Fall Semester (15 Units)

- GER 101 - First Semester - The Personal World **Unit(s): 4**
- MLL 161A - Behind the Scenes: Global Perspectives through Film **Unit(s): 2**
- GE Area B1: Physical Science
- GE Area A2: Written Communication
- General Elective

Spring Semester (15 Units)

- MLL 161B - Behind the Scenes: Global Perspectives through Film **Unit(s): 2**
- GER 102 - Second Semester - Contemporary Germany **Unit(s): 4**
- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**
- GE Area B4: Mathematics/Quantitative Reasoning
- General Elective

Sophomore Year: 30 Units

Fall Semester (16 Units)

- GER 200 - Intermediate German: The German-Speaking World Today **Unit(s): 4**
- GE Area B2: Life Science
- GE Area B3: Laboratory Activity
- Major Elective
- Elective
- GE Area D: Social Science

Spring Semester (14 Units)

- GER 210 - Intermediate German through Film **Unit(s): 4**

- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s):** 3-4
- GE
- GE Area D: Social Science
- Elective

Junior Year: 30 Units

Fall and Spring Abroad:

Intermediate German Language Courses: 6 units at 200 level (or higher) Upper-Division German Language Courses: 8 units at 300 level and higher German Culture/History (in German): 6 units at 200 level and higher German Literature (in German): 4 units at 200 level and higher

(counts for major core requirement & GE C2)

Other courses: 6 units (e.g. courses for major electives or covering GE)

Note: Courses taken abroad may count for major core courses (up to 8 units) and major elective courses (up to 14-15 units).

Senior Year: 30 Units

Fall Semester (15 Units)

- GER 499 - Internship **Unit(s):** 1-4 (2 Unit(s) Required)
- General Elective
- Major Elective
- GE
- GE

Spring Semester (15 Units)

- GER 300 - Advanced German Studies **Unit(s):** 4
- GER 495 - Special Studies **Unit(s):** 1-4 (4 Unit(s) Required)
- Major Elective
- GE Area D: Social Science

Total Units: 120

(Including 50 units in General Education, 42 units of Major Core Courses, 21 units of Major Elective Courses, and 19 units of General Elective Courses)

German Cultural Studies, B.A., Track B

Studies at SSU

Freshman Year: 30 Units

Fall Semester (15 Units)

- MLL 161A - Behind the Scenes: Global Perspectives through Film **Unit(s): 2** (GER 101)
- MLL 161A - Behind the Scenes: Global Perspectives through Film **Unit(s): 2** (GE)
- GE
- GE
- General Elective

Spring Semester (15 Units)

- MLL 161B - Behind the Scenes: Global Perspectives through Film **Unit(s): 2** (GE)
- GER 102 - Second Semester - Contemporary Germany **Unit(s): 4**
- ANTH 200 - Introduction to Linguistic Anthropology **Unit(s): 3**
- GE
- General Elective

Sophomore Year: 30 Units

Fall Semester (15-16 Units)

- GER 200 - Intermediate German: The German-Speaking World Today **Unit(s): 4**
- GE
- GE
- Major Elective

Spring Semester (14-15 Units)

- GER 210 - Intermediate German through Film **Unit(s): 4**
- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s): 3-4**
- GE B3
- GE D3

Junior Year: 30-31 Units

Fall Semester (15-16 Units)

- GER 314 - Love and Desire in German Literature **Unit(s): 4**
- GER 315 - German Language and Literature **Unit(s): 1**
- ARTH 464 - Avant-Gardes of the Early 20th Century **Unit(s): 3-4**
- GE
- HIST 418 - Fall of European Communism **Unit(s): 4**

Spring Semester (15 Units)

- GER 300 - Advanced German Studies **Unit(s): 4**
- POLS 307 - Perspectives on the Holocaust and Genocide **Unit(s): 4**
- GE
- POLS 350 - European Parliamentary Democracies **Unit(s): 4**

Senior Year: 30 Units

Fall Semester (14-15 Units)

- GER 499 - Internship **Unit(s): 1-4** (2 Unit(s) Required)
- General Elective
- Major Elective
- GE
- GE

Spring Semester (15 Units)

- GER 300 - Advanced German Studies **Unit(s): 4**
- GER 495 - Special Studies **Unit(s): 1-4** (4 Unit(s) Required)
- Major Elective
- GE

Total Units: 120

(Including 50 units in General Education, 42 units of Major Core Courses, 21 units of Major Elective Courses, and 19 units of General Elective Courses)

Interdisciplinary Studies, M.A./M.S.

Degree Requirements	Units
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Major requirements	30
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Total units needed for graduation 30

Requirements for the M.A. or M.S. in Interdisciplinary Studies

Prerequisites to Application

- A grade point average of at least 3.00 for the last 60 units of college work attempted; and
- Submission of completed Application to Interdisciplinary Studies (ITDS) (available from Graduate Studies Office.)

Prerequisite to Acceptance

- Acceptance by the Graduate Studies Subcommittee of Application to Interdisciplinary Studies (ITDS), complete with signatures of at least 2 members of your ITDS graduate advisory committee.
- Admission to the University in classified graduate status; and
- The candidate for this degree must comply with the normal regulations governing graduate study at Sonoma State as described in this catalog.

Course Requirements

General course and unit requirements:

- The master's in interdisciplinary studies consists of a minimum of 30 units in two or more disciplines.
- At least 20 units must be graded (A-F); the remainder (up to one-third of the total number of units of the major) may be taken in a nontraditional grading mode. (In order to receive a Credit (Cr) grade in a graduate level class, the student must earn the equivalent of B- or better.)
- At least 21 semester units shall be completed in residence.
- At least 60% of the units shall be in graduate (500-level) courses. The remaining units may be in 300- or 400-level courses.
- Your program must include courses from at least two academic departments.
- Include a minimum of one graduate research methods course and one graduate level seminar.
- Six units are allowed for the thesis or culminating project (ITDS 599A ; ITDS 599B)

For detailed guidelines and the application form for the master's degree in interdisciplinary studies, please contact the SSU Graduate Studies Office.

ITDS Courses

- ITDS 498 - Internship **Unit(s):** 1-4
- ITDS 499 - Senior Project **Unit(s):** 3
- ITDS 578 - Project Continuation **Unit(s):** 1-3

Units

Major requirements: 30 Units

Total units needed for graduation: 30 Units

Interdisciplinary Studies, Special Minor

The special minor has the following features and requirements:

1. The minor consists of a minimum of 18 units of coursework from two or more departments;
2. A minimum of 6 units in the minor must be in upper-division course work; and

3. A special minor must have the same coherence and academic integrity as are demanded of a special major.

Course Descriptions

American Multicultural Studies

AMCS 125 - Multicultural Conversations: Listening, Speaking, and Presentation

Unit(s): 3 This course is designed to teach students to develop the verbal and non-verbal skills required to give compelling oral presentations based on their own research and composition, as well as the active listening skills necessary to hear another's oral communication. Emphasis will be placed on the racial and ethnic experiences of lives in the United States.

GE Category: Satisfies GE Area(s): A1 - Oral Communication, A2 - Written Communication

Typically Offered Fall & Spring

Grading: Graded

AMCS 165A - Humanities Learning Community

Unit(s): 4 AMCS 165A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas, and fulfills GE Ethnic Studies. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

AMCS 165B - Humanities Learning Community

Unit(s): 4 AMCS 165A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): AMCS 165A

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas, and fulfills GE Ethnic Studies. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

AMCS 200 - Written and Oral Analysis

Unit(s): 3 Students practice the techniques of critical reading and thinking, of expository writing, and of oral expression through an in-depth examination of race, ethnicity, and multiculturalism and its impact on American cultural, political, and social institutions. They examine the principles of thinking, speaking, and writing with a view to the multiple purposes for which these activities are crucial. Students who received a passing grade in AMCS 225 may not enroll in AMCS 200 without instructor consent.

Prerequisite(s): Course Prerequisite: ENGL 101 or ENGL 100B or A2 Transfer Credit Course or A2 Transfer Test or LIBS 101 or UNIV 150B and PHIL 101 or 102 or A3 Transfer Credit Course or A3 Transfer Credit Test or LIBS 102 or UNIV 150B required.

GE Category: Satisfies GE Area A1.

Typically Offered Variable Intermittently

Grading: OPT

AMCS 210 - Ethnic Groups in America

Unit(s): 4 Survey and analysis of the diverse experiences of major ethnic groups in their present socioeconomic and political position in American society as depicted in literary, historical, anthropological, and sociological studies.

GE Category: Satisfies Ethnic Studies in GE Area D1. This course satisfies one of the core requirements of the AMCS major.

Typically Offered Fall & Spring

Grading: OPT

AMCS 225 - How Racism Works: America in Black and White

Unit(s): 4 Students analyze the ideological aspects and material conditions of American life through an in-depth examination of the impact of race and ethnicity on U.S. history and its cultural, political, and social institutions. The course will concentrate particularly on investigating how racism works in the 21st century through the study of literature and values. Students who received a passing grade in AMCS 200 may not enroll in AMCS 225 without instructor consent.

GE Category: Satisfies GE Area C2 and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Grading: GRD

AMCS 260 - Ethnicity in the Arts, Culture, and Media

Unit(s): 4 Students will explore the impact that the arts, media, and humanities have had on perceptions of race, ethnicity, and identity in the United States. The course will integrate a wide variety of forms -- including film, theater, and music -- to encourage student appreciation of artistic endeavors.

GE Category: Satisfies GE Area C1 and the Ethnic Studies requirement.

Typically Offered Spring Only

Grading: GRD

AMCS 273 - American Diversity: Past, Present, Future

Unit(s): 4 This course explores the relationships between race, ethnicity, and identity through close readings of social, historical, and cultural texts. At the heart of the course is an exploration of how race and ethnicity have impacted collective understandings of this nation's morals and values. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2.

Typically Offered Fall & Spring

Grading: GRD

AMCS 301 - Africana Lecture Series

Unit(s): 1 A weekly lecture series offering presentations and discussions that focus on historical and contemporary topics relating to people of African descent. This includes, but is not limited to, African Americans, Continental Africans, Afro-Caribbeans, and Afro-Latinos. This lecture series is in honor of Dr. LeVell Holmes and his contributions to the Sonoma State University community. Lectures are open to the community.

Typically Offered Spring Alternate Years **May Be Repeated** May be repeated for credit.

Grading: CNC

AMCS 339 - Ethnic Groups and American Social Policy

Unit(s): 3 The impact of American social policies on ethnic minorities. Topics include public policy issues related to employment, immigration, education, mental health, and minority children and families. The impact of major court decisions affecting public policy and ethnic minorities will also be examined. Course might be taught from single ethnic group's perspectives.

Prerequisite(s): Notice: To receive upper-division GE credit the course must not be taken prior to the term you achieve Junior standing (60 units).

GE Category: Satisfies upper-division Ethnic Studies in GE Area D1.

Typically Offered Variable Intermittently

Grading: OPT

AMCS 350 - Ethics, Values, and Multiculturalism

Unit(s): 4 This course examines theories and discourses of race, ethnicity, and multiculturalism and their impact on American thought and practice. Students will explore questions of ethics and values that shape the U.S. as a multicultural society and learn about conceptual tools they can apply in thinking critically about these issues in the various contexts they live in. This course can be taught in on-line or hybrid modes during the summer and/or intersession only.

Prerequisite(s): Notice: To receive upper-division GE credit the course must not be taken prior to the term you achieve Junior standing (60 units).

GE Category: Satisfies GE Area C2, and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Teaching Mode: This course can be taught in on-line or hybrid modes during the summer and/or intersession only.

Grading: OPT

AMCS 355 - Language and Ethnicity

Unit(s): 4 An interdisciplinary approach to understanding the interrelationships between language, ethnicity, and the symbolic conflicts over language issues in the U.S.. Explores the politics of language -- e.g. the English-Only debates, bilingual education issues, and minority language rights and cultural issues -- and their impact on different ethnic groups. Examines the responses of affected groups through their literary and creative expressions.

Prerequisite(s): Notice: To receive upper-division GE credit the course must not be taken prior to the term you achieve Junior standing (60 units).

GE Category: Satisfies the Ethnic Studies requirement and GE Area C3.

Typically Offered Variable Intermittently

Grading: GRD

AMCS 360 - Ethnic Literature

Unit(s): 4 A survey of representative novels, short stories, essays, biographies, and poetry of various ethnic authors

in the United States. This course may also provide an in-depth study of one or more specific ethnicities (e.g. Asian American, African American, the poetic tradition in ethnic literature, women in ethnic literature, etc.) and may include multimedia instruction such as film, music, and visual art. Taught in face-to-face, hybrid or online modes.

Prerequisite(s): Notice: To receive upper-division GE credit the course must not be taken prior to the term you achieve Junior standing (60 units).

GE Category: Satisfies GE Area C2. Satisfies the upper-division Ethnic Studies requirement.

Typically Offered Fall Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

AMCS 370 - Gender in Asian America

Unit(s): 4 This course originates in WGS 370. This interdisciplinary course examines gender, race, class, and sexuality in Asian America. We consider how Asian American women and men fit into debates about sexism and racism in the United States - historically and contemporarily. Topics include Asian American participation in women's/civil right movements as well as popular culture representations.

Crosslisted: WGS 370

Typically Offered Variable Intermittently

Grading: OPT

AMCS 374 - The Multiracial Experience

Unit(s): 4 A general survey of the historical and contemporary experience of people claiming more than one racial or ethnic background. Emphasis will be given to inter-racial relations, the impact of political and social factors, and the cultural expressions of the multiracial experience.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 377 - Asian American Experience

Unit(s): 4 A course designed to explore areas of contemporary, historical, or artistic concern as these affect the Asian American experience. Advanced studies and/or research projects will be discussed and analyzed.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 381 - Research Assistantship

Unit(s): 2-4 Student assistance to help faculty with research on the experiences of people of color in America. Topic matter and research agenda will be discussed with faculty. By individual arrangement with faculty sponsor.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 385 - Facilitation Training

Unit(s): 2-4 Facilitation pedagogy training in active learning situations within established courses.

Prerequisite(s): junior- or senior-level standing with satisfactory completion of either AMCS 210 or 255. By individual arrangement with instructor.

Typically Offered Not Recently Offered **May Be Repeated** Can be repeated up to 3 times for a total of 12 units.

Grading: OPT

AMCS 390 - SFI Film Study

Unit(s): 1-2 Students enrolled in this course will attend Sonoma Film Institute (SFI) screenings. Students are also required to complete weekly reading assignments and submit a written film analysis incorporating these readings following each screening. Students will earn 1 unit of credit for every 6 film screenings attended.

Crosslisted: LIBS 390 Students may not enroll in AMCS 390 and LIBS 390 concurrently

GE Category: Satisfies GE, category C1.

Typically Offered Fall & Spring **May Be Repeated** Repeatable for up to 4 units.

Teaching Mode: Online **Grading:** CNC

AMCS 392 - Ethnic Images in Film and Media

Unit(s): 4 An examination of representative and significant works in film and other visual media tracing the evolution of racial and ethnic images from their earliest to latest manifestations. Examines how systems of representation shape the racial and ethnic discourses in U.S. society.

Prerequisite(s): Notice: To receive upper-division GE credit the course must not be taken prior to the term you achieve Junior standing (60 units).

GE Category: Satisfies GE Area C1 and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

AMCS 395 - Community Involvement Program

Unit(s): 1-4 Course provides students with practical experience in various community organizations and health and social service agencies and educational settings. Includes schools, recreation programs, tutoring programs, day care centers, cultural arts organizations, civic promotion organizations, etc. A total of six units of CIP can be counted towards a degree.

Typically Offered Fall & Spring

Grading: CNC

AMCS 399 - Student-Initiated Course

Unit(s): 1-4 Student-initiated and instructed course on topics that enrich or extend current departmental offerings. Students may take up to 4 units of AMCS 399 courses for major credit.

Typically Offered Not Recently Offered

Grading: GRD

AMCS 420 - Gender and Ethnicity

Unit(s): 4 A historical overview of racism and sexism as they affect women of color, focusing on issues in which racism and sexism intersect, e.g. affirmative action, abortion, sterilization, violence against women, and other issues.

Crosslisted: WGS 420

Typically Offered Not Recently Offered

Grading: OPT

AMCS 445 - Multi-Culturalism and Education

Unit(s): 4 An analysis of the philosophical and definition issues related to pluralistic education; developing resources germane to this philosophy and the guidelines constituting the foundation for multiethnic educational programs and ethnic studies.

Typically Offered Spring Alternate Years

Grading: OPT

AMCS 475 - Globalization and Race in the United States

Unit(s): 4 The United States, as one of the destination countries of diasporic peoples in this era of globalization, has often responded to the crises of globalization through racialization. This course emphasizes the importance of understanding this crisis and explores the possibilities of creating anti-racist strategies and new social movements.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 476 - Selected Topics in African American Studies

Unit(s): 4 Subjects will vary by semester, but this course will concentrate on topics and periods in African American History. Students will be required to do a research project in this course. Students will also be asked to review primary documents in African American history. Topics subject to change.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 480 - Research and Methodology

Unit(s): 4 Survey of research and methodological tools used in the study of American ethnic groups. Special attention is given to the problems of objectivity and bias and the political and moral implications of quantitative and field research. Students engage in semester-long research projects. Students can substitute CALS 458 - CALS Research and Methodology for this course.

Typically Offered Spring Only

Grading: OPT

AMCS 481 - Special Topics

Unit(s): 1-4 Please refer to the current Schedule of Classes.

Typically Offered Not Recently Offered

Grading: OPT

AMCS 495 - Special Studies

Unit(s): 1-4 Independent study.

Prerequisite(s): AMCS 210 or 255, a core upper-division course, approval of the supervising faculty member, and approval of the department chair.

Typically Offered Not Recently Offered **May Be**

Repeated May be repeated for credit up to 8 units.
Grading: OPT

AMCS 499 - Service Learning Internship

Unit(s): 1-4 Course provides students with practical experience in various ethnic community organizations and in health/social service/educational settings. Includes recreation programs, tutoring programs, day care centers, cultural arts organizations, civic promotion organizations, etc.

Typically Offered Not Recently Offered
Grading: OPT

Anthropology

ANTH 200 - Introduction to Linguistic Anthropology

Unit(s): 3 This introduction to the anthropological study of language surveys core topics in linguistics (e.g., phonetics, morphology, syntax, semantics, and pragmatics) and the relationship of language to social, cultural, and psychological factors. Nonverbal communication, evolution of language abilities, and historical linguistics are included, with linkages to the other subfields of anthropology.

GE Category: Satisfies GE Area D5.
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

ANTH 201 - Introduction to Biological Anthropology

Unit(s): 3 This course is an introduction to the evolutionary biology of human and nonhuman primates. The course focuses on evolutionary perspectives on form and function, behavior, population, and social structure to reconstruct human evolution and explain human adaptations.

GE Category: Satisfies GE Area B2 (Biological Sciences).
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

ANTH 202 - Introduction to Archaeology

Unit(s): 3 An introduction to archaeology as a method of inquiry, the course seeks to answer the question "How do archaeologists know what they know?" Topics include history of archaeology, field and laboratory methods, relationship between method and theory, and "scientific" and humanistic approaches to the interpretation of data.

Typically Offered Spring Only
Grading: OPT

ANTH 203 - Introduction to Cultural Anthropology

Unit(s): 3 Examination of the anthropological approach to the study of human behavior. Exploration of human dependence on learned, socially transmitted behavior through consideration of ways of life in a broad range of societies.

GE Category: Satisfies GE, Area D1 (Individual and Society).

Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

ANTH 240 - Living in our Globalized World

Unit(s): 3 This course explores trajectories of human experience through the lens of cultural anthropology, a cross-cultural view of the individual within society. It promotes global awareness as a learning outcome, learning to perceive how cultural differences influence the dynamics of human interactions upon the individual through psychological and social changes throughout a human lifespan. Focus is upon the integration of anthropological knowledge across the holistic four subdisciplines, and integration of student personal experience with interdisciplinary knowledge, academic trajectories, and topical interests. Students will develop an appreciation of the duties and rights of a global citizen, and skills necessary to live in and comprehend our pluralistic world.

Typically Offered Fall & Spring
Teaching Mode: Face to Face, Hybrid & Online
Grading: Graded

ANTH 300 - Nature, Culture, and Theory: The Growth of Anthropology

Unit(s): 4 The nature of science, disciplinary inquiry, and the changing intellectual, institutional, and material context of the development of anthropology and its four major subfields in the contemporary world. Identification

of significant issues, schools of thought, and historic persons. Training in the analysis of primary sources, scholarly procedure, library research, bibliography, and professional format and style.

Prerequisite(s): Completion of ANTH 200 or ANTH 201 or ANTH 202 or ANTH 203 and is restricted to Anthropology Junior, Senior and Graduate students only.

Typically Offered Fall & Spring

Grading: OPT

ANTH 301 - Human Fossils and Evolution

Unit(s): 4 This course reviews the fossil evidence for human evolution in Africa, Asia, and Europe during the Pliocene-Pleistocene epochs. The fossil evidence is treated in temporal, geological, and geographic contexts. The primary focus is on the evolutionary implications of the fossil evidence for understanding the evolution of human morphology and behavior. Implications for the emergence of modern human races are also considered.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

ANTH 302 - The Evolution of Males and Females

Unit(s): 4 The reproductive and survival dilemmas faced by our ancestors have shaped our morphology and behavior in complex ways. This course examines the current theoretical frameworks for exploring human sexuality in evolutionary perspective.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 303 - Human Behavioral Ecology

Unit(s): 4 This course is an introduction to human behavioral ecology, the application of evolutionary and biological models to the study of human behavioral variation. Topics of discussion will include optimal foraging theory, kin selection, resource transfer, mate choice, and parental investment.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 305 - Topics in Biological Anthropology

Unit(s): 4 In-depth examination of a specific topic within biological anthropology. Topics vary with each offering. May be repeated for credit if topic differs.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit if topic differs.

Grading: OPT

ANTH 313 - Primate Behavioral Ecology

Unit(s): 4 This course will familiarize students with our closest living relatives, the primates. Topics include taxonomy, diets & dietary adaptations, ranging behavior, cooperation & competition, community ecology, and conservation. This course is strongly recommended in preparation for ANTH 414.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 315 - Forensic Anthropology Theory and Practice

Unit(s): 4 This course explores the theories underlying forensic anthropology and how they are put into practice. Topics include a history of the discipline; professional responsibilities in the autopsy suite and courtroom; taphonomy and the estimation of time since death; techniques and contexts for positive identification; and depictions of forensic anthropologists in popular culture. Examination of case studies at local, national, and international scales.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 318 - Human Development in Evolutionary Perspective

Unit(s): 3 This class explores human development using natural selection, sexual selection, parental investment and related theories. We will examine topics such as pregnancy, childbirth, infancy, childhood, mate choice, marriage, and aging using multiple levels of explanation to understand who we are and where we come from.

Prerequisite(s): Completion of GE Golden Four (A1, A2, A3, B4) with a C- or better and completion of B1, B2 and B3 and at least 45 units.

GE Category: Fulfills the upper division area B (Scientific Inquiry) GE requirement.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ANTH 321 - Archaeology of Contact and Colonization

Unit(s): 4.00 This course focuses on the interface between cultures and regions. It emphasizes how we identify, examine, and interpret them archaeologically. The objective is to provide an overview of migration, exchange, conflict, innovation, and other patterns of human interaction throughout the world, and over the long course of time. Course taught in face-to-face, hybrid, or online modes.

Typically Offered Variable Intermittently

Grading: GRD

ANTH 322 - Historical Archaeology

Unit(s): 4 Introduction to the history, methods, and issues of the field of historical archaeology. Extensive readings provide examples of archaeology from post-1300s contexts in North America, Africa, Australia, and Latin America. Topics covered range from archaeological approaches to ethnic, gender and class diversity to the study of large-scale processes of colonialism, industrialism and global expansion. Broader issues discussed include the relationships between history and anthropology, the cross-cultural impact of European expansion, and the development of contemporary industrial societies.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring

Grading: OPT

ANTH 324 - Archaeology and the Bible

Unit(s): 4 An exploration of the archaeology and history of the ancient Near East, from the earliest human settlements through the Persian empire (ca. 10,500-332 BCE). Societies described in the Hebrew Bible are emphasized, with topics ranging from the rise of the state and international trade, to the identities and everyday lives of men, women, and children. The history and socio-

political impacts of "Biblical Archaeology" are also examined.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only. **Crosslisted:** Cross-listed with HIST 324 & JWST 324.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 325 - World Prehistory

Unit(s): 4 A global survey of the human past from the earliest evidence of tool use to the emergence of stratified urban societies. Emphasis is on the complex diversity of past lifeways, including the reconstruction of human social and material life, the development of different social systems, and connections between societies and their physical environment. Limited discussion of relevant archaeological methods of reconstruction and analysis.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 326 - Topics in Archaeology

Unit(s): 4 Topics vary with each offering; may be repeated for credit with permission of chair. Possible topics might include: environmental adaptation in foraging groups, Holocene transition studies, early food production, emergent cultural complexity, technological innovation and change, regional studies, materials analysis, and geoarchaeology.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with permission of chair.

Grading: OPT

ANTH 327 - Archaeology of North America

Unit(s): 4 This course is a broad survey of the regions, periods, and issues relevant to the study of the North American archaeological record. Topics range from the human settlement of the hemisphere, and the many diverse cultural histories of the continent, through the development of key cultural components such as trade and exchange networks, food production systems, and urban societies, to the increasing impact of cultural resource legislation and the views and interests of modern

indigenous populations on contemporary archaeological practice.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 328 - New Technologies in Archaeology and Cultural Heritage

Unit(s): 4.00 This course is an introduction to recent and evolving technological methods in archaeology and cultural heritage management. The objective is to provide an overview and evaluation of these techniques with an emphasis on their application for the public education and community engagement, not an in-depth immersion into programming or modeling. Course taught in face-to-face, hybrid, or online modes.

Typically Offered Variable Intermittently

Grading: GRD

ANTH 329 - Bioarchaeology

Unit(s): 4 Bioarchaeologists use human remains obtained from archaeological settings to reconstruct past lifeways. Key concepts include recovery and analysis of human remains, human skeletal anatomy, disciplinary ethics, bodily expressions of disease and behavior, social complexity and population affinity, and embodied identity. Use of case studies reveals how bioarchaeological methods and theories are implemented around the world.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 340 - Living in our Globalized World

Unit(s): 3 This course explores differences in human cultures primarily as highlighted through cultural interactions. Focus is on learning to perceive how cultural differences influence the dynamics of human interactions and relationships at the level of the individual, the community, the nation, and the world. This will contribute to an understanding of the processes and patterns shaping our lives allowing students to develop the skills and perspectives necessary to live in the global community. Not applicable to the Cultural Anthropology subfield requirement for the Anthropology major.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

GE Category: Satisfies upper-division GE, Area E (The Integrated Person).

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ANTH 341 - Emergence of Civilizations

Unit(s): 3 A presentation of theory and data related to the development and characteristic features of civilization. Such crucial issues as the domestication of plants and animals, the appearance of stratified societies, the emergence of urban life, the emergence of literacy and its implications for thought, and the emergence of the state will be addressed from a comparative perspective. The course takes a global approach to these topics, covering materials from Southwest Asia; Africa; the Mediterranean; and North, Central, and South America. Not applicable to the Archaeology subfield requirement for the anthropology major.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

GE Category: Satisfies upper-division GE Area D2 (World History and Civilization).

Typically Offered Variable Intermittently

Grading: OPT

ANTH 342 - Organization of Societies

Unit(s): 4 Intensive in-class discussions of accounts from several societies, past and present. Discussions address key issues in cultural analysis (e.g., status, kinship, gender and identity, symbolism) by means of cross-cultural comparison and a holistic examination of culture. Students are encouraged to think critically and interpretively about the organization and cultural practices of the societies under review.

Prerequisite(s): Requisite: ANTH 203 and upper-division standing.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 345 - Nature and Society: Topics in Anthropology and the Environment

Unit(s): 4 Using the methods of anthropology, this course focuses on the study of environmental issues. The course covers the history of anthropological approaches to the environment. Selected topics such as human ecology,

historical ecology, natural resource management, environmental justice, and environmentalism will be announced in the semester schedule.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ANTH 352 - Global Issues

Unit(s): 4 This course explores anthropological perspectives on global issues. The course includes a brief introduction to the theoretical frameworks developed in the discipline for studying issues that impact humanity on a global scale. Possible topics may include: globalization, global capitalism, global climate change, international development, population movements such as international migration and diasporas, and global impacts of diseases such as HIV/AIDS and SARS. Topics vary with each offering; may be repeated for credit with consent of instructor.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

ANTH 358 - Topics in Sociocultural Anthropology

Unit(s): 4 In-depth examination of a specific topic within sociocultural anthropology. Topics vary with each offering and might include: medical anthropology; economic anthropology; political anthropology; or issues such as homelessness, social capital, or community.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit if topics vary.

Grading: OPT

ANTH 380 - Language, Culture, and Society

Unit(s): 4 A survey of basic issues concerning language as a part of human behavior, the symbolic nature of human communication, language as an interpretive model for culture, the social nature of language, the psychobiological bases of language and its acquisition, human and nonhuman communicative behavior, and verbal and

nonverbal communication.

Prerequisite(s): ANTH 200 or ANTH 203 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 382 - Language Change

Unit(s): 4 Survey of the distribution of the world's languages and language families, with discussion of language evolution and areal, genetic, and typological classifications of languages. Study of the languages in contact and the processes of language change, with attention given to the history of writing systems and to writing as a source of evidence for the reconstruction of linguistic change.

Prerequisite(s): ANTH 200 or ANTH 203 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 383 - Language in Sociopolitical Context

Unit(s): 4 Focus on such topics as language attitudes, political power and linguistic equality, language and sociopolitical institutions, and language planning. Practical introduction to the insights offered by discourse analysis to the study of language varieties reflected in particular geographical regions, and by members of particular social classes/groups.

Prerequisite(s): ANTH 200 or ANTH 203 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 384 - Topics in Linguistic Anthropology

Unit(s): 3-4 Topics may include: language acquisition, ideology, policy, revitalization, evolution, creolization and language contact, semantics and pragmatics, and sociolinguistics. Topics vary with each offering.

Prerequisite(s): ANTH 200 or ANTH 203 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 386 - Sign Languages and Signing Communities

Unit(s): 4 Focus is on sign languages used in Deaf communities around the world, with an emphasis on three themes: (a) language as a system, (b) language in cultural and social context, and (c) language relationships in space and time. No previous knowledge of sign language is required.

Prerequisite(s): ANTH 200 or ANTH 203 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 392 - Research in California Prehistory

Unit(s): 4 A seminar offering an introduction and review of a specific topic in California prehistory, emphasizing method and theory. Specific topics -- such as regional culture history, subsistence and settlement, trade and exchange, prehistoric technology and osteology -- will be announced in the semester schedule.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 396 - Topics in Anthropology

Unit(s): 1-4 In-depth examination of a topic within anthropology. Topics vary with each offering.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently **May Be Repeated** Maybe repeated for credit if topic differs.

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ANTH 400 - Anthropology Teaching Praxis

Unit(s): 1-3 Supervision and assessment of curriculum development, course assessment as applicable to students in instructional or faculty-adjunct roles.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit. Instructor consent required.

Grading: GRD

ANTH 401 - Conference Preparation and Organization

Unit(s): 3 Planning, organizing, and implementing undergraduate research forum. Students learn about all aspects of conference organization and proceedings publication. Students will participate in event production, abstract solicitation and selection, publicity, and budgeting for a specific campus research conference. They will also gain valuable skills in journal editing, layout, and publication.

Prerequisite(s): Upper division standing, or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

ANTH 412 - Human Osteology

Unit(s): 4 Combined lecture/laboratory course on the anatomy and biology of the human skeleton. Students learn to identify the bones and teeth of the human skeleton; the landmarks used for osteological analyses; and how morphological and metric analyses of bones and teeth can reconstruct personal biographies and population histories.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 414 - Observing Primate Behavior

Unit(s): 4 In this research methods course, students will learn how to describe and analyze primate behavior through direct observations of local fauna and captive primates at Bay Area zoos.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Completion of ANTH 313 is strongly recommended.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 415 - Forensic Anthropology Methods

Unit(s): 4 Combined lecture/laboratory course for students interested in the methods used by forensic anthropologists. Topics include learning the anatomy of the human skeleton; creating a biological profile by estimating age, sex, stature, and ancestry; identifying the effects of trauma and pathology on bone to discover cause and manner of death; and understanding forensic anthropologists' role in crime scene investigation.

Prerequisite(s): Completion of GE area B2 and upper-division or graduate standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 420 - Archaeology Methods

Unit(s): 4 Basic methods of archaeological reconnaissance, excavation and laboratory analysis. Class time is divided between lecture/discussions, survey and excavation on local archaeological sites, and processing and analyzing excavated collections of artifacts. Upper division standing.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 444 - Material Culture Studies

Unit(s): 4 An interdisciplinary examination of the objects, structures, technologies and environments humans create and use. Compares approaches from anthropology, archaeology, folklore, history, vernacular architecture, and cultural landscape studies. Introduces students to material culture study methods, emphasizing techniques of identifying, recording, analyzing and interpreting a wide range of material culture categories.

Prerequisite(s): ANTH 200 or ANTH 203 and upper division standing.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 451 - Applied Ethnographic Methods

Unit(s): 4 This is an applied research course designed to link theory, field research, data collection, and service learning in the local community. This will include research design, data collection and analysis, and final report preparation and presentation. Other topics covered include historic overview of the development of applied anthropology, the uses and roles of anthropology outside academia, survey of professional practice including ethical considerations, state of the job market, techniques for career preparation, and issues of generalization versus specialization.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 454 - Ethnographic Field School

Unit(s): 4 A field school designed to help students develop their ethnographic field work skills, especially rapid appraisal techniques in an applied setting. Students will learn how to design and carry out a research project utilizing such skills as participant observation, interviewing, and data analysis. Students will be required to write a report based on their research and experiences. Contact department for more information.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

ANTH 480 - Studies of Language Use

Unit(s): 4 Application of methods and procedures used in the investigation of communication in natural contexts. Topics include research ethics, problem formation, research design, basic data gathering techniques and strategies (with an emphasis on linguistic approaches), quantitative and qualitative data analysis and report writing.

Prerequisite(s): ANTH 200 or ENGL 203 and upper division standing, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ANTH 490 - Topical Seminar in Anthropology

Unit(s): 1-4 **Prerequisite(s):** Anthropology Majors with Senior Standing

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit if topic differs.

Grading: GRD

ANTH 491 - Senior Seminar

Unit(s): 1 The focus of the seminar may vary, but the class will comprehensively address the four goals of the anthropology major -- comparative perspective, four-field coverage, integration of the four field approach, and ethical awareness -- through discussion of areas of special interest to the department faculty. Project and activities will be designed that will require students to demonstrate their mastery of curricular goals as outlined in the

department's assessment program. Majors must enroll during their final fall semester prior to graduation.

Prerequisite(s): Anthropology Majors with Senior Standing

Typically Offered Fall Only

Grading: OPT

ANTH 495 - Special Studies

Unit(s): 1-4 During the first week of the semester, students interested in special studies in anthropology must submit a written proposal and an outline of projected work to a faculty sponsor for approval. Each unit of credit requires a minimum of 45 hours of work per semester (3 hours per unit per week), including regular consultation with an evaluation by the faculty member in charge.

Prerequisite(s): Upper-division or graduate standing and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: CNC

ANTH 496 - Agency Internships

Unit(s): 1-3 Students in the internship program have an opportunity to apply anthropological theory and methods to a variety of situations in public and private agencies. Internships require faculty approval and a minimum of 45 hours of work per unit per semester, including regular consultation with the faculty sponsor. This internship is usually overseen by supervisors in off-campus agencies who report to faculty supervisors.

Prerequisite(s): Upper-division or graduate standing and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ANTH 496A - Internship in Archaeology

Unit(s): 2-3 Students will team with staff of SSU's Anthropological Studies Center to perform, for example, pre-field research, recognize and record archaeological sites, use GPS equipment, make computer-generated maps, and complete state record forms. Activities will vary depending on available projects. Internships require a minimum of 45 hours of work per semester/unit, including regular consultation with faculty sponsor.

Prerequisite(s): Upper-division or graduate standing and

consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: CNC

ANTH 497 - Anthropology Internships

Unit(s): 1-3 Students in the internship program have an opportunity to apply anthropological theory and methods to a variety of situations in public and private agencies. Internships require faculty approval, a minimum of 45 hours of work per unit per semester, including regular consultation with and evaluation by the faculty sponsor.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

ANTH 500 - Proseminar

Unit(s): 4 Introduction to research methodology in the social sciences; research design and implementation, use of library and archival materials, editorial review of writing, and guide to preparation of professional anthropological papers.

Prerequisite(s): Course open to Cultural Resources Management graduate students only.

Typically Offered Fall Only

Grading: GRD

ANTH 502 - Archaeology: History and Theory

Unit(s): 3 The rise of theoretical archaeology, with emphasis on the range of theoretical approaches taken by archaeologists and the nature of archaeological problem solving in theory and practice.

Prerequisite(s): Class open to Graduate Students only

Typically Offered Spring Even Years

Grading: GRD

ANTH 503 - Seminar: Cultural Resources Management

Unit(s): 3 Who owns the past and who has the right to manage it? Review of federal, state, and local legislation pertinent to the inventory, evaluation, and treatment of archaeological sites, historic buildings, and places that are important to Native Americans and others. Emphasis is placed on process of evaluation according to legal

guidelines including, CEQA, the Section 106 Process, and the National Register of Historic Places.

Prerequisite(s): Class open to Graduate Students only
Typically Offered Fall Odd Years
Grading: OPT

ANTH 554 - Field School in Cultural Heritage Management

Unit(s): 4 A field school designed to introduce graduate students to fieldwork in cultural heritage management. Students will learn how to design and carry out a research project utilizing skills appropriate to the specific focus of their project. Students will be required to write a report based on their research and experiences. Contact department for more information.

Prerequisite(s): Class open to Graduate Students only
Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: CNC

ANTH 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree.

Prerequisite(s): Class open to Graduate students only. Graduate Coordinator consent required.
Typically Offered Fall & Spring
Grading: GRD

ANTH 590 - Advanced Seminars in Anthropology

Unit(s): 1-3 In-depth consideration of specific anthropological, applied anthropology or anthropologically related topics. Topics will vary from semester to semester.

Prerequisite(s): Class open to Graduate Students only
Typically Offered Variable Intermittently
Grading: GRD

ANTH 592 - Practicum in National Register of Historic Places

Unit(s): 2 This hands-on course will introduce students to the process by which historic buildings are recorded and evaluated for eligibility to the NRHP. Classes will cover basic wood-frame construction techniques, basic architectural description, and how to undertake focused historical research in official records. Students will learn to

identify and describe a historic building, document it using photographs, plans, and detailed drawings, and reconstruct its history.

Prerequisite(s): Class open to Graduate Students only
Typically Offered Fall Even Years
Grading: GRD

ANTH 595 - Special Studies

Unit(s): 1-4 During the first week of the semester students interested in special studies in anthropology must submit a written proposal and an outline of projected work to a faculty sponsor for approval. Each unit of credit requires a minimum of 45 hours of work per semester, which includes regular consultation with and evaluation by the faculty member in charge.

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.
Typically Offered Fall & Spring
Grading: CNC

ANTH 596 - Agency Internships

Unit(s): 1-3 Students will have an opportunity to apply anthropological theory and methods and/or cultural resources management procedures as interns with public and private agencies. Internships require faculty approval and a minimum of 45 hours of work per unit per semester, including regular consultation with the faculty sponsor. This internship is usually overseen by supervisors in off-campus agencies who report to faculty supervisors.

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: CNC

ANTH 596A - Internship in Archaeology

Unit(s): 3 Students will team with staff of SSU's Anthropological Studies Center to perform, for example, pre-field research, recognize and record archaeological sites, use GPS equipment, make computer-generated maps, and complete state record forms. Activities will vary depending on available projects. Internships require a minimum of 45 hours of work per semester/unit, including regular consultation with faculty sponsor.

Prerequisite(s): Graduate Standing and Consent of Instructor.

Typically Offered Fall & Spring **May Be Repeated** Yes
Teaching Mode: Face-to-Face **Grading:** CNC

ANTH 596B - Internship in Cultural Resources Management

Unit(s): 2-3 Students will team with staff of SSU's Anthropological Studies Center to get intensive, hands-on experience in carrying out CRM projects, including: responding to requests for proposals, assessing the legal context of their work, budgeting, field logistics, cultural resources inventory, mapping, and report writing. Internships require a minimum of 45 hours of work per semester/unit, including regular consultation with faculty sponsor.

Prerequisite(s): Graduate Standing and Consent of Instructor.

Typically Offered Spring Only **May Be Repeated** Yes
Grading: CNC

ANTH 596C - Internship in Information Management

Unit(s): 1-3 Students will team with staff of the Northwest Information Center to get intensive instruction in and experience with a variety of archival and research-based information, and a range of data management techniques relevant to current practices in cultural resources management and historic preservation in the regulatory context. Internships require a minimum of 45 hours of work per semester/unit, including regular consultation with faculty sponsor.

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.

Typically Offered Fall & Spring **May Be Repeated** Yes
How many times?

2 Maximum units for credit

3

Grading: CNC

ANTH 597 - Anthropology Internships

Unit(s): 1-3 Students will have an opportunity to apply anthropological theory and methods and/or cultural resources management procedures as interns with public and private agencies. Internships require faculty approval, a minimum of 45 hours of work per unit per semester, including regular consultation with and evaluation by the faculty sponsor.

Prerequisite(s): Prerequisite: Graduate Standing and

Consent of Instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ANTH 598 - Teaching Assistant in Anthropology

Unit(s): 1-3 Provides experience by assisting the instructor in an anthropology course. Open only to advanced students for specific anthropology courses approved by the department.

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ANTH 599A - Thesis

Unit(s): 2-3 Planning and execution of a research program culminating in the completion of a thesis (4 units maximum for 599A plus ANTH 599B).

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.

Typically Offered Fall & Spring

Grading: GRD

ANTH 599B - Thesis

Unit(s): 2-3 Planning and execution of a research program culminating in the completion of a thesis (4 units maximum for ANTH 599A plus B).

Prerequisite(s): Prerequisite: Graduate Standing and Consent of Instructor.

Typically Offered Fall & Spring

Grading: GRD

Art History

ARTH 160A - Humanities Learning Community

Unit(s): 4 ARTH 160 A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student. Students taking this course can not get credit for ARTH 210.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative

Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

ARTH 160B - Humanities Learning Community

Unit(s): 4 ARTH 160 A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student. Students taking this course can not get credit for ARTH 210.

Prerequisite(s): ARTH 160A

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

ARTH 199 - Student-Instructed Course

Unit(s): 1-4 Please see current Schedule of Classes for details. May be repeated for credit.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: CNC

ARTH 210 - Introduction to Art History

Unit(s): 4 A survey course covering painting, sculpture, and architecture of prehistoric and primitive cultures, and ancient, classical, and medieval civilizations. Students who have taken ARTH 160A will not receive credit for taking ARTH 210.

Prerequisite(s): Students who have already completed ARTH 160A may not enroll in ARTH 210

GE Category: Satisfies GE Area C1 (Fine Arts).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Online. **Grading:** OPT

ARTH 211 - Introduction to Art History

Unit(s): 4 A survey course covering painting, sculpture and architecture from the Renaissance to the present with a global perspective. Students who have taken ARTH 160B will not receive credit for taking ARTH 211.

Prerequisite(s): Students who have already completed ARTH 160B may not enroll in ARTH 211

GE Category: Satisfies GE Area C1 (Fine Arts).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Online. **Grading:** OPT

ARTH 270A - Survey of Islamic Art

Unit(s): 3-4 This course examines the formation, establishment and variations of Islamic artistic culture from its beginnings in the 7th century through the 20th century.

GE Category: Satisfies GE, category C1 (Fine Arts)

Typically Offered Variable Intermittently

Grading: OPT

ARTH 270B - Survey of Asian Art

Unit(s): 3-4 Course examines artistic developments in Asia (including China, Japan and India) from prehistoric periods to the present.

GE Category: Satisfies GE, category C1 (Fine Arts).

Typically Offered Variable Intermittently

Grading: OPT

ARTH 273 - Arts and Literature: Critical and Creative Readings and Renderings

Unit(s): 4 This course explores the relationship between literature and art, paying attention to interrelationships between literary and artistic works and exploring different aspects of creativity, history and culture found in art and literature. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2.

Typically Offered Fall & Spring

Grading: GRD

ARTH 300 - Graded Assistance Projects

Unit(s): 1-4 Designed for advanced students to gain practical experience in the functions of art studios, workshops, classroom, visual resources management, or exhibition projects. Work under supervision of faculty or staff. Each unit requires 3 hours of work per week. (See also ARTH 499.)

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

ARTH 301 - Assistance Projects

Unit(s): 1-4 Designed for advanced students to gain practical experience in the functions of art studios, workshops, classrooms, or exhibition projects. Work under supervision of faculty or staff. Each unit requires 3 hours of work per week. Cr/NC only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ARTH 312 - Principles of Arts Management

Unit(s): 3 May be offered every three or four semesters. A seminar surveying the management of nonprofit visual arts institutions in the United States and the role of those institutions within society. Topics range from practical information, such as the structure of nonprofit organizations, the role of a board of trustees, fundraising, financial management, marketing, and the growing use of technology in the arts, to theoretical concepts being discussed within the field. Guest lecturers will be featured on a regular basis, and several field trips will be scheduled.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 399 - Student-Instructed Course

Unit(s): 1-4 A course exploring topics in the history of the arts and architecture of Egypt, Crete, and/or the Near East before the conquests of Alexander the Great.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ARTH 420 - Pre-Classical Art

Unit(s): 3-4 A course exploring topics in Etruscan and Roman art and architecture from the early Republic through the age of Constantine, 4th century C.E.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 422 - Greek Art

Unit(s): 3-4 A course examining artistic developments after the Roman Empire. Topics may include Jewish, Christian, and Muslim traditions in the Mediterranean and environs, Byzantium, iconoclasm, Viking culture and

explorations, the Carolingian Renaissance, monastic practice. Emphasis on how art, religion, politics, and other aspects of culture were transmitted and shared. Content emphasis may vary.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 424 - Roman Art

Unit(s): 3-4 A thematic course examining critical issues in late medieval art possibly including race, gender, religion, relics, materiality, and magic. Jewish, Christian, and Muslim traditions included. Content emphasis may vary.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 430 - Medieval Art In and Around the Mediterranean

Unit(s): 3-4 This class examines fifteenth-century European modes of understanding the nature of art, representation, and viewing. Content emphasis may vary. May be repeated with consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 432 - Medieval Art: Post-Millennial Issues

Unit(s): 3-4 A thematically organized course exploring contentious sixteenth-century issues: gender, race, politics, sacred space, and social organization. Local and global concerns are considered in tandem. The beginnings of art history and later notions of periodization are examined critically.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 440 - 15th C. Renaissance Art: Vision, Representation, Space

Unit(s): 3-4 A course exploring topics in painting, printmaking, sculpture, and architecture of the 14th-16th centuries in Europe. Content emphasis may vary.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated with consent of instructor.

Grading: OPT

ARTH 442 - The Self-Conscious Italian Renaissance

Unit(s): 3-4 A course exploring the fractious debates over the nature of art, the role of the artist, alterity, social class, and global explorations, especially the exchange of images between Europe and the Americas. Content emphasis may vary.

Typically Offered Variable Intermittently
Grading: OPT

ARTH 444 - Northern Renaissance Art

Unit(s): 3-4 This course examines topics in the 18th c art and may include examinations of painting, architecture, sculpture and printmaking. Themes include the relationship between art and social class, influences of enlightenment philosophy, women and the arts, art and revolution. Topics vary.

Typically Offered Variable Intermittently
Grading: OPT

ARTH 450 - Baroque: Object to Artwork

Unit(s): 3 This course explores 19th c art movements such as Impressionism, Neo-impressionism, Symbolism in relation to the changes that marked the Nineteenth Century: the development of the democratic nation state, colonialism, the rise of social movements, the shift from private court patronage to a free market economy, the development the dealer-critic system, the invention of photography, scientific advances in optics, and the discovery of the unconscious in psychology, shifts in gender roles.

GE Category: Satisfies upper-division GE, category C1 (Fine Arts).

Typically Offered Variable Intermittently **May Be Repeated** May be repeated with consent of instructor
Grading: OPT

ARTH 452 - Art in the Age of Enlightenment

Unit(s): 3-4 This course examines photography as a cultural object and a form of art from its invention to the digital age. Topics may include: photography as art, photography and the avant-gardes, photography and gender, photography and memory, photography as scientific or juridical proof, documentary and photojournalism, photography and the construction of identities, photography and place, the transformation of

photography in the digital age.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with the consent of the instructor.

Grading: OPT

ARTH 454 - Art and the Emergence of Modernity

Unit(s): 3-4 A survey of the American experience from pre-Colonial times to the present, with insights into European, non-Western, and native influences.

Prerequisite(s): HUM 200 or ENGL 101 or ENGL 100B or LIBS 101 required.

GE Category: Satisfies upper-division GE Area C1 (History of the Fine Arts).

Typically Offered Variable Intermittently
Grading: OPT

ARTH 456 - The History and Theory of Photography

Unit(s): 3-4 This course examines photography as a cultural object and a form of art from its invention to the digital age. Topics may include: photography as art, photography and the avant-gardes, photography and gender, photography and memory, photography as scientific or juridical proof, documentary and photojournalism, photography and the construction of identities, photography and place, the transformation of photography in the digital age.

Typically Offered Variable Intermittently
Grading: OPT

ARTH 460 - History of American Art

Unit(s): 3-4 A survey of the American experience from pre-Colonial times to the present, with insights into European, non-Western, and native influences.

Prerequisite(s): HUM 200 or ENGL 101 or ENGL 100B required.

GE Category: Satisfies upper-division GE Area C1 (History of the Fine Arts).

Typically Offered Variable Intermittently
Grading: OPT

ARTH 464 - Avant-Gardes of the Early 20th Century

Unit(s): 3-4 This course explores topics in the history of art from approximately 1900-1945: Examines avant-garde movements such as Fauvism, Cubism, Expressionism, Primitivism, Constructivism, Dada and Surrealism with relation to the cultural upheavals of the early 20th Century including industrialization, revolution, WWI, shifts in gender roles and the rise of fascism.

Prerequisite(s): HUM 200 or ENGL 101 or ENGL 100B required.

GE Category: Satisfies upper-division GE, category C1 (Fine Arts).

Typically Offered Variable Intermittently

Grading: OPT

ARTH 465 - Modern Art from 1945 to 1979

Unit(s): 3-4 A course exploring European and American developments in late modern and early postmodern art with a focus on work made between 1945 and 1979. Movements such as Abstract Expressionism, Pop, Minimalism, Photo-Realism, Earth Art, and Feminist Art will be discussed in depth, along with the social, economic, and political context within which the work was created. Reading and writing assignments on designated topics will be required.

Prerequisite(s): HUM 200 or ENGL 101 or ENGL 100B required.

GE Category: Satisfies upper-division GE Area C1 (Fine Arts).

Typically Offered Fall Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** OPT

ARTH 466 - Contemporary Art

Unit(s): 3-4 A course exploring international developments in post modern and current art with a focus on work made from 1980 and to the present. Movements and styles such as Neo-Expressionism, Appropriation, Graffiti, Body and Identity Art, and the use of new technology will be discussed in depth. In addition, we will examine the critical theories necessary for a thorough understanding of contemporary art and artists. Reading and writing assignments on designated topics will be required.

Typically Offered Spring Only

Grading: OPT

ARTH 467 - Museum Collections Management

Unit(s): 3 A course on the principles and practices of managing and caring for today's museum collections. Classes will relate to different types of collections including art, history, and anthropology, as well as different models of museums: public, private, and corporate. Topics include accessioning, object handling and storage, preventative conservation, collections planning, exhibitions, and loans. Students will gain an overall understanding of the physical, ethical and legal care of museum collections. Guest speakers and off-campus field trips to tour behind the scenes collections at Bay Area museums will be planned.

Typically Offered Variable Intermittently

Grading: OPT

ARTH 468 - Curatorial Practice

Unit(s): 3 A lecture and activity seminar designed to explore the changing role of the curator in relation to contemporary art, both within and beyond traditional presenting institutions. In addition to a historical review of curatorial models, the course will address such subjects as curatorial theory; assessment and interpretation; writing for curators; public speaking; research methodology for curators; and exhibition theory and practice. Students will also participate in at least one exhibition project. Several guest speakers and field trips will be scheduled

Typically Offered Variable Intermittently

Grading: OPT

ARTH 470A - Survey of Islamic Art

Unit(s): 3-4 This course examines the formation, establishment and variations of Islamic artistic culture from its beginnings in the 7th century through the 20th century. Students who have taken ARTH 270A will not receive credit for taking ARTH 470A

Typically Offered Variable Intermittently **May Be Repeated** May be repeated with consent of instructor.
Grading: OPT

ARTH 470B - Asian Art

Unit(s): 3-4 Course examines artistic developments in Asia (including China, Japan and India) from prehistoric periods to the present.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated with consent of instructor.
Grading: OPT

ARTH 474 - Topics in Islamic Art

Unit(s): 3-4 A course dealing with intensive study of a particular topic of Islamic Art. The topic will vary from semester to semester and may include the Age of Empire, Islamic Spain or other topics.

Typically Offered Variable Intermittently **May Be Repeated** Course may be repeated.
Grading: OPT

ARTH 480 - Selected Topics in Art History

Unit(s): 1-4 A course dealing with intensive study of a particular art topic. The topic will vary from semester to semester. The course may be applicable to requirements for a major in art. Consult advisor and department chair.

Prerequisite(s): Major status, advanced standing, and consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** Course may be repeated and may be applicable to requirements for a major in art. Consult advisor and department chair.
Grading: OPT

ARTH 490 - Seminar in Visual Art and Culture

Unit(s): 4 Students write a semester long research paper and learn research methods, writing strategies, application of critical theory to analysis of art and visual culture. Open to all majors. Required for art history majors. We recommend that non-art history majors have completed two papers in upper division art history courses or connected humanities or social sciences in order to be successful in this class.

Prerequisite(s): Junior or Senior standing.

Typically Offered Fall Only
Grading: OPT

ARTH 492 - Senior Honors Thesis

Unit(s): 1-2 The honors student prepares an in-depth research paper under the guidance of members of the art history or film faculty. The student will utilize scholarly resources of the region and produce an original research paper of extended length. Participation by consent of the art history faculty. Must be taken with two separate advisors.

Prerequisite(s): ARTH 490. Restricted to ARTH majors and instructor approval.

Typically Offered Fall & Spring
Grading: OPT

ARTH 493 - Museum and Gallery Management

Unit(s): 3 A seminar surveying the management of nonprofit museums and other visual arts organizations in the United States and the role of these institutions within society. Topics range from practical information, such as the structure of nonprofit organizations, the role of a board of trustees, fund-raising, financial management, marketing, and the growing use of technology in the arts, to theoretical concepts being discussed within the field. Guest lecturers and field trips will be scheduled throughout the semester.

Typically Offered Variable Intermittently
Grading: OPT

ARTH 494 - Museum Theory and Practice

Unit(s): 3 An advanced lecture and activity course in methods and techniques of nonprofit gallery and museum practice. Topics include museum history and philosophy of museums, their structure and purpose, exhibition development, and a museum's relationship to the public. Current issues such as accountability, management of cultural artifacts, censorship, and funding for the arts will also be discussed. Students participate in various functions of the University Art Gallery including exhibition installation and design, opening receptions, publicity, fundraising events, and administration. Two off-campus field trips will be planned.

Typically Offered Spring Only
Grading: OPT

ARTH 495 - Special Studies

Unit(s): 1-4 For upper-division Art History and Film History majors only. Consult department faculty in your area of emphasis. The University contract form with required signatures of student, instructor, faculty advisor, and department chair must be completed before registering for special studies units.

Prerequisite(s): Course restricted to Art (History and Studio) Majors and Advanced Junior Standing only.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

ARTH 496 - Directed Field Research Experience

Unit(s): 1 Travel to galleries and museums in various North American cities. Individual and group participation required. Destinations vary; consult semester schedule for specifics. Fee required at time of registration.

Prerequisite(s): major status and advanced standing or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated and may be applicable to requirements in the major.

Grading: CNC

ARTH 497 - Directed Field Research Experience

Unit(s): 1 Travel to various destinations, which vary depending on type of field research being offered; consult semester schedule for specifics. Students will be responsible for a field research project(s), based on the trip. Fee required at time of registration.

Prerequisite(s): major status and advanced standing or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated and may be applicable to requirements in the major.

Grading: OPT

ARTH 499 - Internships

Unit(s): 1-4 Students in the internship program will have an opportunity to gain practical skills by working in a variety of capacities, including gallery and museum situations in the private and public sectors. Credit will be given for completion of 3 hours of work per week per unit, by prior arrangement with department coordinator. (See also ARTH 300.)

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

Art Studio

ARTS 101 - Art Fundamentals

Unit(s): 3 Basic design. A studio course in the study of form, color, and composition in 2-dimensional art; rendering of 3-dimensional objects from observation using line and values; and principles of perspective. Basic

requisite course for studio courses on the 200 level.

Prerequisite(s): Course restricted to Art Studio and Art History Majors and Minors only.

Typically Offered Not Recently Offered

Grading: OPT

ARTS 102 - Fundamentals of Three Dimension Design

Unit(s): 3 A studio course introducing the student to the principles of three dimensional design. Sculptural, architectural and design projects are realized through a series of assigned projects exploring form, volume, plane, line, and structure. Traditional and non-traditional sculptural materials are used. Prerequisite course for 200 level studio courses. Laboratory fee due at time of registration.

Typically Offered Not Recently Offered

Grading: GRD

ARTS 103 - Safety and Shop Practices

Unit(s): 1 An activity course required for new or transfer sculpture students, or for any student wishing to have access to the wood shop or use power and hand tools dispensed from the tool crib. Examinations required every semester for continued use of power equipment. Laboratory fee payable at registration.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Recommended Class is recommended for all students majoring in Art Studio.

Grading: CNC

ARTS 104 - Studio Art Foundations

Unit(s): 4 This course is designed to encompass the primary learning objectives of ARTS 101 and ARTS 102 into one intensive studio experience. Geared specifically to incoming Art History and Studio Art majors, students will be asked to participate in a variety of activities and exercises that are designed to break down preconceived notions of art-making and the creative process, introduce a conceptual focus, and apply the basic principles of 2- and 3-dimensional design. Concurrent registration in ARTH 160A/ARTH 160B is suggested. This course, when taken in conjunction with ARTS 103, meets the basic requisite for studio courses on the 200 level. Laboratory fee payable at registration.

Typically Offered Fall & Spring
Grading: GRD

ARTS 105 - Media Art Fundamentals

Unit(s): 3 Media Art Fundamentals is a foundation course exposing students to the various software applications used in media art production. Students will gain experience with the creation of still and moving images, sound recording, online presentations and digital printing. Lab fee payable at time of registration.

Typically Offered Fall & Spring
Grading: OPT

ARTS 202 - Beginning Drawing

Unit(s): 3 A beginner's studio course in drawing employing a variety of media, including pencil, ink, charcoal, conte, and pastel. Includes a unit on objective drawing.

Prerequisite(s): Course restricted to Art Studio and Art History Majors and Minors only.

Typically Offered Variable Intermittently
Grading: OPT

ARTS 204 - Beginning Life Drawing

Unit(s): 3 An introductory studio course in drawing from nature, including the human figure. Basic problems in dealing with the figure as subject matter.

Prerequisite(s): Course restricted to Art Studio and Art History Majors and Minors only.

Typically Offered Variable Intermittently
Grading: OPT

ARTS 210 - Introduction to Digital Photography

Unit(s): 3 An introduction to the theory, techniques and processes of still photography with a digital camera. Course content will emphasize photography's potential for self-expression and creative problem solving in an artistic context. Image output will include digital prints and on-line presentations. Lab fee payable at time of registration.

Prerequisite(s): ARTS 105 or consent of Photography Director or Department Chair

Typically Offered Fall & Spring
Grading: OPT

ARTS 212 - Introduction to Analogue / Darkroom Photography

Unit(s): 3 An introduction to black and white analog 35mm photography and darkroom printing. Lab fee payable at time of registration.

Prerequisite(s): ARTS 210 or consent of Photography Director or Department Chair

Typically Offered Fall & Spring
Grading: OPT

ARTS 220 - Beginning Painting

Unit(s): 3 Studio course in painting in a variety of media, with primary concentration in oil. Directed problems. Work from imagination, still life, and the figure. Group and individual criticism.

Typically Offered Fall & Spring
Grading: OPT

ARTS 229 - Beginning Ceramics

Unit(s): 3 A studio course surveying a wide range of ceramic processes, including a variety of hand building techniques, working on potter's wheel, glazing, and firing. Directed problems cover both traditional/sculptural aspects of ceramics. Course includes lectures, demonstrations, discussion, critiques, and laboratory. Lab fee payable at time of registration.

Typically Offered Fall & Spring
Grading: OPT

ARTS 236 - Beginning Sculpture

Unit(s): 3 A studio course offering a range of traditional and non-traditional sculptural processes and materials. Introduces the beginning student to welding, woodworking, mold-making, and casting. Group critiques, field trips, textbook required. Lab fee due at time of registration.

Typically Offered Fall & Spring
Grading: OPT

ARTS 245 - Beginning Printmaking

Unit(s): 3 A studio course introducing the student to a variety of printmaking media, which may include etching, lithography, woodcut, and linocut. Lecture, demonstration, and laboratory work, which may include

proofing, printing, and a small edition. Laboratory fee payable at time of registration.

Typically Offered Fall & Spring
Grading: OPT

ARTS 273 - Arts and Literature: Critical and Creative Readings and Renderings

Unit(s): 4 This course explores the relationship between literature and art, paying attention to interrelationships between literary and artistic works and exploring different aspects of creativity, history and culture found in art and literature.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2.

Typically Offered Fall & Spring
Grading: GRD

ARTS 298 - Selected Topics in Art Studio

Unit(s): 1-4 A beginning studio course dealing with intensive study of a particular art topic, which may vary from semester to semester.

Prerequisite(s): previous or concurrent enrollment in ARTS 101 and ARTS 102.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated, and applicable to requirements for a major in art.
Grading: OPT

ARTS 300 - Graded Assistance Projects

Unit(s): 1-4 Designed for advanced students to gain practical experience in the functions of art studios, workshops, classrooms or exhibition projects. Work under supervision of faculty or staff. Each unit requires 3 hours of work per week.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

ARTS 301 - Assistance Projects

Unit(s): 1-4 Designed for advanced students to gain practical experience in the functions of art studios, workshops, classrooms, or exhibition projects. Work under supervision of faculty or staff. Each unit requires 3 hours of work per week.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ARTS 302 - Intermediate Drawing

Unit(s): 3 Directed problems in drawing for the intermediate student. Work from both imagination or observational approaches.

Prerequisite(s): ARTS 202 or ARTS 204.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

ARTS 304 - Intermediate Life Drawing

Unit(s): 3 A workshop in drawing the human figure for students who have fulfilled the beginning drawing prerequisite or are at intermediate skills levels. Group and individually directed special problems related to drawing the live model.

Prerequisite(s): ARTS 204.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: OPT

ARTS 305 - Special Topics in Photography

Unit(s): 3 This is a rotating special topics in Photography studio art course. Course content may include alternative processes, interdisciplinary practices, moving image, sound recording, handmade artist books and other experimental approaches to image making. Lab fee payable at time of registration.

Prerequisite(s): ARTS 212 or consent of Photography Director or Department Chair.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

ARTS 310 - Intermediate Digital Photography

Unit(s): 3 In this studio course intermediate theory, techniques and processes of digital photography will be explored with an emphasis on quality output. Students gain familiarity with a variety of input and output options and multiple image editing applications with emphasis placed on the creative use of new technology. Lab fee payable at time of registration.

Prerequisite(s): ARTS 210 or consent of Photography Director or Department Chair

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ARTS 312 - Studio Lighting

Unit(s): 3 A studio course that introduces concepts and techniques of studio lighting; medium and large format analog camera operation and advanced darkroom printing techniques. Lab fee payable at time of registration.

Prerequisite(s): ARTS 212 or consent of Photography Director or Department Chair.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ARTS 320 - Intermediate Painting

Unit(s): 3 Intermediate-level studio course in painting. Directed and individual problems. Group and individual criticism. May only be repeated by majors.

Prerequisite(s): ARTS 220. Laboratory fee payable at time of registration.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: OPT

ARTS 329 - Intermediate Ceramics

Unit(s): 3 A studio course concentrating on wheel and hand building techniques to explore formal/functional issues in clay. Emphasis is placed on design issues, content, and developing a personal visual vocabulary through individual and group critiques. Laboratory exercises to develop color/texture in glazes and firing techniques are also covered. Lab fee payable at time of registration.

Prerequisite(s): ARTS 229.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit. Textbook required.

Grading: OPT

ARTS 336 - Intermediate Sculpture

Unit(s): 3 A studio course with directed projects. Emphasis on content and developing a personal sculptural vocabulary through experimentation with traditional and non-traditional materials and processes. Group critiques,

field trips, short writing assignments. Textbook required. Laboratory fee due at time of registration.

Prerequisite(s): ARTS 236.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: OPT

ARTS 340 - Intermediate Etching and Woodcut

Unit(s): 3 A studio course on the intermediate level in various printmaking aspects, including woodcut, engraving, photo-engraving, monotype, and etching. Laboratory fee payable at time of registration.

Prerequisite(s): ARTS 245.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: OPT

ARTS 342 - Intermediate Lithography

Unit(s): 3 Continued studio work at the intermediate level in lithographic methods, including color technology and conceptual development. Lecture, demonstration, and studio work. Laboratory fee payable at time of registration.

Prerequisite(s): ARTS 245.

Typically Offered Fall & Spring

Grading: OPT

ARTS 382 - Intermediate Monoprint

Unit(s): 3 An intermediate studio course emphasizing single and multiple images derived from a variety of original sources, including painting, hand-painted prints, collagraphs, chine colle, and multiple manipulated prints. A maximum of 3 upper-division units may be applied toward a printmaking or a painting emphasis. Laboratory fee payable at time of registration.

Prerequisite(s): ARTS 245.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 395 - Community Involvement Program

Unit(s): 1-4 Student-directed creative activities in behalf of nearby off-campus community agencies. One to 4 units of credit, based on 30 hours of contributed effort per unit per semester. Art education assistance and selected private enterprises. Six CIP units may be applied toward a

degree.

Prerequisite(s): prearranged program with community host-sponsor and consent of instructor.

Typically Offered Variable Intermittently

Grading: CNC

ARTS 402 - Advanced Drawing

Unit(s): 3 Independent work from imagination or nature for the advanced student. Can be arranged as correlative drawing problems done in conjunction with advanced studio projects in area of emphasis.

Prerequisite(s): at least 4 units of ARTS 202 or ARTS 204, and 3 units of 300-series drawing courses, or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a maximum of 12 units.

Grading: OPT

ARTS 404 - Advanced Life Drawing

Unit(s): 3 An advanced studio life drawing class with directed special problems related to drawing the live model and to drawing from nature.

Prerequisite(s): ARTS 304.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for up to a maximum of 12 units.

Grading: OPT

ARTS 420 - Advanced Painting

Unit(s): 3 Continued studio work in painting in oils and/or acrylics. Laboratory fee payable at time of registration.

Prerequisite(s): ARTS 320.

Typically Offered Fall & Spring **May Be Repeated** May be repeated by art majors only for credit up to a maximum of 9 units, more for B.F.A. students.

Grading: OPT

ARTS 429 - Advanced Ceramics

Unit(s): 3 A studio course addressing advanced throwing and hand building, glazing, and firing techniques. Emphasis is placed on content and development of a personal voice in ceramics. Students are encouraged to create individual project plans and work large scale. Lab fee payable at time of registration.

Prerequisite(s): ARTS 329 or ARTS 330 required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: OPT

ARTS 430 - Large Scale Clay and Installation of Ceramic Sculpture

Unit(s): 3 Course concentrates on large scale ceramics sculpture/installation. Hand building and wheel throwing techniques utilized. Emphasis placed on project planning, content, and developing a personal visual vocabulary through individual/group critiques. Lab fee payable at registration. Can replace one semester of Advanced Ceramics.

Prerequisite(s): ARTS 330 or ARTS 339 required.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 435 - Bronze Foundry

Unit(s): 3 In-depth instruction of processes involved in producing bronze sculpture. Students explore all aspects of realizing sculpture in bronze, from clay or plaster molds to wax: various methods of wax working/mold making, including ceramic shell, sand, and investment; casting; and patination. Group critiques, field trips. Laboratory fee due at time of registration. Textbook required.

Prerequisite(s): ARTS 236, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 436 - Advanced Sculpture

Unit(s): 3 Studio and field work that emphasizes the development of individual style. Group critiques, field trips, and short writing assignments. Text book required. Laboratory fee payable at time of registration.

Prerequisite(s): 6 units of ARTS 336 or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to a maximum of 15 units, more for B.F.A.

Grading: OPT

ARTS 437 - COMMENCE: Sculpture Projects

Unit(s): 3 In this intensive studio course, students learn the practical steps of creating public art projects including proposal writing, model building, oral presentations and

fabrication. The large-scale sculptures are displayed throughout campus during the final weeks of the spring semester, including commencement. Critiques, field trips and writing assignments. Text book required. Laboratory fee due at time of registration.

Prerequisite(s): ARTS 436, or consent of instructor.

Typically Offered Spring Only **May Be Repeated** May be repeated.

Grading: OPT

ARTS 440 - Advanced Etching and Woodcut

Unit(s): 3 Advanced studio problems in relief and intaglio printmaking methods, including relief, engraving, photo-engraving, monotype, and etching.

Prerequisite(s): ARTS 340.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 12 units. Laboratory fee payable at registration.

Grading: OPT

ARTS 442 - Advanced Lithography

Unit(s): 3 Advanced studio work in the lithography medium. Work with images on stone or metal plates involving black and white and some color processes, printing of limited editions and single proofs. Lecture, demonstration, and laboratory work.

Prerequisite(s): ARTS 342.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to a maximum of 12 units. Laboratory fee payable at time of registration.

Grading: OPT

ARTS 457 - Advanced Photography

Unit(s): 3 Advanced Photography focuses on the development and resolution of a cohesive body of work for use in online and print portfolios. Lab fee payable at time of registration.

Prerequisite(s): ARTS 310 or consent of Photography Director or Department chair

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ARTS 458 - Advanced Media Arts

Unit(s): 3 Advanced Media Arts is a studio course that introduces concepts and techniques of contemporary extended photographic practice, including basic video, installation and experimental art techniques as well as cross-disciplinary possibilities and contextual issues in the presentation of art works. Lab fee payable at time of registration.

Prerequisite(s): ARTS 310 or consent of Photography Director or Department Chair

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ARTS 465 - B.F.A. Seminar

Unit(s): 1-4 A studio seminar class designed specifically for B.F.A. students. Advanced topics in art and aesthetics will be examined through selected readings, writing, and discussion. In-depth critiques of each student's work will be held. B.F.A. students only.

Typically Offered Fall & Spring

Grading: GRD

ARTS 466 - B.F.A. Portfolio Artists' Practices

Unit(s): 3 Professional issues will be addressed in the preparation and presentation of a B.F.A. exhibition that will be reviewed and critiqued by the studio faculty. Students will be expected to give an oral defense of their work, prepare a statement, a curriculum vitae, and document their work in preparation for graduation. B.F.A. students only.

Typically Offered Fall Only

Grading: GRD

ARTS 470 - Art: Theory and Practice

Unit(s): 2-4 Advanced seminar course combining lecture/activity. Emphasis placed on development of proposals for works of art, in response to slide lectures and assigned readings, and exploration of new methods and materials outside student's usual medium. Participation in group critiques is an essential element of course. Lab fee.

Prerequisite(s): instructor(s) consent.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 482 - Advanced Monotype

Unit(s): 3 An advanced studio course emphasizing single and multiple images derived from a variety of original sources, including painting, hand-painted prints, chine colle, and multiple manipulated prints. Up to 3 upper-division units may be applied toward a printmaking or painting emphasis. Laboratory fee payable at registration.

Prerequisite(s): ARTS 382.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 491 - Visiting Artists' Lecture Series

Unit(s): 1 The Visiting Artist Lecture Series is a Credit / No Credit course, which brings prominent contemporary artists to Sonoma State University to present their creative and scholarly work on a weekly basis. Class discussions will occur on weeks a speaker is not scheduled. Attendance to all lectures is mandatory and a paper is required at the end of the semester to receive course credit.

GE Category: Satisfies GE, category C1 (Fine Arts).

Typically Offered Fall & Spring **May Be Repeated** This course may be repeated for credit but only 1 unit of C1 credit will be awarded.

Grading: CNC

ARTS 495 - Special Studies

Unit(s): 1-4 For upper-division Art majors only. Consult department faculty in your area of emphasis. The University contract form with required signatures of student, instructor, faculty advisor, and department chair must be completed before registering for special studies units.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

ARTS 496 - Directed Field Research Experience

Unit(s): 1 Travel to galleries and museums in various North American cities. Individual and group participation required. Destinations vary; consult semester schedule for specifics.

Prerequisite(s): major status and advanced standing or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated and may be applicable to

requirements in the major. Fee required at time of registration.

Grading: CNC

ARTS 497 - Directed Field Research Experience

Unit(s): 1-4 Travel to various destinations, which vary depending on type of field research being offered; consult semester schedule for specifics. Students will be responsible for a field research project(s), based on the trip. Fee required at time of registration.

Prerequisite(s): major status and advanced standing or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ARTS 498 - Selected Topics in Art Studio

Unit(s): 1-4 A studio course dealing with intensive study of a particular art topic, which may vary by semester.

Prerequisite(s): major status, advanced standing, and instructor consent.

Typically Offered Fall & Spring **May Be Repeated** May be repeated and applicable to requirements for a major in Art. Consult advisor and department chair.

Grading: OPT

ARTS 499 - Internship

Unit(s): 1-4 Students in the internship program will have an opportunity to gain practical skills by working in a variety of gallery and museum situations in the private and public sectors. Credit will be given for completion of 3 hours of work per week, per unit, by prior arrangement with department coordinator.

Prerequisite(s): consent of instructor. A-F or Cr/NC.

Typically Offered Fall & Spring **May Be Repeated** Course may be repeated for credit.

Grading: OPT

Astronomy

ASTR 100 - Descriptive Astronomy

Unit(s): 3 **Lecture:** 3 hours A survey designed primarily for non-science majors, including an introduction to historic astronomy, Newton's Laws, gravitation, atomic structure, light, and telescopes. Take a tour of the solar system, learn about space flight, stars and stellar

evolution, galaxies, and the structure of the universe.

GE Category: Satisfies GE, Area B1 or B3 (Physical Sciences).

Typically Offered Fall & Spring

Grading: OPT

ASTR 150 - Astronomy for Scientists

Unit(s): 3 Lecture: 3 hours A survey of astronomy designed primarily for science majors, this course presents the physics and mathematics underlying modern astronomy. The course covers the composition and nature of the universe - from our own solar system, to stars and stellar evolution, interstellar matter, galaxies, and clusters of galaxies.

Prerequisite(s): Pre or Co-requisite: MATH 160, MATH 161 or MATH 161X, or consent of instructor.

GE Category: Fulfills GE Area B1 or B3.

Typically Offered Fall Only

Grading: GRD

ASTR 231 - Introduction to Observational Astronomy

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours Principles of astronomical measurement techniques with field and laboratory studies of astronomical objects. Identification of constellations; astronomical coordinates; use of the telescope; and techniques in imaging, photometry, and spectroscopy.

Prerequisite(s): previous or concurrent enrollment in ASTR 100.

GE Category: Satisfies GE, Area B1 or B3 (Physical Sciences) and GE laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

ASTR 303 - Life in the Universe

Unit(s): 3 Lecture: 3 hours An appraisal of possibilities and prospects for life in the Universe. Topics covered: nature of life, habitability of Earth and other Solar System worlds, detection of exoplanets, the search for life beyond Earth, space travel. Emphasis on the scientific method, especially the development of theories founded in observations and evidence.

Prerequisite(s): ASTR 100 or another course in Astronomy.

GE Category: Satisfies GE, category B3 (Specific

Emphasis in Natural Sciences).

Typically Offered Fall Only

Grading: OPT

ASTR 305 - Frontiers in Astronomy

Unit(s): 3 Lecture: 3 hours A survey of recent breakthroughs in astronomy and how they are made: the discovery of planets orbiting other stars; the explosive deaths of stars creating neutron stars and black holes; and the origin and fate of the Universe, including the search to understand dark matter and dark energy.

Prerequisite(s): ASTR 100 or another course in Astronomy.

GE Category: Satisfies GE, Area B3 (Specific Emphasis in Natural Sciences).

Typically Offered Fall & Spring

Grading: OPT

ASTR 331 - Astronomical Imaging

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours An introduction to the methods and techniques of astronomical imaging. The course will offer a practical approach to using charged-coupled device (CCD) detectors and computer-controlled telescopes to obtain images of the moon, planets, stars, and nebulae. Topics include telescope control, planning observing programs, identifying astronomical objects, determining image sizes and exposure times, and image processing techniques.

Prerequisite(s): ASTR 100 and either ASTR 231 or PHYS 114. Or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ASTR 350 - Cosmology

Unit(s): 3 Lecture: 3 hours A survey of what we know about the Universe and how scientists have learned it. Topics include the Big Bang, cosmic inflation, surveys of galaxies, the origin and evolution of structure in the Universe, dark matter, and dark energy.

Prerequisite(s): ASTR 100.

GE Category: Satisfies GE Area B3 (Specific Emphasis in Natural Sciences).

Typically Offered Spring Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ASTR 380 - Astrophysics: Stars

Unit(s): 3 Lecture: 3 hours A quantitative study of the structure and evolution of stars, including stellar interiors and atmospheres, nucleosynthesis and late stages of stellar evolution.

Prerequisite(s): PHYS 314 and MATH 211.

Typically Offered Variable Intermittently

Grading: OPT

ASTR 390 - Astrophysics: Galaxies and Cosmology

Unit(s): 3 Lecture: 3 hours A quantitative study of: the nature of galaxies, their formation and evolution; the extragalactic distance scale; the structure of the Universe; active galaxies; cosmology and the early Universe.

Prerequisite(s): PHYS 314 and MATH 211.

Typically Offered Variable Intermittently

Grading: GRD

ASTR 396 - Selected Topics in Astronomy

Unit(s): 1-3 Lecture: 1-3 hours A course of lectures on a single topic or set of related topics not ordinarily covered in the Astronomy curriculum.

Prerequisite(s): consent of instructor.

Typically Offered Not Recently Offered **May Be**

Repeated The course may be repeated for credit with a different topic.

Grading: OPT

ASTR 482 - Advanced Observational Astronomy

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours A study of advanced observing techniques including imaging and spectroscopy. Emphasis on the use of telescopes, instrumentation, and data processing including photometry and astrometry. Discussion of techniques across the electromagnetic spectrum. Statistical treatment of data and error analysis.

Prerequisite(s): ASTR 231, or PHYS 214 or PHYS 210B, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ASTR 492 - Instructional Design Project

Unit(s): 2 A directed project to develop at least one laboratory experiment and/or classroom activity that teaches basic concepts in undergraduate Astronomy. Both written and oral presentations (including a demonstration of the experiment or activity) will be required.

Prerequisite(s): PHYS 214 and PHYS 216 or PHYS 210B and PHYS 209B; ASTR 231.

Typically Offered Fall & Spring

Grading: GRD

ASTR 495 - Special Studies

Unit(s): 1-4 The Department of Physics and Astronomy encourages independent study and considers it to be an educational undertaking. Students wishing to enroll for special studies are required to submit to their supervising faculty members proposals which outline their projects and exhibit specific plans for their successful completion.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

ASTR 497 - Undergraduate Research in Astronomy

Unit(s): 2 Supervised research in an area of astronomy that is currently under investigation by one or more members of the Physics and Astronomy Department's faculty.

Prerequisite(s): junior-standing and consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

Biology

BIOL 110 - Biological Inquiry

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours A factual and conceptual exploration of the living world through presentation, student inquiry, and laboratory exercises. Topics include the bases of life; organization of living systems, from molecules to ecosystems, and their interactions; and genetics, evolution, and ecology.

Prerequisite(s): Students not in Biology major.

GE Category: Satisfies GE, Area B2 and the GE laboratory science requirement.

Typically Offered Fall & Spring

Grading: OPT

BIOL 115 - Introduction to Biology

Unit(s): 3 Lecture: 3 hours The unifying concepts of biology. Topics include the chemical and physical basis of life; cellular structure and function; molecular and Mendelian genetics; reproduction, development, structure, and function of representative plants and animals; and evolution and ecology.

Prerequisite(s): Students not in Biology major.

GE Category: Satisfies GE, Area B2.

Typically Offered Fall & Spring

Grading: OPT

BIOL 130 - Introductory Cell Biology and Genetics

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours One of two courses in the lower-division series required of biology majors. Provides an introduction to structure, molecular processes and physiology of cells, as well as mechanisms of inheritance and evolution.

GE Category: Satisfies GE, category B2 and GE lab requirement.

Typically Offered Fall & Spring

Recommended Concurrent enrollment in CHEM 115A is recommended.

Grading: GRD

BIOL 131 - Biological Diversity and Ecology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours One of two courses in the lower-division series required for biology majors. Introduces the extraordinary diversity of life, evolutionary relationships between groups of organisms, and principles of ecology.

GE Category: Satisfies GE category B2 and GE lab requirement.

Typically Offered Fall & Spring

Grading: GRD

BIOL 220 - Human Anatomy

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours Survey of the body systems. Designed for pursuing careers in the allied health professions.

Prerequisite(s): BIOL 110 or BIOL 115 or BIOL 130 and BIOL 131.

GE Category: Satisfies GE, Area B3 and the GE laboratory requirement.

Typically Offered Fall & Spring

Grading: OPT

BIOL 224 - Human Physiology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours An integrated examination of the human body as an efficient system maintained by a complex of interacting, homeostatic mechanisms. Includes fundamental principles of function of major organ systems. Designed for those pursuing careers in the allied health professions.

Prerequisite(s): BIOL 110 or BIOL 115 or BIOL 130 and BIOL 131 and CHEM 115A/CHEM 115B or CHEM 125A/CHEM 125B or CHEM 110 or CHEM 105.

GE Category: Satisfies GE Area B3 and the GE laboratory requirement.

Typically Offered Fall & Spring

Grading: OPT

BIOL 240 - General Microbiology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours Fundamental concepts and general principles of cell structure and function; classification and diversity of microorganisms; biochemical processes; genetic basis of microbial growth and evolution; immunology, and the interactions between microbes and the human host will be emphasized. Designed for those pursuing careers in the allied health professions.

Prerequisite(s): BIOL 110 or BIOL 115 or BIOL 130 and BIOL 131, and CHEM 115A/CHEM 115B or CHEM 105.

Typically Offered Spring Only

Grading: OPT

BIOL 308 - Environmental Toxicology

Unit(s): 3 Lecture: 3 hours Information needed to formulate a philosophy of chemical use: the nature of the interaction of toxicants and living organisms; categories of toxicological activity; toxicological evaluation and environmental monitoring; and governmental regulations and procedures.

Prerequisite(s): BIOL 110, BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area B3.

Typically Offered Not Recently Offered

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

BIOL 309 - Biology of Cancer

Unit(s): 3 Lecture: 3 hours Biological, clinical, environmental, and psychosocial aspects of cancer explored through the perspectives of medical researchers, physicians, patients, and health educators. This lecture series is intended for students of all majors, for those in the health professions, and for the general public. It is designed so that everyone (regardless of scientific background) will benefit.

Prerequisite(s): BIOL 110 or BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area B3.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

BIOL 311 - Sexually Transmitted Diseases

Unit(s): 3 Lecture: 3 hours Biological, environmental, societal, and psychosocial aspects of sexually transmitted diseases.

Prerequisite(s): BIOL 110 or BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area B3.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

BIOL 312 - Biological Oceanography

Unit(s): 3 Lecture: 3 hours An introduction to the worlds oceans with emphasis on the way in which their physical properties support life.

Prerequisite(s): BIOL 110 or BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE category B3.

Typically Offered Fall Only

Grading: OPT

BIOL 314 - Field Biology

Unit(s): 4 Lecture: 3 hours **Fieldwork:** 3 hours A course emphasizing plant and animal communities of Northern California.

Prerequisite(s): BIOL 110 or BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area B3 and GE laboratory requirement.

Typically Offered Variable Intermittently

Grading: OPT

BIOL 318 - Biology of Aging

Unit(s): 3 Lecture: Lecture 3 hours Examines the biological processes occurring in a cumulative fashion in the course of human senescence, including the medicinal and social consequences.

Prerequisite(s): BIOL 110, BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area E.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Hybrid. **Grading:** OPT

BIOL 320 - Ecology and Evolution - An Integrated Approach

Unit(s): 4 Lecture: 3 hours **Discussion:** 1 hour An integrated overview of ecological and evolutionary processes focusing on the origins and functioning of biodiversity from genes to ecosystems. Discussions complement lectures with quantitative and written exercises to strengthen knowledge and understanding. One of a two-semester sequence satisfying the upper division core in the Biology major.

Prerequisite(s): BIOL 130 and BIOL 131.

Typically Offered Fall Only

Grading: GRD

BIOL 321 - Molecular Biology, Cell Biology & Physiology

Unit(s): 4 Lecture: 3 hours **Discussion:** 1 hour An integrated overview of the key principles of molecular biology, cell biology and organismal physiology with an emphasis on regulatory mechanisms. Discussions complement lectures with quantitative and written exercises to strengthen knowledge and understanding of concepts covered in lecture. Second of a two-semester sequence satisfying the upper division core in the Biology major.

Prerequisite(s): All majors except BIOCHEM: BIOL 130 and BIOL 131, MATH 161 or MATH 165, CHEM 115A or CHEM 125A and completion or concurrent enrollment in CHEM 115B or CHEM 125B. BIOCHEM majors: BIOL 130, MATH 161 or MATH 165, CHEM 115A or CHEM 125A and completion or concurrent enrollment in CHEM 115B or CHEM 125B.

Typically Offered Spring Only
Grading: GRD

BIOL 322 - Invertebrate Biology

Unit(s): 4 **Lecture:** 3 hours **Fieldwork:** 3 hours
Exploration of the systematics, functional morphology, behavior, and ecology of invertebrates.

Prerequisite(s): BIOL 130 and BIOL 131 required.
Typically Offered Fall Only
Grading: GRD

BIOL 323 - Entomology

Unit(s): 4 **Lecture:** 3 hours **Fieldwork:** 3 hours A comprehensive foundation in the biology of insects, with emphasis on ecology, behavior, evolution, and classification. Includes field experiences, service learning and development of an insect collection.

Prerequisite(s): BIOL 130 and BIOL 131.
Typically Offered Spring Only
Grading: GRD

BIOL 324 - Biology of Marine Mammals

Unit(s): 3 Introduction to the biology of marine mammals, emphasizing evolutionary history, physiology, behavior, ecology, and conservation, with a focus on various factors that influence foraging and reproductive strategies, as well as on the evolution of social systems.

Prerequisite(s): BIOL 130 and BIOL 131.
Typically Offered Spring Even Years
Grading: GRD

BIOL 325 - Molecular and Cellular Lab Techniques

Unit(s): 1 **Laboratory:** 3 hours The course focuses on fundamental hands-on skills used in a molecular and cellular laboratory. In addition emphasis is placed on quantitative aspects of laboratory work as well as data interpretation and scientific writing.

Prerequisite(s): Completion or concurrent enrollment in BIOL 321 or consent of instructor.
Typically Offered Spring Only
Grading: GRD

BIOL 326 - Dinosaurs and Mesozoic Vertebrates

Unit(s): 3 **Lecture:** 3 hours The course will examine the rise and fall of the dinosaurs, arguably the most successful terrestrial vertebrates in the history of Earth. We will discuss their evolutionary history and place among the vertebrates, as well as look at the other animals and plants that they shared the Mesozoic world with.

Prerequisite(s): BIOL 130 and BIOL 131.
Typically Offered Fall Odd Years
Grading: GRD

BIOL 327 - Vertebrate Biology

Unit(s): 4 **Lecture:** 3 hours **Fieldwork:** 3 hours
Exploration of the systematics, behavioral ecology, biogeography, evolution, and conservation biology of fish, amphibia, reptiles, birds, and mammals. At least one weekend field trip.

Prerequisite(s): BIOL 130 and BIOL 131; requires consent of instructor.
Typically Offered Spring Only
Grading: GRD

BIOL 328 - Vertebrate Evolutionary Morphology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours Trends in the evolution of structure and function in the vertebrates. This course focuses on morphological adaptations at the organ system level that have enabled vertebrates to diversify and succeed in a wide range of habitats and environments.

Prerequisite(s): BIOL 320.
Typically Offered Spring Only
Grading: GRD

BIOL 329 - Plant Biology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours An overview of plant biology, with focus on structure, function, reproduction, and evolution. Emphasis is on flowering plants, but a survey of all plant and plant-like organisms, both modern and extinct, is included.

Prerequisite(s): BIOL 130 and BIOL 131.
Typically Offered Fall Only
Grading: GRD

BIOL 330 - Plant Taxonomy

Unit(s): 4 **Lecture:** 3 hours **Fieldwork:** 3 hours An introduction to the principles and practices of plant

taxonomy, including approaches to classification, data analysis, and a survey of vascular plant families in the California flora. A minimum of two Saturday field trips is required.

Prerequisite(s): BIOL 130 and BIOL 131.

Typically Offered Spring Only

Grading: GRD

BIOL 332 - Marine Biology

Unit(s): 3 Lecture: 3 hours The biology of marine life is examined from an integrated and functional perspective. Near shore, open ocean, and deep sea environments will be covered. Topics include factors that affect marine ecosystems, the relationship between physical processes and biological communities, and the physiology and behavior of marine organisms.

Prerequisite(s): BIOL 130 and BIOL 131.

Typically Offered Fall Odd Years

Grading: GRD

BIOL 333 - Ecology

Unit(s): 4 Lecture: 3 hours **Fieldwork:** 3 hours A current overview of this field, with in-depth coverage of ecology at the population, community, and ecosystem level. Emphasis on diverse taxa and habitats, hypothesis testing, and data collection and analysis.

Prerequisite(s): BIOL majors: BIOL 320 and MATH 165; ENSP/GEP Majors: ENSP 322/GEP 341 and MATH 165, GEP 202, or ECON 217.

Typically Offered Fall Only

Grading: GRD

BIOL 335 - Marine Ecology

Unit(s): 4 Lecture: 3 hours **Fieldwork:** 3 hours An overview of current topics in marine ecology and conservation with emphasis on ecology of coastal ecosystems. Extensive focus on field and laboratory research projects. Includes experimental design, data analysis, and presentation. At least three 5-hour field trips outside of scheduled class time.

Prerequisite(s): BIOL majors: BIOL 320 and MATH 165; ENSP/ GEP Majors: ENSP 322/GEP 341 and MATH 165, GEP 202, or ECON 217.

Typically Offered Spring Only

Grading: GRD

BIOL 337 - Behavioral Ecology

Unit(s): 3 Lecture: 3 hours **Fieldwork:** 3 hours

Examines the evolution and function of the behavior of animals. Explores topics such as social behavior, mating systems, reproductive strategies, foraging, and communication with emphasis on techniques for formulating and testing hypotheses.

Prerequisite(s): BIOL 130, 131 and 320 or ENSP 322/GEP 341.

Typically Offered Spring Odd Years

Grading: GRD

BIOL 338 - Environmental Microbiology and Biotechnology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours

Examines microbial ecology and diversity along with biotechnological applications of microbes in agriculture, wastewater treatment, bioremediation, and biofuel production.

Prerequisite(s): BIOL 130 and BIOL 131 and CHEM 115A/CHEM 115B, or consent of instructor.

Typically Offered Spring Only

Grading: GRD

BIOL 340 - General Bacteriology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours

An introduction to the Bacteria and Archaea covering cell structure, metabolic diversity, interactions with other organisms, and pivotal roles in biogeochemical cycling. Laboratory projects develop skills essential for studies of bacteria.

Prerequisite(s): BIOL 321, BIOL 325 and CHEM 335A.

Typically Offered Fall Only

Grading: GRD

BIOL 341 - Evolution

Unit(s): 4 Lecture: 3 hours **Fieldwork:** 3 hours

A broad examination of the patterns and processes involved in the evolution of life on earth. Includes inquiry into the origin of life, microevolutionary processes, systematics, and large-scale evolutionary history.

Prerequisite(s): BIOL 320.

Typically Offered Fall Only

Grading: GRD

BIOL 342 - Molecular Genetics

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours Gene structure and function at the level of DNA, RNA, and protein interactions. Emphasis on molecular analytical techniques used for genetic analysis in a diversity of prokaryotic and eukaryotic organisms.

Prerequisite(s): BIOL 321, BIOL 325 and CHEM 335A.

Typically Offered Fall Only

Grading: GRD

BIOL 344 - Cell Biology

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours An introduction to structural and molecular organization of eukaryotic cells and tissues. Specific topics will represent the central core of cell biology and are concerned mainly with those properties that are common to most eukaryotic cells.

Prerequisite(s): BIOL 321, BIOL 325 and CHEM 335A .

Typically Offered Fall Only

Grading: GRD

BIOL 347 - Environmental Physiology

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours Course examines the adaptations and physiological responses that allow animals to live under widely different environmental conditions. Laboratory and field exercises will utilize modern techniques of physiological measurement to examine adaptive strategies among and between species in different environmental conditions.

Prerequisite(s): BIOL 320 and BIOL 321.

Typically Offered Fall Only

Grading: GRD

BIOL 348 - Plant Physiology

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours Concepts and principles of plant function. The following areas are investigated in detail: photosynthesis, water relations, mineral nutrition, and plant growth regulation.

Prerequisite(s): BIOL 320 and 321

Typically Offered Not Recently Offered

Grading: GRD

BIOL 349 - Animal Physiology

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours

Principles and concepts of animal function, with emphasis on cellular and biochemical/molecular bases of physiological activities in tissues and organ systems, environmental adaptations, and comparative homeostatic mechanisms.

Prerequisite(s): All majors except BIOCHEM: BIOL 320 and BIOL 321. BIOCHEM majors: BIOL 321

Typically Offered Spring Only

Grading: GRD

BIOL 350 - Plant Physiological Ecology

Unit(s): 4 Lecture: 3 hours Laboratory: 3 hours Investigation of the physiological processes of plants that contribute to understanding their ecological distribution and evolutionary success. Examination of environmental effects on survival within the context of climate change, conservation biology, etc.

Prerequisite(s): BIOL 130 and BIOL 131, and completion or concurrent enrollment in BIOL 321.

Typically Offered Spring Only

Grading: GRD

BIOL 351 - Climate Change Biology

Unit(s): 4 Lecture, 3 hours; laboratory 3 hours.

Exploration of nature's response to climate change. Since the biology of climate change is becoming increasingly well understood, from present observations to models of future change, this course examines biological changes in response to climate and emerging conservation strategies. Topics include species' range shifts, phenology, ecosystem ecology, modeling, and management.

Prerequisite(s): BIOL 130 and 131, and completion or concurrent enrollment in BIOL 320. **Co-requisite(s):** BIOL 320.

Typically Offered Fall & Spring

Grading: GRD

BIOL 380 - Genetic Basis of Human Diseases

Unit(s): 3 Lecture, 3 hours. This course examines how mutations or epigenetic changes in the genome lead to various disease states. Particular emphasis will be placed on genetic inheritance, polymorphisms within populations, mechanisms leading to disease, treatment approaches, and ethical considerations.

Prerequisite(s): BIOL 321

Typically Offered Fall Odd Years

Grading: GRD

BIOL 383 - Virology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours The study of viruses: their characteristics, classification, genetics, and host-parasite interactions. Emphasis will be placed on the molecular mechanisms viruses use to replicate and how this can affect the host.

Prerequisite(s): BIOL 321, BIOL 325 and CHEM 335A.

Typically Offered Spring Only

Grading: GRD

BIOL 385 - Contemporary Issues in Biology

Unit(s): 3 Lecture: 3 hours Selected topics related to the quality of life and the search for perspectives on the future.

Prerequisite(s): BIOL 110, BIOL 115, or BIOL 130 and BIOL 131.

GE Category: Satisfies GE Area B3 (Specific Emphasis in Natural Sciences).

Typically Offered Not Recently Offered

Grading: OPT

BIOL 390 - Biology Colloquium

Unit(s): 1 Lecture: 1 hour Presentations by visiting scholars, departmental faculty, and master's degree candidates on current research and contemporary issues in biology.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit. All majors are encouraged to enroll each semester, although no more than 2 units are applicable to the Biology major.

Grading: CNC

BIOL 393 - Independent Study in Biology

Unit(s): 1-3 Opportunity for independent research or special projects under the supervision of a Biology faculty member, for developing competency in biological research methods.

Prerequisite(s): approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a total of 4 units.

Grading: GRD

BIOL 398 - Non-Majors Teaching Practicum

Unit(s): 1-3 Application of prior knowledge towards supervised instructional experience in biology courses. Intended for professional growth and lifelong learning for non-major undergraduates in biology.

Prerequisite(s): prior completion of the course for which instructional assistance is to be provided, with a grade of B or better, consent of the instructor, and an approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a total of 4 units.

Grading: CNC

BIOL 463 - Herpetology

Unit(s): 4 Lecture: 3 hours **Fieldwork:** 3 hours Classification, functional and evolutionary morphology, environmental physiology, and ecology of reptiles and amphibians. Includes at least one weekend field trip.

Prerequisite(s): BIOL 327 or 328.

Typically Offered Spring Only

BIOL 472 - Developmental Biology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours Patterns of animal development. This course is designed to provide students with a comprehensive appreciation of the developmental process, presenting detailed descriptions of developmental mechanisms along with a conceptual framework for understanding how development occurs.

Prerequisite(s): BIOL 321 & CHEM 335A.

Typically Offered Fall Only

Grading: GRD

BIOL 480 - Immunology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours The cellular and molecular basis of the immune response; topics include innate and adaptive immunity, hypersensitivity, autoimmunity, and cancer immunology.

Prerequisite(s): BIOL 342 or BIOL 344 or BIOL 383 or BIOL 472 and CHEM 335A.

Typically Offered Fall Only

Grading: GRD

BIOL 484 - Applied Bioinformatics

Unit(s): 4.00 3 hours lecture and 3 hours lab. An introduction to web based and command line tools developed for the analysis of DNA, RNA and protein sequences. Emphasis is placed on the application of computational tools and approaches for the analyses of biological datasets that are available from a variety of open source databases. Students will gain hands-on experience performing data analyses such as multiple sequence alignments, genome browsing, visualization of phylogenetic relationships, and modeling of protein structure.

Prerequisite(s): Prerequisite: BIOL 321

Typically Offered Fall Only

Grading: GRD

BIOL 485 - Biometry

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours
Introduces students to quantitative analysis of biological data. The nature of biological data, principles of experimental design, and essential statistical tools used by biologists to analyze their results. Examples used in the course will be drawn from physiology, ecology, evolution, and medicine. Laboratory sections will involve computer exercises, discussions, and student presentations.

Prerequisite(s): BIOL 320 or 130/131 and MATH 165 or 165B

Typically Offered Fall Only

Grading: GRD

BIOL 490 - Research Experience in Biology

Unit(s): 3 **Lecture:** 1 hour **Fieldwork:** 6 hours
An intensive course designed to provide students training and experience in biological research on topics within faculty area of expertise. Throughout the semester, students will address research questions and generate new knowledge through scientific literature review, hypothesis development, experimental design, data generation and analysis, and presentation of results in scientific format.

Prerequisite(s): Upper division standing in biology and consent of instructor.

Typically Offered Spring Only

Grading: GRD

BIOL 494 - Independent Research

Unit(s): 1-3 Directed study, under the guidance of a Biology faculty member, to design and conduct a research project in biology, including readings in the primary

literature and application of information from relevant upper-division course work. Results must be given in a written report or presented in a public forum.

Prerequisite(s): upper division standing in the major and approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a total of 4 units.

Grading: GRD

BIOL 495 - Special Studies

Unit(s): 1-4 Investigations to meet an advanced specialized study need beyond the department curriculum. The project should be planned and described in written form with consent of the faculty sponsor.

Prerequisite(s): majors or minors in Biology, upper-division standing with a cumulative GPA of 3.0, and approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

BIOL 496A - Honors Thesis I

Unit(s): 1-2 Experimental or observational research for the B.S. degree conducted under the supervision of one or more of the biology faculty members.

Prerequisite(s): senior-standing in the major with a minimum GPA of 3.0 and an approved application.

Typically Offered Fall & Spring

Grading: GRD

BIOL 496B - Honors Thesis II

Unit(s): 2-3 Completion of research for the B.S. degree conducted under the supervision of one or more biology faculty members. A research paper summarizing the results is required.

Prerequisite(s): senior-standing in the major and completion of BIOL 496A.

Typically Offered Fall & Spring

Grading: GRD

BIOL 497 - Selected Topics

Unit(s): 1-4 Intensive study of biological topics, which will vary from semester to semester.

Prerequisite(s): BIOL 130 and BIOL 131 or consent of

instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit and may be applicable to the requirements for a major in Biology.

Grading: OPT

BIOL 498 - Biology Practicum

Unit(s): 1-4 Application of previously studied theory through supervised instructional work experience in biology courses. Intended for professional growth and lifelong growth for undergraduates. Enrollees are required to write an evaluation of their course experience.

Prerequisite(s): upper division standing in Biology, consent of the instructor in whose course the student will be working, and an approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a total of 4 units.

Grading: CNC

BIOL 499 - Internship in Biology

Unit(s): 1-4 Work that provides training in the use of biological skills in the community. Requires written agreement by students, faculty sponsor, on-the-job supervisor, and field experience coordinators; please see department office for details.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to 7 units of credit; 3 hours per week for each unit. Cr/NC grading only.

Grading: CNC

BIOL 500S - Graduate Seminar

Unit(s): 1-2 Advanced seminars exploring diverse topics in biological sciences. Topics vary from semester to semester, depending on faculty interest and expertise.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit.

Grading: OPT

BIOL 501 - Instructional Skills in Biology

Unit(s): 2.00 Seminar. This course will explore pedagogical and classroom management techniques associated with teaching lower division biology to undergraduates. Participants will discuss strategies for addressing a variety of topics in laboratory or discussion section settings in biology.

Typically Offered Fall Only

Grading: GRD

BIOL 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator. Cr/NC grading only.

Typically Offered Fall & Spring

Grading: CNC

BIOL 590 - Biology Colloquium

Unit(s): 1 **Lecture:** 1 hour A series of lectures by faculty, master's degree candidates, and invited guests on current research and contemporary issues in biology. All graduate students are encouraged to enroll each semester, although no more than 2 units are applicable to the M.S. degree.

Typically Offered Fall & Spring

Grading: CNC

BIOL 595 - Special Studies in Biology

Unit(s): 1-3 Investigations to meet highly specialized needs and to explore possible thesis topics. Project should be planned and described in writing with consent of faculty sponsor.

Prerequisite(s): approved petition to enroll.

Typically Offered Fall & Spring

Grading: OPT

BIOL 598 - Graduate Practicum

Unit(s): 1-4 Application of previously studied theory to development and delivery of new instructional materials. Intended to provide professional growth for graduate students. Enrollees are required to write an evaluation of their course experience.

Prerequisite(s): graduate standing in Biology, consent of the instructor in whose course the student will be working, and an approved petition to enroll.

Typically Offered Fall & Spring

Grading: OPT

BIOL 599 - M.S. Thesis

Unit(s): 1-3 Original investigation based on laboratory or field research that meets the department and University standards.

Prerequisite(s): admission to classified standing and advancement to candidacy.

Typically Offered Fall & Spring

Grading: OPT

Business Administration

BUS 150 - Business and Society

Unit(s): 3 A survey of the major fields of management, designed to introduce students to the range of perspectives available in the discipline. Topics will include: accounting, finance, general management, health care management, human resources management, industrial relations, marketing, multinational management, organizational behavior, and systems analysis.

Typically Offered Not Recently Offered

Grading: GRD

BUS 211 - Business Statistics

Unit(s): 4 BUS 211 is an introduction to business statistics in practice. The course focuses on application of statistical methods, interpretation of statistical data, making statistical inferences, and how to use statistical data to aid in decision making or problem solving. Upon successful completion of the course, students would have gained an understanding of a statistician's role and skills in formulating coherent questions, gathering data pertinent to those questions, and addressing those questions using statistical procedures.

Prerequisite(s): Students need to be GE Math ready to register for this course.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 225 - Legal Environment of Business

Unit(s): 4 A study of the legal and ethical framework within which management decisions are made. The course emphasizes the sources, functions, and processes of law. It surveys a number of areas, including negligence, contracts, product liability, and constitutional law, and reviews

government regulations in the areas of consumer protection, antitrust, labor, and employment law.

Typically Offered Fall & Spring

Grading: GRD

BUS 230A - Financial Accounting

Unit(s): 4 A foundation course designed to provide a basic understanding of the theory and practice of accounting, with emphasis upon basic principles, concepts, and controls in relation to external reporting.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 230B - Managerial Accounting

Unit(s): 4 A foundation course designed to provide a basic understanding of the theory and practice of accounting, with emphasis upon basic principles, concepts, and controls in relation to internal reporting.

Prerequisite(s): BUS 230A.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 270 - Personal Financial Planning

Unit(s): 3 This course provides comprehensive coverage of personal financial planning in the areas of money management, career planning, taxes, consumer credit, housing and other consumer decisions, legal protection, insurance, investments, retirements, retirement planning, and estate planning. This course may not be used in the business major.

Typically Offered Not Recently Offered

Grading: OPT

BUS 290 - Sponsored Corporate Training

Unit(s): 2 BUS 290 is designed for a situation in which a corporation will accept a volunteer into their unpaid "internship" program only if the student is enrolled at a university in conjunction with the corporate experience. Programs so offered do not meet department standards for internships, and do not qualify for 499 credit. BUS 290 may be used as free elective units only.

Typically Offered Fall & Spring

Grading: CNC

BUS 296 - Instructor-Initiated Research Project

Unit(s): 1-4 This course is designed to provide students the opportunity to participate in faculty sponsored research or study projects. It permits the student to pursue an area of interest that s/he would like to develop in close consultation with a faculty member.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 7 times for a total of 16 units.

Grading: CNC

BUS 299 - Work Experience

Unit(s): 2-4 Developed for students seeking an internship like experience but lacking the requisite academic experience for BUS 499, Internship.

Typically Offered Fall & Spring

Grading: CNC

BUS 305W - Introduction to Wine Business

Unit(s): 4 An introduction to wine business principles and strategies applicable to the growing of grapes and the making, distribution, and marketing of wine. Additional topics include organizational, human resource, family business and financial management, government regulation, and social responsibility. For students not familiar with wine industry terminology, BUS 305W is recommended prior to enrollment in wine concentration or wine focus classes.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: GRD

BUS 316 - Operations and Supply Chain Management

Unit(s): 4 Operations and Supply Chain Management is the study of the processes, principles, and procedures required for the manufacturing of goods as well as the provision of goods and services. This includes total quality management concepts such as statistical process control; forecasting methods to determine sales and production needs; inventory management techniques such as economic order quantity, material requirements planning, and just-in-time; supply chain management; logistics;

business processes; and project management.

Prerequisite(s): Course restricted to Business

Administration majors or in RPPE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 319 - Introduction to MIS

Unit(s): 4 Study of characteristics of computer-based information systems in organizations. Topics include MIS theory, concepts and issues; systems analysis and design; database design using the relational database model; data communications and networks; and information systems deployed in various functional areas to support workgroup and organizational goals.

Prerequisite(s): Course restricted to Business

Administration majors or in RPPE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 320 - Business Data Analysis and Interpretation

Unit(s): 4 This course builds upon knowledge acquired from lower-division Statistics coursework. It exposes students to the research and data analysis practices executed in the business world. Students will learn methods of research design, conduct research, and critically analyze data for making informed business decisions. Application of computer software packages is required. Prerequisites: completion of all Pre-Business requirements.

Prerequisite(s): Course restricted to Business

Administration majors or in RPPE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 330A - Intermediate Accounting

Unit(s): 4 The course covers financial accounting topics related to the income statement, balance sheet, and statement of cash flows. Topics include accounting for recognition, measurement and disclosure of cash, receivables, inventories, property, plant, equipment,

intangible assets and investments.

Prerequisite(s): Course restricted to Business Administration Majors or Student Group RPPE.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 330B - Intermediate Accounting

Unit(s): 4 The course covers financial accounting topics related to the income statement, balance sheet, and statement of cash flows. Topics include accounting for recognition, measurement and disclosure of liabilities, pensions, accounting changes, leases, income taxes and stockholders' equity accounts.

Prerequisite(s): BUS 330A.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 334 - Accounting Information Systems

Unit(s): 4 This course will present a thorough introduction to basic information systems theory, provide a working knowledge of systems analysis and design techniques, and introduce several fundamental accounting information flow patterns. In addition, it will examine the need for adequate systems controls, risks inherent in the controls, and refined systems output to support management decision-making processes.

Prerequisite(s): Course restricted to Business Administration Majors or Student Group RPPE.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 335 - Ethical Reasoning in Accounting

Unit(s): 4 This course introduces students to ethical theory and its relevancy to accounting. It specifically covers topics such as the profession's code of conduct, fraud, earnings management, and international reporting. Students use cases and accounting situations to obtain practical experience in the application of these theories for decision making.

Prerequisite(s): BUS 330A. Course restricted to Accounting concentration only.

Typically Offered Fall Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 340 - Survey of Human Resource Management

Unit(s): 4 Comprehensive introduction to the management of human resources. Topics include assessing human resource needs, job analysis, recruitment and selection, orientation and training, performance evaluation, compensation and benefits, safety and health, career development, labor relations, and government regulation.

Prerequisite(s): Course restricted to Business Administration Majors or Student Group RPPE.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 344 - Organizational Behavior

Unit(s): 4 The role of the individual and of groups in the organization is examined. Attention is directed to individual level characteristics such as learning and personality, to processes that affect attitudes, perceptions and judgment, to applied theories of motivation, and to career development and stress. Further, the issues of group formation, organizational structure, leadership, and power and conflict are examined. Includes international, societal, and organizational issues and development of managerial skills.

Prerequisite(s): Course restricted to Business Administration majors or in RPPE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 350 - Management

Unit(s): 4 A management survey course will provide students with a framework for understanding the focus, function and relevance of specific disciplines in business administration. The course will illustrate the integrative nature of business organizations, exemplifying the interdependence of functional areas in pursuing organizational goals.

Prerequisite(s): Course restricted to Business Administration Majors or Student Group RPPE.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 360 - Introduction to Marketing

Unit(s): 4 Introduction to terminology and basic concepts, including product development; pricing; promotion and distribution of goods, services, and ideas. Emphasis is on consumer orientation and managing the marketing function within an uncertain environment. Marketing information systems and other marketing foundations are applied to the consumer.

Prerequisite(s): Course restricted to Business Administration majors or in RPRE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 361 - Marketing Graphics

Unit(s): 4 This course teaches students how to apply theories and concepts, from fields such as marketing, graphic design, and photography, to create marketing promotional materials using image editing software.

Prerequisite(s): BUS 360.

Typically Offered Fall Only

Grading: GRD

BUS 362 - Services Marketing

Unit(s): 4 This course is designed to acquaint the student with the principles of service marketing and their application in a variety of service sectors ranging from banking to hospital services. Services marketing theory and principles will be applied to a firm's strategic marketing planning and the development of its service operation process within the service industry. Specifically, the course encompasses a) developing a competitive service model, b) managing the customer interface, and c) implementing sustainable service marketing strategies. Course

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 364 - Sports Marketing

Unit(s): 4 This course examines the integration of product, pricing, promotion, distribution, sales, sponsorship, advertising and brand in the marketing and management of sporting teams/leagues/events and sporting goods. Also considers the use of sports by non-sports businesses to reach their target markets.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Grading: GRD

BUS 365 - Introduction to Hospitality and Event Management

Unit(s): 4 This course provides an overview of hospitality and event planning management, the industry, and its theoretical foundations. In addition, the course identifies the emerging issues related to hospitality and event management, such as social media and sustainability. Career development opportunities in the hospitality management and event planning industry will be discussed. The course also highlights the application of hospitality and event planning in the wine industry. Restricted to marketing and wine business concentrations only.

Prerequisite(s): Course restricted to Marketing and Wine Business Concentrations only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 366 - Retail Management

Unit(s): 4 Studies business activities that involve the sales of goods and services in the marketplace including retail institutions, merchandising, site selection, market information, and retail strategy and planning.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Grading: GRD

BUS 367 - Consumer Behavior

Unit(s): 4 Analysis of the cultural, social, and psychological factors that influence the consumer's decision-making processes, including learning, perception, information search and information processing, personality, lifestyle, motivation, and attitudes.

Prerequisite(s): BUS 360.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 368 - International Marketing

Unit(s): 4 Examines the marketing practices and customs, and the cultural, social, legal,, and ethical differences, of international markets. Emphasis on developing and adjusting the marketing mix of product, price, promotion, and distribution to compete in international settings.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently
Grading: GRD

BUS 370 - Introduction to Managerial Finance

Unit(s): 4 An introduction to the conceptual and analytical framework guiding financial decision-making within the business firm. Emphasis is placed on financial analysis, the evaluation of investment opportunities available to the firm, working capital management, and the analysis of alternative means of financing the firm.

Prerequisite(s): Course restricted to Business Administration majors or in RPPE student group, or are in the student group granted through Department requests.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 385 - Special Topics in Business Administration

Unit(s): 1-4 This course provides for the teaching of special topics in business administration. Consult your advisor regarding application to your concentration.

Prerequisite(s): Course restricted to Business Administration and Economics Majors only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated up to 3 times for a total of 8 units.

Grading: GRD

BUS 385A - Special Topics in Accounting

Unit(s): 3-4 This course provides for the teaching of special topics in business administration, accounting. Consult your advisor regarding application to your concentration.

Typically Offered Variable Intermittently
Grading: GRD

BUS 385F - Special Topics in Finance

Unit(s): 3-4 This course provides for the teaching of special topics in business administration, finance. Consult your advisor regarding application to your concentration.

Typically Offered Variable Intermittently
Grading: GRD

BUS 385MG - Special Topics in Management

Unit(s): 3-4 This course provides for the teaching of special topics in business administration, management. Consult your advisor regarding application to your concentration.

Prerequisite(s): Prerequisites: Restricted to BUS Admin majors and juniors and seniors.

Typically Offered Variable Intermittently
Grading: GRD

BUS 385MK - Special Topics in Marketing

Unit(s): 3-4 This course provides for the teaching of special topics in business administration, marketing. Consult your advisor regarding application to your concentration.

Prerequisite(s): Prerequisites: Restricted to BUS Admin majors and juniors and seniors.

Typically Offered Variable Intermittently
Grading: GRD

BUS 385W - Special Topics in Wine

Unit(s): 3-4 This course provides for the teaching of special topics in business administration, wine. Consult your advisor regarding application to your concentration.

Typically Offered Variable Intermittently
Grading: GRD

BUS 391 - Cross-cultural Communication and Negotiation

Unit(s): 4 The course provides students with techniques for becoming skillful cross-cultural communicators and negotiators. Topics include dimensions of culture and their implications in organizations, successful international

business negotiation tactics, and managing cultural diversity in the workplace.

Prerequisite(s): Prerequisites: Restricted to BUS Admin majors and juniors and seniors.

Typically Offered Spring Only

Grading: GRD

BUS 393 - Introduction to International Business

Unit(s): 4 A survey of theoretical and institutional aspects of international trade and investment. The course will address topics including international trade theory, the international money market, balance of payments, international sourcing, and management of international enterprises.

Prerequisite(s): Prerequisites: Restricted to BUS Admin majors and juniors and seniors.

Typically Offered Fall Only

Grading: GRD

BUS 394 - International Business Strategy

Unit(s): 4 This course will focus on understanding the political, economic, sociocultural and environmental factors affecting the development of options and strategies. Students gain appreciation of different forms of foreign involvement and which types are appropriate in view of national interests of host nations. Topics include the multinational corporation, exporting, importing, socioeconomic development, international economic order, the changing U.S. role in the international economy, and management styles in different cultures. Case studies will be analyzed.

Prerequisite(s): BUS 391 or BUS 393.

Typically Offered Not Recently Offered

Grading: GRD

BUS 396W - The Global Wine Industry

Unit(s): 3-4 This survey course provides an overview of the global wine industry. Topics include the analysis of global trends affecting wineries, the nature of international competition, the importing and exporting of wine, and joint ventures and acquisitions in the wine industry involving partners from different countries. The course will discuss both consumption and production of wine around the world, with special emphasis placed on the impact of emerging new world wine producers. Because a two-week overseas field trip is a part of this course, it will be offered only during intercession or

between semester breaks.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Grading: GRD

BUS 397W - Global Marketplace for Wine

Unit(s): 4 The course provides an in-depth look at the global trends affecting the wine industry. Topics include the changes taking place in wine consumption in both established and emerging wine markets. The role played by imported wine in key markets will be discussed. Industry dynamics will be analyzed with a focus on the export strategy of wine firms and wine producing nations, the formation of joint ventures with international partners, and the potential for investment in foreign firms and vineyards. Topics related to the workings of the bulk market for wine will also be presented.

Prerequisite(s): BUS 305W and BUS 360.

Typically Offered Spring Only

Grading: GRD

BUS 399A - Advanced Work Experience in Accounting

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in accounting who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.

Grading: GRD

BUS 399F - Advanced Work Experience in Finance

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in finance who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.
Grading: CNC

BUS 399FM - Advanced Work Experience in Financial Management

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in financial management who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.
Grading: CNC

BUS 399MG - Advanced Work Experience in Management

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in management who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.
Grading: CNC

BUS 399MK - Advanced Work Experience in Marketing

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in marketing who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.
Grading: CNC

BUS 399W - Advanced Work Experience in Wine Business Strategies

Unit(s): 3-4 Designed for upper-division students in business administration with a concentration in wine business strategies who have an opportunity for an extraordinary on-the-job educational experience but are prohibited by the internship policy from taking BUS 499 (Internship) because of the prohibition against students turning existing jobs into internships. GPA in major of 2.0 is required and a student must have successfully completed either at least two courses in the area or at least sixteen (16) units of upper-division business courses prior to enrolling. Requests for BUS 399 must be approved by the student's faculty advisor and the department chair. A student may not receive credit for both BUS 499 (Internship) and BUS 399 (Advanced Work Experience) in a given concentration. A student may receive credit for BUS 499 in one concentration and credit for BUS 399 in another concentration based on a different work experience. No more than 8 units of BUS 399 and BUS 499 in total may be applied to the Business major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 3 times for credit for a total of 16 units.
Grading: CNC

BUS 430 - Advanced Accounting

Unit(s): 4 Advanced accounting topics including business combinations, consolidations, foreign currency transactions and translations, segment and interim reporting.

Prerequisite(s): BUS 330A and BUS 330B.
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 433A - Individual Taxation

Unit(s): 4 Analysis of the Internal Revenue Code pertaining to individual and corporate income taxes. Topics include determination of taxable income, deductions and exemptions, accounting records, returns, computation of taxes, and tax planning. Subject matter to reflect the most recent tax law changes.

Prerequisite(s): BUS 330A.
Typically Offered Fall & Spring
Grading: GRD

BUS 433B - Corporation and Estate Taxation

Unit(s): 4 Concepts and principles of federal taxation as they apply to business enterprise and fiduciaries, such as

estates and trusts.

Prerequisite(s): BUS 433A.
Typically Offered Fall & Spring
Grading: GRD

BUS 434 - Auditing

Unit(s): 4 Study of generally accepted auditing standards and procedures followed in the examination of financial statements and operating control reviews. Topics include evaluation and analysis of internal control, nature of and procedures for gathering audit evidence, professional ethics and legal liability, the standards of reporting financial information, and statistical sampling applications.

Prerequisite(s): BUS 330A, 330B and BUS 334 or BUS 319. BUS 330B may be taken concurrently.
Typically Offered Fall & Spring
Grading: GRD

BUS 435 - Cost Accounting

Unit(s): 4 This intermediate course focuses on cost analysis and advanced topics such as activity-based costing, indirect cost allocations, transfer pricing and capital budgeting and how cost information help managers to make better decisions for effective planning and management control.

Prerequisite(s): Bus 330A or concurrent enrollment in Bus 330A.
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 436 - Business Law

Unit(s): 4 A study of areas of law of particular importance to business, including contracts, sales, negotiable instruments, secured transactions, agency, partnerships, and corporations.

Prerequisite(s): Course restricted to Business Administration Majors only.
Typically Offered Fall Only
Grading: GRD

BUS 437 - Governmental Accounting

Unit(s): 4 This course deals with intricacies and peculiarities of fund accounting as it relates to governmental units, including preparing and recording the

budget, the use of the encumbrances accounting, and the year-end closing of the budgetary accounts. Students will be exposed to GASB (Government Accounting Standards Board) standards, governmental financial statement requirements, and learn the different objectives and purposes of financial statements for nonprofit versus profit entities.

Prerequisite(s): BUS 330A.

Typically Offered Spring Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 446 - Government Regulation and Human Resources

Unit(s): 4 An examination of current legislation and executive orders affecting the human resource function. Laws, orders, guidelines, and regulations will be examined within the framework of the regulatory model, which presents an integrated framework for understanding the relation of societal problems, laws, agencies, guidelines, the courts, and management responses.

Prerequisite(s): BUS 340 or 340W.

Typically Offered Spring Only

Grading: GRD

BUS 451 - Entrepreneurship / Small Business Management

Unit(s): 4 Intended for prospective entrepreneurs wishing to start a new business and/or participate in the management of a small, ongoing company during its early months. Also appropriate for students interested in consulting, banking, or investing in small companies. Emphasis on the preparation of realistic, action-oriented business plans necessary for presentations in organizing and financing.

Prerequisite(s): BUS 360.

Typically Offered Spring Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 452 - Leadership

Unit(s): 4 The focus of this course is a comprehensive review of the writings and theories of leadership. Students will evaluate leadership traits and behavior, the effects of reciprocal influence, transformational leadership, the role of power versus authority, followership, and related matters. Applications of theory to practice will be

emphasized.

Prerequisite(s): BUS 344 and BUS 350.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 453 - Small Business Analysis

Unit(s): 4 This course focuses on decision making in functional areas of marketing, production and finance. Students, working in teams with faculty and professional supervision, consult with businesses to solve managerial problems.

Prerequisite(s): BUS 360.

Typically Offered Fall Only

Grading: GRD

BUS 461 - Promotion Management

Unit(s): 4 Examines the planning, execution, and measurement of the organization's external communications with its environment. Analyzes the four promotion tools: advertising, personal selling, sales promotion, and public relations.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Grading: GRD

BUS 462 - Marketing Research

Unit(s): 4 The theory and application of marketing research as a tool for management decision making. Emphasis is on problem identification and definition, research design, sampling procedure, primary and secondary data collection, statistical analysis, interpretation of data, and reporting of research findings.

Prerequisite(s): BUS 360.

Typically Offered Fall & Spring

Grading: GRD

BUS 463 - Sales Management and Personal Selling

Unit(s): 4 Examines theory and practice in the principles and art of selling. Studies planning, organizing, leading, evaluating, and controlling of sales force activities.

Prerequisite(s): BUS 360.

Typically Offered Fall Only
Grading: GRD

BUS 464W - Production, Operations, and Distribution (Wine)

Unit(s): 4 The study of effective operations management techniques and strategies from the perspective of the California wine industry. The course emphasizes the basic concepts of purchasing, operations, logistics, and supply chain management as they apply to the wine industry. More specific topics include value analysis, total quality management, make/buy decisions, negotiation, and supplier development.

Prerequisite(s): Course restricted to BUS ADMIN majors.
Typically Offered Fall & Spring
Grading: GRD

BUS 465W - Wine Marketing

Unit(s): 4 An in-depth study of marketing from the perspective of the California wine industry. The course emphasizes wine marketing planning, including an analysis of wine consumer segments. The wine industry's economic, legal, social, and competitive environment, industry trends, major problems and opportunities, and strategic alternatives as related to wine varieties and brands, pricing, promotion, and distribution.

Prerequisite(s): BUS 305W, BUS 360.
Typically Offered Fall & Spring
Grading: GRD

BUS 467W - Wine E-Commerce and Direct Sales

Unit(s): 4 An in-depth study of electronic commerce aspects from the perspective of the California wine industry. Topics include opportunities and challenges associated with electronic commerce (e-commerce/e-business), and impacts of e-commerce with meeting strategic objectives of an organization in the wine industry. The course includes topics on database management, direct-to-consumer and government oversight/compliance issues, wine club management, and winery management software as they apply to the wine industry.

Prerequisite(s): BUS 319 or BUS 334.
Typically Offered Variable Intermittently
Grading: GRD

BUS 468 - Marketing Decision-Making

Unit(s): 4 Data analysis and "what if" marketing decision-making, using computer models and computer simulation. Emphasizes developing computer and analytical marketing skills.

Prerequisite(s): BUS 360.
Typically Offered Variable Intermittently
Grading: GRD

BUS 469 - Marketing Management

Unit(s): 4 Advanced study of marketing management, strategy, and decision-making through the use of marketing cases. Requires the integration of marketing concepts and theories from previous marketing course work.

Prerequisite(s): BUS 360 and BUS 367.
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 470 - Managerial Finance

Unit(s): 4 Theory of managerial decision making in its financial and economic context. Topics include the decision-making environment, financial planning, budgeting and control, long-term investment decisions and capital budgeting techniques, working capital management, the cost of capital, valuation, rates of return, and choosing among alternative sources of funds.

Prerequisite(s): BUS 370.
Typically Offered Spring Only
Grading: GRD

BUS 471 - Case Studies in Finance

Unit(s): 4 This course utilizes the case study method in the context of modern financial theory. Small groups of students present cases to the class on topics such as investments, risk and return, capital budgeting, capital structure, and the firm's cost of capital. The role of the instructor is to facilitate discussion among the students, rather than to provide explicit answers.

Prerequisite(s): BUS 370.
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: GRD

BUS 472 - Investments

Unit(s): 4 A study of the characteristics of securities: valuation, sources, selection strategies, and theory of portfolio management. Stocks, bonds, options, and futures markets will be included. A major term project is required.

Prerequisite(s): BUS 370.

Typically Offered Fall & Spring

Grading: GRD

BUS 473 - International Finance

Unit(s): 4 The foundations of financial theory (capital budgeting, capital markets, EMH/CAPM/ portfolio theory, capital structure, short term financing) are set in an international/ MNC context where currency exchange rates, differences in accounting procedures, international trade, political risk, investments, and financing are examined.

Prerequisite(s): BUS 370.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 474 - Computer Applications in Finance

Unit(s): 4 A course in financial modeling, analysis, and research using computers. Emphasis is placed on the development of models required for the evaluation of financial alternatives.

Prerequisite(s): BUS 370.

Typically Offered Fall & Spring

Grading: GRD

BUS 475W - Wine Accounting and Finance

Unit(s): 4 This course focuses on financing, investing, and accounting decisions facing managers of wine businesses. It explores the financial reporting issues that are unique to wine businesses and how these issues affect valuation. This course is directed to those interested in careers in accounting and finance as well as those interested in understanding relevant accounting and finance issues for wine business.

Prerequisite(s): BUS 370.

Typically Offered Variable Intermittently

Grading: GRD

BUS 476 - Risk Management and Insurance

Unit(s): 4 This course focuses on identifying and evaluating risk exposures for individuals and firms. Insurance products or financial products can mitigate the effects of risk related losses, and this course introduces students to a range of insurance products sold or used in financial markets. The course provides an integrated approach to Enterprise Risk Management (ERM), which analyzes traditional business risks together with financial risks as a part of overall risk management of the firm.

Prerequisite(s): BUS 370.

Typically Offered Spring Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 477 - Real Estate Finance

Unit(s): 4 This is an introductory course in real estate designed to introduce students to basic real estate legal concepts and the valuation of real estate investments and mortgages in residential and commercial real estate properties. In addition, the course covers topics such as financing project development and land development, the real estate challenges faced by entrepreneurs, franchising, and real estate financing and investing tools in secondary markets. Prerequisite: BUS 370. Course restricted to Finance and Financial Management concentrations.

Prerequisite(s): Prerequisite: BUS 370 and restricted to Finance and Financial Management concentrations.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 491 - Seminar in Management Strategy and Policy

Unit(s): 4 Seminar covering current issues in managerial strategy and corporate policy that integrates concepts of organization theory and behavior, marketing, finance, human resources, production/operations, information systems, entrepreneurship, accounting, economics, and international business. This is the capstone for the business administration major and would be expected to be taken in the last semester prior to graduation.

Prerequisite(s): (BUS 316, BUS 319 or BUS 334, BUS 344, BUS 360, BUS 370) or Group RBUD and Bus Grad Applied Group RBSG.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 491W - Seminar in Management Strategy and Policy in the Wine Industry

Unit(s): 4 Seminar covering current issues in managerial strategy and corporate policy that integrates concepts of organization theory and behavior, marketing, finance, human resources, production/operations, information systems in the wine industry, entrepreneurship, accounting, economics, and international business in the wine industry. This is the capstone for the business administration major and should be taken in the last semester prior to graduation.

Prerequisite(s): BUS 316, BUS 319 or BUS 334, BUS 344, BUS 360, BUS 370 and Bus Grad Applied Group RBSG; or Group RBUD.

Typically Offered Variable Intermittently

Grading: GRD

BUS 493 - Advanced Topics in Professional Sales

Unit(s): 2 This course offers students hands-on experiences in all aspects of the sales process, including prospecting, face-to-face or phone meetings with stakeholders, information gathering, and formal sales presentations. Students will practice persuasive communication and effective sales strategies that create valuable and viable solutions for organizations seeking products/services.

Prerequisite(s): BUS 360.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 495 - Special Studies

Unit(s): 1-4 Student-designed and instructor-guided projects, to be arranged individually. Independent study credit will be granted only to students who have: 1) attained senior status, 2) minimum GPA in business administration of 3.0, and 3) substantial background in the field involved in the petitioned study. A maximum of 4 units are applicable to the business administration major.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: GRD

BUS 499A - Internship in Accounting

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in

accounting. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and BUS 499A may not be used as a concentration elective. GPA of 2.0 is required in major plus two courses in the field of concentration.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 499F - Internship in Finance

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in finance. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and only one in any single concentration. GPA of 2.0 is required in major plus two courses in the field of concentration.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 499FM - Internship in Financial Management

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in financial management. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and only one in any single concentration. GPA of 2.0 is required in major plus two courses in the field of concentration. Cr/ NC only. The internship requires a minimum of three hours per week per semester unit.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 499MG - Internship in Management

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in

management. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and only one in any single concentration. GPA of 2.0 is required in major plus two courses in the field of concentration.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 499MK - Internship in Marketing

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in marketing. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and only one in any single concentration. GPA of 2.0 is required in major plus two courses in the field of concentration.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 499W - Internship in Wine Business Strategies

Unit(s): 3-4 Field experience, for upper-division students, in management and administration with an emphasis in wine business strategies. All internships that may be used in a concentration shall be either 3 or 4 units. No internship may be counted in more than one concentration. No more than two internships may be used for credit in the B.S. in Business Administration program and only one in any single concentration. GPA of 2.0 is required in major plus two courses in the field of concentration. Cr/ NC only. The internship requires a minimum of three hours per week per semester unit.

Prerequisite(s): Course restricted to Business Administration Majors only.

Typically Offered Fall & Spring

Grading: CNC

BUS 501 - Foundations of Accounting

Unit(s): 2-3 A foundation course designed to provide a basic understanding of the theory and practice of accounting with emphasis upon basic principles, concepts, and controls in relation to external and internal reporting.

Prerequisite(s): Prerequisite: Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 504 - Foundations of Organizational Behavior

Unit(s): 2-3 BUS 504 is an accelerated version of BUS 344 that is intended to prepare students for M.B.A. level coursework. The course examines the roles of individuals and of groups in organizations. Attention is directed to individual level characteristics such as learning and personality; to processes that affect attitudes, perceptions, and judgment; to applied theories of motivation; and to emotions and stress. At the group level, topics include group formation, development, structure, leadership, and dynamics, as well as the processes of communication, decision-making, power, and conflict. Organizational level characteristics such as structure, culture, and change management are also addressed.

Prerequisite(s): Prerequisite: Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 506 - Foundations of Marketing

Unit(s): 2-3 BUS 506 is an abbreviated version of BUS 360 that is intended to prepare students for M.B.A. level coursework. The course provides the terminology and concepts of marketing including segmentation, product development, pricing, promotion, and distribution.

Prerequisite(s): Prerequisite: Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 507 - Foundations of Managerial Finance

Unit(s): 2-3 BUS 507 is an abbreviated version of BUS 370 that is intended to prepare students for the M.B.A. level course BUS 570 Seminar in Managerial Finance. It provides an introduction to the conceptual and analytical framework guiding financial decision-making within the business firm. Emphasis is placed on time value of money and discounted cash flow calculations, valuation of stocks

and bonds, the evaluation of investment opportunities available to the firm, the essentials of the risk return trade-off, and estimation of the firm's cost of capital.

Prerequisite(s): Prerequisite: Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 509 - eMBArk

Unit(s): 1-2 Students will gain overview knowledge of case study approaches to learning. A study of each student's communication and learning profile will allow them to better understand how to communicate most effectively with fellow cohorts.

Typically Offered Fall Only

Grading: CNC

BUS 516 - Operations Management

Unit(s): 3 Production/operations management of manufacturing and service operations. Topics include forecasting and scheduling, material requirements planning, and quality assurance. Additional tools include inventory control, project management, and product development. Modern techniques such as Supply Chain Management, e-business, Just-in-Time, and Total Quality Management are illuminated.

Prerequisite(s): Course Open to MBA and Business Admin Wine MBA students only

Typically Offered Variable Intermittently

Grading: GRD

BUS 516E - Operations and Supply Chain Strategies

Unit(s): 1-3 This course explores major decision areas involved in managing manufacturing and service organization operations. Topics include process selection and design, planning and control systems, quality management, inventory management and control, independent demand management, supply chain management, operations strategies, and developing world-class operations.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 519 - Management Information Systems

Unit(s): 3 Study of the fundamental role information systems and technologies play in organizations and management issues they raise. Topics include IS/IT'S strategic importance; technology, legislative, and industry trends; systems development issues and practices; project management; database design and management; management of IS/IT assets.

Prerequisite(s): Prerequisite: ECS majors with a co-requisite of EDEC 178, or an ECS minor, and open to sophomores, juniors and seniors only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 519E - Innovation, Design, and Technology Leadership

Unit(s): 1-3 This course prepares students to lead and manage innovative, entrepreneurial, and new technological approaches to business issues required for organizations to remain competitive in today's and tomorrow's business environment. By applying theory through experiential learning, students will generate and investigate creative approaches to addressing issues; develop new business models for bringing ideas to market; and evaluate the types of risks required to advance entrepreneurial and technological initiatives. This course also provides current and future senior executives with the insights and frameworks necessary to make strategic decisions about implementing new technologies.

Prerequisite(s): Admission to the Sonoma Executive MBA in Wine Business (Wine EMBA) program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 525WB - Wine Business Experience B

Unit(s): 1-3 This course expands the elective courses available to M.B.A.-Wine Business students and allows graduate students a for-credit opportunity to participate in an experiential learning activity in wine business packaging, marketing, and selling a brand, including gaining event planning and wine industry software sales technology experience.

Typically Offered Spring Only

Grading: GRD

BUS 530 - Financial Statement Analysis

Unit(s): 3 Students learn to analyze financial statements for the purpose of valuing the firm. The course takes a

user perspective, not a preparer's perspective. The course is an inter-disciplinary accounting and finance course. Students learn the limitations and complexities of the numbers used in valuing major components of the financial statements. Significant emphasis is placed on the current American regulatory environment, impending changes within that environment, as well as on international and global regulatory issues.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 530E - Financial Statement Analysis

Unit(s): 1-3 This course provides a critical analysis of the role of regulation in the measurement and reporting of the results of economic activities to enable a more effective and efficient use of financial information for decision-making purposes. This course explains the "management assertions" embodied in the financial statements and its relationship with an independent audit of financial information. There is also discussion of strategic cost concepts and ethics in record keeping; methodology of short and long-term decision analysis; planning and control of organizational activities, transfer pricing methods, and performance evaluation and their related behavioral implications; and critical analysis of long term decisions.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 535 - Cost Analysis and Control

Unit(s): 3 The course focuses on concepts and managerial uses of financial information with a strong emphasis on management decision-making and the strategic effects of decisions, ethics, and new management accounting trends to prepare students for the challenges of today's workplace.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Fall Only

Grading: GRD

BUS 540 - Managing and Motivating Employees

Unit(s): 3 This course develops students' managerial acumen so they can effectively manage direct reports and

positively influence employee motivation in any type of organization. The course will cover skills in areas such as negotiation, giving and receiving feedback, meeting facilitation, persuasion, and communication with employees who have diverse backgrounds and personalities. This hands-on course also includes a strategic approach to understanding foundational concepts of human resource management (HRM), including workforce planning and the development, implementation, and assessment of HRM policies and processes. The examination of ethical and legal implications of managerial behavior will be addressed as well.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Spring Only

Grading: GRD

BUS 540E - Talent Management

Unit(s): 1-3 This course examines human resources with an emphasis on the role of the top executives and leadership to establish an effective HR system. Specific topics include: strategic human resources in a globally competitive environment; financial implications of HR; strategic staffing and interviewing; training and development; creating a motivational work environment for employees; designing an effective compensation and benefits systems; safety and environmental issues in the workplace; and a review of ethical, legal and international HR issues.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 545W - Global Wine Business

Unit(s): 3 Current theory and practice of how wine businesses have evolved to become a global industry. Students analyze and debate cutting-edge issues in strategic management, leadership, organization, human resources, entrepreneurship, family business, government regulation, management of technology, financial management, and socially responsible practices.

Prerequisite(s): Course Open to Wine Business MBA students.

Typically Offered Variable Intermittently

Grading: GRD

BUS 546E - Global Business Environment

Unit(s): 1-3 This course integrates international economics and global issues to expand the scope of business students' inquiry to cover the economics of a nation in a global economy. The class discusses theoretical tools which economists and policymakers use to analyze economic events.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

BUS 546W - International Wine Business Strategies

Unit(s): 3 This course is comprised of two intensive, week-long, residential sessions and associated projects and homework, one hosted by SSU and the other hosted by an AACSB-accredited university in another wine-producing country. The course includes observation and critical analysis comparing and contrasting business processes, regulations and practices in the two countries. Taught in face-to-face, hybrid or online modes. This course requires admission into the Wine Business concentration of the Sonoma MBA program and completion of the four core courses: BUS 535, BUS 540, BUS 570 and BUS 580.

Prerequisite(s): Admitted to the Wine MBA program and completion of all Core Courses: BUS 535, BUS 540, BUS 570, BUS 580

Typically Offered Summer Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 547E - Public Policy, Regulatory Issues and Civic Leadership

Unit(s): 1-3 This course provides multiple stakeholder perspectives on regional and industry-level public policy and regulatory issues, and explores the role of business in engaging the public and nonprofit sectors to ensure that sound policy is created and implemented. The course includes an overview of the process of developing and enacting public policy, and an examination of the civic duty of business leaders to foster responsible corporate citizenship.

Prerequisite(s): Admission to the Executive MBA program.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online

Grading: Graded

BUS 547W - Wine Legal and Regulatory Issues

Unit(s): 3 This course covers current theory and practice of key legal and regulatory issues in the global wine industry. Major topics include ethical considerations with regards to alcohol sales and consumption, as well as an historical overview of legal and compliance issues with alcohol in the U.S. and in other countries. Specific areas include legal and regulatory issues related to trademarks, appellations of origin, establishing a winery, permits, advertising, distribution, direct shipping, compliance, public health, social responsibility, environmental regulations, international trade, e-commerce and social media, counterfeit wines, vineyard development, land use, conservation, and other relevant ethical and legal issues related to wine.

Prerequisite(s): Course Open to Wine Business MBA students.

Typically Offered Variable Intermittently

Grading: GRD

BUS 552 - Leadership and Innovation

Unit(s): 3 This course provides a combination of skill building and theoretical foundation in leadership and innovation. Topic areas include: 1) self-assessment and review of leadership theory, 2) vision, strategy formulation, and planning, 3) interpersonal leadership skills including motivation, performance management, and teamwork, and 4) technical leadership competencies in the areas of innovation, creativity, change and stress management, and decision-making.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 552E - Leadership Intelligence

Unit(s): 1-3 Leadership is about making a difference for the organizations in which we work, and for the communities in which we work and live. The focus is on building a core of three critical skill sets: a foundation of financial, operational, and strategic business acumen; the emotional intelligence to effectively engage people; and the execution discipline to deliver results and get things done. This course is connected to BUS 554E and includes the orientation weekend and team-building experiences.

Prerequisite(s): admission to the EMBA Program

Typically Offered Variable Intermittently

Grading: GRD

BUS 554 - Social Entrepreneurship In Theory and Practice

Unit(s): 3 This course examines the theory and practices of social entrepreneurship. The course will examine how entrepreneurial solutions can be fashioned and applied to job creation, workforce development, and meeting other social needs. Specific topics include: social responsibility, venture philanthropy, opportunity assessment, market analysis, financial principles of sustainability, micro enterprises, and nonprofit organizations.

Prerequisite(s): Course restricted to MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 554E - Leading Sustainable Enterprises

Unit(s): 1-3 When business results are measured by long-term profitability, the creation of vibrant communities, and the sustainable use of natural resources, how do executive leaders achieve success? Leading Sustainable Enterprises is an intensive leadership development experience which provides executives with the tools and strategies necessary for delivering results in a complex multi-stakeholder business environment. Course topics encompass leading for results, business intelligence, leadership intelligence, execution competence, and sustainability strategies. This course includes an offsite leadership development program and the completion of a sustainability plan for a business.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 555W - Sustainability in the Wine Hospitality Industry

Unit(s): 3 Current theory and practice of how wine and hospitality businesses can become sustainable business. Course content includes business rationale for adopting environment and social equity practices for improved business performance and success. Students analyze and debate cutting-edge issues in sustainability including a review of global wine and hospitality businesses using sustainable practices, audit and compliance, energy management systems, ISO standards, creation of sustainable business strategies, development of policies and practices for sustainable practices for operations, success measures, and cost-benefit analysis.

Prerequisite(s): Course Open to Wine Business MBA

students.

Typically Offered Variable Intermittently

Grading: GRD

BUS 559 - Seminar in Advanced Management Topics

Unit(s): 3 Graduate study of a current or emerging management topic of special interest.

Prerequisite(s): BUS 535, 540, 570 and 580. Course open to Business MBA and Wine Business MBA Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with the consent of the M.B.A. coordinator.

Grading: GRD

BUS 559W - Seminar in Advanced Wine Business Topics

Unit(s): 3 Graduate study of a current or emerging topic of interest in Wine Business.

Prerequisite(s): BUS 540 & BUS 570. Course open to Business MBA and Wine Business MBA Students only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with the consent of the M.B.A. coordinator.

Grading: GRD

BUS 560 - Seminar in Marketing Management

Unit(s): 3 Study of marketing situations, development of marketing plans, and evaluation of marketing programs. Careful consideration of the conceptual background of marketing including trends and emerging developments.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 560E - Strategic Marketing

Unit(s): 1-3 Study of the current marketing environment, analysis of cutting-edge marketing programs, and the development of strategic marketing plans. Careful consideration of the conceptual background of marketing including trends and emerging developments. The integration of digital and social media into marketing strategies is also discussed.

Prerequisite(s): admission to the E.M.B.A. Program.
Typically Offered Variable Intermittently
Grading: GRD

BUS 563 - Strategic Branding

Unit(s): 3 This course offers a solid, proven theoretical foundation with practical insights to assist managers in their day-to-day and long-term brand decisions. Specifically, a number of key concepts related to brand management, such as brand equity and brand positioning, are incorporated with a series of case studies to optimize students' learning.

Prerequisite(s): BUS 535, 540, 570 and 580. Course open to Business MBA and Wine Business MBA Students only.

Typically Offered Variable Intermittently
Grading: GRD

BUS 565W - Marketing and Sales Strategies for Wine

Unit(s): 3 Study of wine marketing and sales on a global basis. Focus on branding, research, positioning, and promotion of wine. Consideration of distribution alternatives and sales strategies for wine. Development of marketing plans for wine products.

Prerequisite(s): Course Open to Wine Business MBA students.

Typically Offered Variable Intermittently
Grading: GRD

BUS 570 - Seminar in Managerial Finance

Unit(s): 3 Financial theory and applied financial analysis. Topics may include security analysis, portfolio management, financial accounting, corporate financial policy, investment banking, and international finance.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Fall Only
Grading: GRD

BUS 570E - Financial Markets and Business Strategy

Unit(s): 1-3 This course examines the relationship between corporate finance theory and business strategy employed by corporate executives. The intent of the course is to improve executive decision-making by

applying modern corporate finance theory to current business issues. Topics to be covered include time value of money analysis, capital budgeting techniques such as net present value and internal rate of return, cost of capital, capital structure, market efficiency, and international finance. The course will be blend theory and practice by employing a combination of lecture and discussion of corporate finance theory with case studies to emphasize practical application.

Prerequisite(s): admission to the E.M.B.A. Program.
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

BUS 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Variable Intermittently
Grading: CNC

BUS 580 - Business Intelligence

Unit(s): 3 The course introduces students to methods of data-driven decision-making. This is a hands-on data intensive course where we analyze topics related to management, marketing, and finance such as pricing, promotion, branding, estimating return on investments, and forecasting. The course will make extensive use of modern data-driven analytical methods, including simple and multiple regression models.

Prerequisite(s): Course open to MBA and Wine MBA students only.

Typically Offered Spring Only
Grading: GRD

BUS 581 - Research Methods for Managers

Unit(s): 3 Practical approaches to the design, execution, and interpretation of applied business research activities. Development of analytical skills and research techniques, including an understanding of the assumptions, limitations, and appropriate uses of various research designs and strategies.

Prerequisite(s): Course open to MBA and Wine MBA

students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 581E - Research in Strategic Planning

Unit(s): 1-3 This course explores the business professionals role in obtaining and incorporating data into the strategic planning process. It delves into the research options of today's business environment, as well as the research process, and discusses current issues in business research, from global to ethical concerns. This class guides executives through identifying their greatest information needs and directs them how to best address their strategic questions.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

BUS 582 - Advanced Business Analytics

Unit(s): 3 This hands-on, data-intensive course focuses on the practical applications of econometrics and makes extensive use of modern data-driven analytical methods. The course addresses issues of time series data for measuring marketing effectiveness and forecasting, as well as limited dependent variable data for evaluating purchasing decisions.

Prerequisite(s): BUS 535, BUS 540, BUS 570, and BUS 580.

Typically Offered Variable Intermittently

Grading: GRD

BUS 590E - Leading Change in Organizations

Unit(s): 1-3 This course explores change management theories and practical methods to implement change within organizations. Specific topics include: overview of major change management models, building a case for change; evoking change leadership and the role of the change agent, building commitment to change, analyzing processes, designing and implementing the change plan, establishing measures, managing transitions, and developing a learning organization that embraces change. The role of leaders in implementing successful change efforts in different sized organization is a main theme of this course.

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 591 - Seminar in Strategic Management

Unit(s): 3 A consideration of the entire organization from the viewpoint of the chief executive officer. Topics to be covered include strategy formulation, the development of competitive advantage, strategy implementation, and the management of strategic change. Course

Prerequisite(s): BUS 535, BUS 540, BUS 570 and BUS 580 and three theme area courses; MBA or Wine MBA students only.

Typically Offered Variable Intermittently

Grading: GRD

BUS 591E - Strategy in Practice

Unit(s): 1-3 This is a seminar requiring active contribution of participants to identify and evaluate decisions determining the long-range future of a business or nonprofit organization. Strategic management entails generating choices to be made among competing alternatives to produce a competitive advantage and earn above-average returns. Rapid technological change, mergers and acquisitions, increasing pressures for globalization, and changing local environments for organizations have heightened the urgency to ask the right questions about the future, such as: (1) Which distinctive competencies should we be developing for our businesses? (2) Where and how should we compete? 3) How do we balance among competing priorities of and communicate our strategy to our stakeholders?

Prerequisite(s): admission to the E.M.B.A. Program.

Typically Offered Variable Intermittently

Grading: GRD

BUS 592 - Entrepreneurship and New Venture Creation

Unit(s): 3 Entrepreneurship focuses on new venture creation and venture feasibility analysis. Working in teams, students will learn to identify, conceptualize, plan, finance, launch, manage, and harvest new ventures. Entrepreneurship, the application of entrepreneurial methods of management to established organizations, will also be discussed. Course

Prerequisite(s): BUS 535, BUS 540, BUS 570, BUS 580 and MBA students only.

Typically Offered Variable Intermittently
Grading: GRD

BUS 592E - Business Plan

Unit(s): 1-3 This is primarily a field-study course in which students describe, evaluate, and recommend a well-supported strategy to the top management team and/or board of directors of an organization. Working in teams, participants will observe how strategic opportunities are identified, conceptualized, planned, financed, implemented, managed and harvested. Learning tools include field research, compilation of primary and secondary data, class dialogues, readings, sample case analyses, guest lectures from local business leaders, and a final project that involves writing a case study and analysis describing the evolution of an organization's strategy, how resources and capabilities will be acquired to implement the strategy, and how results may be monitored and controlled. The ultimate output of this course is a business plan that students may use in future business ventures.

Prerequisite(s): admission to the E.M.B.A. Program.
Typically Offered Variable Intermittently
Grading: GRD

BUS 593 - Seminar in International Business

Unit(s): 3 Comprehensive view of the international economic environment as it relates to international business. Topics include the multinational corporation, subcontracting, counter trade, and international institutions such as the World Bank and GATT.

Prerequisite(s): Course open to MBA and Wine MBA students only.
Typically Offered Variable Intermittently
Grading: GRD

BUS 595 - Special Studies in Business Administration

Unit(s): 1-3 Supervised independent study. A maximum of 3 units may be applied toward the requirements for the M.B.A. degree.

Prerequisite(s): Course open to MBA and Wine MBA students only.
Typically Offered Variable Intermittently
Grading: GRD

BUS 596 - Graduate Internship

Unit(s): 1-3 Field experience for qualified graduate students in business administration. A maximum of 3 units may be applied toward the requirements for the M.B.A. degree. Students must establish with the M.B.A. director that the work involved is clearly integral to the student's graduate studies.

Prerequisite(s): Course open to MBA and Wine MBA students only.
Typically Offered Fall & Spring
Grading: CNC

BUS 597W - Country Intensive Wine Business Analysis

Unit(s): 3 This course provides in-depth analyses of a foreign country's wine industry. Topics may include general business and economic issues as well as wine-specific issues focusing on production, sales, and marketing (within country and for export); human resource management; environmental concerns; and regulations. This course includes a required international field trip.

Typically Offered Variable Intermittently
Grading: GRD

BUS 599 - Master's Degree Directed Research

Unit(s): 1-3 Research directed by the student's committee on a project. An Advancement to Candidacy Form GSO 1 must be filed with the M.B.A. Coordinator before the student registers for this course.

Prerequisite(s): Course Open to MBA and Business Admin Wine MBA students only
Typically Offered Variable Intermittently
Grading: CNC

Chicano and Latino Studies

CALS 165A - Humanities Learning Community

Unit(s): 4 CALS 165A/CALS 165B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas along with meeting Ethnic Studies requirements. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only
Grading: GRD

CALS 165B - Humanities Learning Community

Unit(s): 4 CALS 165A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): CALS 165A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas along with meeting Ethnic Studies requirements. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

CALS 219 - The Latino Experience

Unit(s): 3 A survey of the Chicano and Latino experience in the United States. The course serves as an introduction to Chicano and Latino studies through the social sciences in order to explain the individual's status and place within the group and society. This includes how Chicano Latinos and other Latinos have adapted to the various cultural, social, economic, and political elements of U.S. society as compared to other groups.

GE Category: Satisfies the Ethnic Studies requirement in GE Area D1 (Individual and Society).

Typically Offered Variable Intermittently

Grading: OPT

CALS 220 - Latina/o Arts and Humanities

Unit(s): 4 This course considers how individuals and communities define and are defined by their cultural practices by focusing on the ways these dynamics play out in Latina/o communities. It surveys Latina/o contributions to literature, drama, theater, cinema, mass media, popular and fine art, music, and dance and considers how these contributions reflect and challenge the nature and meaning of race and ethnicity in the United States.

GE Category: This course satisfies the C3 and Ethnic Studies GE requirements.

Typically Offered Variable Intermittently

Grading: OPT

CALS 225 - Spanish for Bilinguals

Unit(s): 4 This course is designed to systematically develop a confidence in native speakers' ability to write and communicate effectively in the Spanish language. The class will be conducted entirely in Spanish.

Prerequisite(s): native fluency in Spanish.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and/or Foreign Languages). This course does not satisfy the GE Ethnic Studies requirement.

Typically Offered Not Recently Offered

Grading: OPT

CALS 225L - Language Laboratory/Field Work

Unit(s): 1 At least two hours per week of practice in the language laboratory or in an approved fieldwork setting such as a Spanish-speaking organization, community agency, or bilingual classroom.

Co-requisite(s): concurrent enrollment in CALS 225.

Typically Offered Not Recently Offered

Grading: CNC

CALS 273 - Latinos and Performance: Critical and Creative Readings

Unit(s): 4 This course explores the relationship between identity and performance, reading and rendition, the interaction between the skills of close reading, embodied reading, and possible productions of these readings on the page, stage or screen. This course is part of the University's Second Year Research and Creative Experience (SYRCE) and its theme will vary from semester to semester.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: GRD

CALS 301 - CALS Leadership and Mentoring

Unit(s): 1 A supervised, guided process where senior-level majors in CALS coach and mentor newly declared majors after having been coached by a senior student the previous semesters. Elective units. May be enrolled more than once.

Typically Offered Not Recently Offered

Grading: CNC

CALS 310 - Chicano/Latino Arts and Crafts Workshop

Unit(s): 1 Analysis of and workshop on providing Chicano Mexican and other Latino arts and crafts. Includes village and folk arts, with particular emphasis toward adapting these arts to the public school curriculum. Course projects require a public exhibit.

Typically Offered Not Recently Offered
Grading: OPT

CALS 314 - Literature in Translation

Unit(s): 4 This course is designed for students who have studied little or no Latin American literature previously, and are interested in exploring the rich and diverse make-up of a people of both indigenous and Hispanic background, to understand how it is a part of their everyday lives. Students will develop an understanding of regional areas through the readings, and study the manner in which writers from Latin America weave struggles related to ethnicity, cultural traditions, and historical events into their creative works with a focus on important figures of Latin American narrative.

GE Category: Satisfies upper-division GE Area C2 (Literatures, Philosophies, and Values) and the Ethnic Studies requirement.

Typically Offered Variable Intermittently
Grading: GRD

CALS 339 - Latinos and the U.S. Labor Market

Unit(s): 3-4 This course is designed as an overview of major theories, trends, and debates on the topic of Latinos and labor market inequality in the United States. Topics include urban poverty, discrimination in employment, how jobs and workers are matched, and over-arching issues as globalization and place affects the labor force. Particular attention is given to the interaction between race and class as determinants of the life chances of minorities and specifically Latinos in the United States.

GE Category: Satisfies upper-division Ethnic Studies in GE Area D1 (Individual and Society).

Typically Offered Fall Only
Grading: OPT

CALS 350 - Latino Cultural Studies

Unit(s): 4 This course focuses on the theoretical debates that have shaped the field of Chicano and Latino studies.

We will explore the relationship between dominant racial formations and cultural production.

Crosslisted: WGS 351
Typically Offered Spring Only
Grading: GRD

CALS 352 - Chicano/Latino Philosophy

Unit(s): 4 This course addresses the development of Chicano/a and Latina/o thought from a materialist perspective. We will endeavor to contextualize the rise of different attitudes, definitions and worldviews concerning Chicano/Latino identity and politics within the specific historical conditions in which they developed.

GE Category: Satisfies Ethnic Studies and upper-division GE Area C2 (Literatures, Philosophies, and Values).

Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

CALS 365 - Chicano/Latino Theatre

Unit(s): 2 A review of the development of drama in literary Chicano/Latino culture from a variety of sources: anthropological, sociological, and historical as well as contemporary developments. Course includes a workshop leading to the performance of a term play, along the lines of the Teatro Campesino.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.
Grading: OPT

CALS 368 - Chicano/Latino Music

Unit(s): 4 This course explores Chicano/Latino musical practices with a special focus on their historical origins. The social, cultural, and political significance of Chicano/Latino musical forms will also be addressed in this class. The class will acquaint students with Chicano/Latino musical traditions and an understanding of their significance within a multicultural society.

GE Category: Satisfies Ethnic Studies and upper-division GE Area C1 (Fine Arts).

Typically Offered Spring Only
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

CALS 374 - Latino Literature

Unit(s): 4 A course designed to identify, analyze, and appreciate current literary themes and forms in works focusing on the experiences of Latinas/os in the United States. The course includes analyses of distinct ethnic, national, racial, regional, and gendered voices through the study of novels, short stories, essays, poetry, and plays.

GE Category: Satisfies upper-division GE Area C2 (Literatures, Philosophies, and Values) and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Grading: OPT

CALS 393 - Chicano/Latino Cinema

Unit(s): 4 An introduction to Chicano/Latino cinema, this course also introduces students to the politics of representation while offering an overview of Latina/o stereotypes in mainstream films. Special attention will be given to the emergence of Latina/o-produced films, tracing the evolution of alternative aesthetic and narrative strategies.

GE Category: Satisfies ethnic studies and upper-division GE, category C1.

Typically Offered Fall Only

Teaching Mode: Depending on the instructor this course may be offered in a face-to-face, hybrid or online teaching mode. **Grading:** OPT

CALS 395 - Community Involvement Program (CIP)

Unit(s): 1-4 Provides students with practical experience in school classrooms, various ethnic community organizations, and health and social service agencies, including recreation programs, day care centers, and senior citizen centers. One unit is equivalent to 30 hours of volunteer work per semester.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

CALS 398 - MEChA

Unit(s): 1-2 Movimiento Estudiantil Chicano de Aztlan involves students in experimental projects that will orient them to problems faced by the Chicano/Latino student community and the greater Hispanic community in the campus service area.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: CNC

CALS 400 - Selected Topics in Chicano Studies

Unit(s): 1-4 A seminar course that is offered occasionally, based on student interest and faculty availability. Courses offered in recent years featured topics such as the Mexican American Borderlands, Latina Feminisms, and Chicano Small Business Development.

Typically Offered Fall Odd Years **May Be Repeated**

May be repeated once for credit with a different topic.

Grading: OPT

CALS 403 - Chicano/Latino Youth and Adolescents

Unit(s): 3-4 General psychological principles and theories of growth and human development as they apply to Chicano/Latino youth. Course will focus on Latino adolescents and their adjustment to the life cycle and American society and its impact on the self, peer group relations, family life, and other sources of conflict.

GE Category: Satisfies Ethnic Studies and upper-division GE Area E.

Typically Offered Fall & Spring

Grading: OPT

CALS 405 - The Chicano/Latino Family

Unit(s): 3-4 Examines the Latina/o family in a psychological and sociological context. The role of international and internal migration and acculturation on Latino family structure and functioning, contemporary gender roles and sexualities, variations in family structure, race and class identity, and the impact of economic and cultural dislocation are examined. Family violence, addiction, mental and physical health, family resilience, and coping strategies are also examined. The class is designed to prepare students to work in social service environments (including family and individual therapy, public policy, social welfare, health services, community advocacy, and education), with applicable understandings of the contemporary Latino family.

Typically Offered Fall Even Years

Grading: OPT

CALS 426 - Chicano/Latino Sociolinguistic

Unit(s): 4 A seminar that examines the role language plays in structuring the social interactions of Latino populations. The class includes an overview of multiple varieties of Spanish and English, and explores issues such as language maintenance, policy planning, and bilingual education.

GE Category: Satisfies GE Area C3 (Comparative Perspectives) and the Ethnic Studies requirement.

Typically Offered Spring Odd Years

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

CALS 432 - Latinas/os and Globalization

Unit(s): 4 This class will explore the effect that late-stage capitalist globalization has upon Latino workers. How do changes in the world economic system, including the advent of global free trade regions (NAFTA, FTZs) affect the composition and opportunities open to Latino populations in the United States? Examines the development of transnational economic and cultural networks as a result of globalization.

GE Category: Satisfies the Ethnic Studies requirement in GE Area D5 (Contemporary International Perspectives).

Typically Offered Not Recently Offered

Grading: OPT

CALS 442 - Race, Class, and Gender Among Latinos

Unit(s): 4 A course centered on the institutional, cultural, and psychological components of race, class, and gender relations among Latinos and their effect on different communities. Institutional inequality, questions of assimilation and identity, attitudes, and effects of inequality on community activism and politics will be explored.

Typically Offered Spring Only

Grading: OPT

CALS 445 - Chicano/Latino History

Unit(s): 4 An analysis of Chicano/Latino history, from the exploration and settlement of the Southwest to the present. To include an examination of such themes and topics as: the Chicano heritage, the Mexican War and Treaty of Guadalupe Hidalgo, the land question, social banditry and other forms of resistance, the Chicano in the 20th century, and contemporary Chicano/Latino issues, organizations, and movements.

Typically Offered Spring Only

Grading: OPT

CALS 450 - Chicano/Latino Children's Literature

Unit(s): 3-4 An analysis of children's literature written about and for Chicano/Latino children both in the U.S. and abroad. Students will review and analyze the literature for style and content. Includes the study of nontraditional literature collections from the Spanish-speaking community. Prerequisite: functional Spanish language skills.

Typically Offered Not Recently Offered

Grading: OPT

CALS 451 - Latina/o Humanisms

Unit(s): 4 A comparative analysis of the nature and meaning of race and ethnicities in the United States from its origins in Latin America to its cultural manifestations and social concepts. Discussion and study will be focused from interdisciplinary perspectives.

Prerequisite(s): upper-division standing.

GE Category: Satisfies GE Area C3 (Comparative Perspectives) and Ethnic Studies categories.

Typically Offered Fall & Spring

Teaching Mode: Depending on the instructor this course may be offered in a face-to-face, hybrid or online mode.

Grading: OPT

CALS 456 - Sociology of Education/Latinos and Education

Unit(s): 4 This course introduces students to some key theoretical and empirical work in the sociology of education and Latinos. Because this is such a large field of research, the course will focus on the question of stratification and how systems of schooling maintain or alleviate inequality among Latino communities. We will examine classical approaches to schooling; schools as organizations; schools and their effects on social mobility; class, race, and gender stratification in achievement and attainment; tracking/ability grouping; theories and empirical work on social and cultural capital; school choice; and cross-national expansion of education. Our readings will cover both qualitative and quantitative studies in the field.

Prerequisite(s): Course restricted to AMCS, CALS and MAMS Majors only.

Typically Offered Fall Odd Years
Grading: OPT

CALS 458 - CALS Research and Methodology

Unit(s): 4 This course introduces students to advanced research theories and methodologies. Students will develop and refine their research and information literacy competencies as they complete a semester-long original research project.

Crosslisted: AMCS 480
Typically Offered Fall Only
Grading: OPT

CALS 460 - Cross-Cultural Math and Science for Teachers

Unit(s): 3 This course helps prospective teachers prepare for the classroom, providing linguistic and cultural depth and strategies in basic science areas and math concepts including number systems and problem-solving, metrics, geometry, probability, and statistics.

Prerequisite(s): functional Spanish language skills and completion of GE math and science (GE Areas B1 and B2) requirements.

Typically Offered Not Recently Offered
Teaching Mode: Taught in bilingual format, **Grading:** OPT

CALS 474 - Major Authors in Chicano and Latino Literature

Unit(s): 4 A detailed study of representative authors, genre, period, or region, in consideration of socio-economic, political, and cultural contexts. Requires critical discussion in class, annotated bibliography, and senior-level term paper. Not in core.

Typically Offered Variable Intermittently
Grading: GRD

CALS 479 - Chicano/Latino Art History

Unit(s): 4 An analysis of art as expressed in the historical culture of Chicanos and Latinos, from ancient times to the present. A cultural art history approach. Field trips. Includes a studio practicum when offered for 4 units.

GE Category: Satisfies Ethnic Studies in GE Area C1 (Ethnic Studies in the Fine Arts).

Typically Offered Not Recently Offered
Grading: OPT

CALS 480 - Latin American Migration to the United States

Unit(s): 4 This course provides a broad overview of international migration to the United States, paying particular attention to Latin American migrants. The course attempts to understand what life is like for Latinos involved in migration to and from the United States. Attention is given to the diversity of today's Latin American migrants, their social origins, their adaptation experiences and exits, and contexts of incorporation. The course also analyzes the experiences of different Latin American immigrant groups in the state of California.

Typically Offered Fall Only
Grading: OPT

CALS 495 - Special Studies

Unit(s): 1-4 Independent study on a special topic for upper-division students.

Prerequisite(s): completion and approval of a special studies form.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

CALS 499 - Internship

Unit(s): 1-4 An internship in Chicano and Latino Studies must combine: 1) service in a school or an agency where activity is related to the Latino community; 2) the selection of a topic for observation and study; 3) preparation of a bibliography and a reading list related to the internship activity; 4) a term paper that reflects both the internship work experience and appropriate research. The internship must be proposed and arranged ahead of time with the professor in CALS who will supervise the internship.

Prerequisite(s): senior-level standing and completion of most CALS core classes. This

Typically Offered Fall & Spring **May Be Repeated** Course may be repeated once for credit.
Grading: GRD

Criminology and Criminal Justice Studies

CCJS 201 - Criminal Justice and Public Policy

Unit(s): 4 A systematic analysis of the effectiveness and influence of criminal justice policy and practice throughout the criminal justice system. The focus is on the development and implementation of crime control policy.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Fall & Spring

Grading: OPT

CCJS 330 - Government and the Rule of Law

Unit(s): 4 Nature and development of law and legal institutions from philosophical, historical, comparative, and contemporary perspectives; interrelationships of law, morality, and custom; social control, legal change, and social change; and the legal profession.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors and Juniors or Seniors only.

Typically Offered Variable Intermittently

Grading: GRD

CCJS 340 - Law Enforcement and Drug Legislation

Unit(s): 4 An examination of issues and problems posed by the licit and illicit use of drugs for the administration of justice and corrections. It critically examines social theories and social policies in relation to drugs. Topics to be covered include: the origins of the contemporary drug crisis in the United States; the development of criminal justice policies regarding drug use; and the varieties of drugs and the destructive problem created by each for law enforcement, adjudication, and corrections. Some emphasis will be placed on economics, politics, and international relations as a factor in enforcement policies.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors only.

Typically Offered Variable Intermittently

Grading: OPT

CCJS 350 - Drugs and Society

Unit(s): 4 Analyzes drug use, misuse, and abuse in society using sociological theories. Explores drug policies and control of drug use, current sociological drug research, and how the media shapes drug perceptions. Highlights various legal and illegal drugs and their societal consequences.

Crosslisted: SOCI 340

Typically Offered Fall & Spring

Grading: GRD

CCJS 370 - Seminar in Research Methods

Unit(s): 4 A consideration of the methods used by criminal justice researchers in a variety of basic and applied settings. Topics include the choice of a problem, ethical issues, the logic of science, measurement, sampling procedures, surveys, coding, experimentation, observation, and summarizing findings.

Prerequisite(s): Prerequisites: Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Fall & Spring

Grading: GRD

CCJS 375 - Current Issues in Criminology and Criminal Justice

Unit(s): 4 An in-depth examination of selected topics and issues in criminal justice. Specific course topic varies by semester.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors and Juniors or Seniors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

CCJS 399 - Lecture Series

Unit(s): 2 A weekly meeting or meetings offering presentations and discussions by guest lecturers on issues of current interest and importance.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for a total of 4 units.

Grading: OPT

CCJS 404 - Introduction to Constitutional Law

Unit(s): 4 A survey of selected areas of constitutional law and Supreme Court decision-making, considering the political and social influences as well as doctrinal forces which have produced various policies and interpretations.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** POLS 423

Typically Offered Fall & Spring
Grading: GRD

CCJS 405 - Rights of the Accused

Unit(s): 4 Leading constitutional cases in criminal justice including: search and seizure, death penalty, electronic surveillance, privilege against self-incrimination, jury trial, right to counsel, and double jeopardy, will be studied in detail.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** POLS 422

Typically Offered Spring Only
Grading: GRD

CCJS 407 - Police, Courts, and Community Relations

Unit(s): 4 Provides a comprehensive introduction to policing in the United States. Examines the process of policing, police behavior, organization, operations, and their historical perspectives. Covers the relationship between the police and the public as well as the role of courts in controlling and guiding police behavior. Reviews critical issues confronting the police and the best policies and practices in policing.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Variable Intermittently
Grading: GRD

CCJS 420 - Seminar in Criminology

Unit(s): 4 An in-depth analysis of theories of criminal behavior; psychological, sociological, and biological factors; professional criminals, white collar crimes, and other selected examples of deviant behavior and their relationship to agencies of social control.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Fall & Spring
Grading: GRD

CCJS 430 - Women and Crime

Unit(s): 4 An in-depth analysis of women/girls and crime in the field of criminology and criminal justice. The class examines the significance of gender in pathways to crime as well as the nature and extent of female offending, victimization, and incarceration. The course focuses on

feminist theory and methodology.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Variable Intermittently
Grading: GRD

CCJS 441 - Deviant Behavior

Unit(s): 4 The social causes and consequences of delinquency, criminality, addiction, insanity, social unconventionality, and other "deviant" behavior. Examines the conversion and commitment to deviant worldviews, and the social processes involved in the transformation to a deviant identity.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** SOCI 314

Typically Offered Variable Intermittently
Grading: OPT

CCJS 450 - Punishments and Corrections

Unit(s): 4 Provides an in-depth analysis of the correctional system, including prisons, jails, probation, parole, and community corrections. Examines the history and purpose of punishment and the goals of corrections. Reviews contemporary issues and policies affecting corrections.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** SOCI 450

Typically Offered Fall & Spring
Grading: GRD

CCJS 470 - Media, Crime, and Criminal Justice

Unit(s): 4 Examines the role and significance of mass media in the field of criminology and criminal justice, including lawmaking, law breaking, and the responses to rule violations. The course covers the historical and contemporary media coverage of crime and criminal justice; the structure and content of media coverage of crime and related information; as well as the role and importance of media in the formation of citizen attitudes and behavior, decision-making, and public policy.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Variable Intermittently
Grading: GRD

CCJS 480 - White Collar Crime

Unit(s): 4 Examines the various forms, causes, and consequences of white collar crime compared to other crime; reviews relevant theory and research; considers the reason for the difficulties in detection and prosecution and issues surrounding punishment; and examines the efficacy of prevention strategies.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Variable Intermittently

Grading: GRD

CCJS 489 - Civil Liberties and the Constitution

Unit(s): 4 An examination of fundamental principles of constitutional law that govern and constrain the powers and operations of criminal justice agencies and their personnel. The rights and immunities guaranteed by the Constitution in general, and the civil liberties, rights, and freedoms protected by the Bill of Rights will be covered. Rights of the accused will also be considered.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** POLS 424

Typically Offered Fall Only

Grading: GRD

CCJS 490 - Senior Seminar in Criminology and Criminal Justice Studies

Unit(s): 4 A comprehensive synthesis and examination of the theoretical concepts and empirical findings of other courses in the major curriculum. Areas of special interest to the instructor and the students will be closely studied.

Prerequisite(s): Senior-level standing and/or consent of instructor. Graduation Application submitted to Admissions and Records.

Typically Offered Fall & Spring

Grading: GRD

CCJS 494 - Interdisciplinary Seminar

Unit(s): 1-4 An exploration of selected criminal justice topics from an interdisciplinary perspective. Themes and topics may vary.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors and Sophomores, Juniors or Seniors only.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

CCJS 495 - Special Studies

Unit(s): 1-4 The supervised study of a particular problem or area of interest selected by the student in consultation with a sponsoring faculty member. Regular meetings will be arranged for discussions and progress evaluations, and a term paper is required.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

CCJS 497 - Juvenile Justice

Unit(s): 4 An exploration of the nature and extent of juvenile delinquency, including serious or violent crime. The major theories of delinquency causation are reviewed. The course will be devoted to the juvenile justice system and how it processes youths accused of crime. The nature and function of all major segments of the juvenile justice system will be discussed, including law enforcement, juvenile court, and corrections. The legal rights of juveniles will also be reviewed. Finally, the current policy issues in juvenile justice will be explored.

Prerequisite(s): Course restricted to CCJS Majors, Juniors and Seniors only. **Crosslisted:** SOCI 366

Typically Offered Fall & Spring

Grading: GRD

CCJS 499 - Internship

Unit(s): 4 In consultation with the internship coordinator, the students selects a public, private, or community agency; gains field experience under the supervision of agency heads; and meets with the internship coordinator to discuss progress.

Prerequisite(s): Course restricted to Criminology and Criminal Justice Studies Majors and Minors and Juniors or Seniors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for a total of 8 units.

Grading: CNC

Computer and Engineering Science

CES 400 - Linear Systems Theory

Unit(s): 3 Lecture: 3 hours Analysis of linear time-invariant systems, correlation, convolution, impulse response, complex variables, Fourier series and transform, sampling, filtering, modulation, stability and causality, feedback and control systems, Laplace and Z-transform, fast Fourier transforms.

Prerequisite(s): MATH 241 or consent of instructor.

Crosslisted: MATH 430 and ES 400

Typically Offered Variable Intermittently

Grading: OPT

CES 430 - Photonics

Unit(s): 3 Lecture: 3 hours Lasers, diode lasers and LED's, fiber optics, and optical radiation detectors.

Prerequisite(s): a course in modern Physics (such as PHYS 314) and electromagnetism (such as PHYS 430).

Crosslisted: PHYS 445 and ES 445

Typically Offered Variable Intermittently

Grading: GRD

CES 432 - Physics of Semiconductor Devices

Unit(s): 3 Lecture: 3 hours conductor and p-n junctions, p-n junction diodes, bipolar junction transistors, field effect transistors, CCD's, and photonic devices and integrated circuits. Projects in photolithography, conductivity and contact resistance measurements, I-V and C-V characteristics of diodes, characterization of transistors may be assigned.

Prerequisite(s): ES 230 or PHYS 314 or consent of instructor. **Crosslisted:** PHYS 475 and ES 432

Typically Offered Variable Intermittently

Grading: GRD

CES 440 - Introduction to Networking and Network Management

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours The ISO reference model, theoretical basis for data communications, data transmission theory and practice, telephone systems, protocols, networks, internetworks, with examples.

Prerequisite(s): ES 440 or consent of instructor.

Crosslisted: ES 465

Typically Offered Variable Intermittently

Grading: OPT

CES 490 - Selected Topics in CES

Unit(s): 1-3 Special topics to introduce new emerging fields, provide foundation for advanced graduate level courses, or augment other courses in computer and engineering science.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

CES 494 - Directed Readings

Unit(s): 1-3 Independent study under a faculty member. The proposal must be approved by the graduate advisor if the course is to apply towards degree requirements.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 500 - Queuing and Transform Theory

Unit(s): 3 Lecture: 3 hours Review of probability theory, fundamentals of transform theory, Fourier and Z-transforms. Markovian and discrete time queuing systems, single and multi server queuing networks, and their applications. The course may require significant lab and/or project activity.

Prerequisite(s): ES 314 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 506 - Operations Management

Unit(s): 3 Production/operations management of manufacturing and service operations. Topics include forecasting and scheduling, material requirements planning, and quality assurance. Additional tools include inventory control, project management, and product development. Modern techniques such as Supply Chain Management, e-business, Just-in-Time, and Total Quality Management are illuminated.

Crosslisted: BUS 516

Typically Offered Variable Intermittently

Grading: GRD

CES 510 - Intelligent Systems Design

Unit(s): 3 Lecture: 3 hours Introduction to adaptive systems: neural networks, genetic algorithms (GAs), fuzzy logic, simulated annealing, tabu search, etc. Specific topics include perceptions, backpropagation, Hopfield nets,

neural network theory, simple GAs, parallel GAs, cellular GAs, schema theory, mathematical models of simple GAs, and using GAs to evolve neural networks.

Prerequisite(s): ES 314 and CES 400, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 512 - Theory of Software Systems

Unit(s): 3 Lecture: 3 hours Review of data structures and basic algorithms for sorting, searching, and string processing. Basics of logic, formal systems, grammars, and automata. Applications to some of the following areas: design of language processing tools (editor, translator etc.), software specification, testing and verification, and non-numerical problem solving. The course may require significant lab and/or project activity.

Prerequisite(s): ES 314 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 514 - Data Mining

Unit(s): 3 Lecture: 3 hours Introduction to data models, data warehousing, association-rule mining, searching the Web, and Web Mining: Clustering. AI techniques (neural networks, decision trees), applications, and case studies. The course may require significant lab and/or project activity.

Prerequisite(s): ES 314 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 516 - High-Performance Computing

Unit(s): 3 Lecture: 3 hours Algorithmic tools and techniques for problems hard to solve on a standard uniprocessor model such as problems involving large data sets or real-time constraints; development of computational models to analyze the requirements and solutions and special hardware based solutions; case studies to illustrate the developed models, tools, and techniques. The course may require significant lab and/or project activity.

Prerequisite(s): ES 314 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 520 - Embedded Systems

Unit(s): 3 Lecture: 3 hours Three major topics covered in this course are: controlling specialized I/O devices with particular attention to bit patterns and priority interrupts; waveshapes and measurement tools, both hardware and software; and real time operating systems.

Prerequisite(s): ES 230, 231, and 310, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 522 - VLSI Design

Unit(s): 3 Lecture: 3 hours IC technology review, hardware description languages and describing hardware using one of the languages, modern VLSI design flow, circuit partitioning, clustering. Floorplanning, placement, global routing, area efficient design, area-time trade-offs. The course may require significant lab and/or project activity.

Prerequisite(s): CES 530 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 524 - Advanced Computer Architecture

Unit(s): 3 Lecture: 3 hours Concept of advanced computing architectures, pipelining, multiprocessing, and multiprogramming. Single- and multi-stage interconnection networks, applications/algorithms for parallel computers, local and system bus architectures, CPU and computer system performance analysis. The course may require significant lab and/or project activity.

Prerequisite(s): ES 310 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CES 530 - Analog and Digital Microelectronics

Unit(s): 3 Lecture: 3 hours Introduction to analog/digital integrated circuits, bipolar and MOS transistor models, analysis and design of monolithic operational amplifiers, frequency response, non-linear circuits and CMOS, and Bipolar Logic Circuits. The course requires lab and/or project activity.

Prerequisite(s): ES 230, ES 231 and CES 432, or consent of instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 532 - Advanced Photonics Devices

Unit(s): 3 Lecture: 3 hours Optical resonators, interaction of photons with materials, LEDs, laser diodes, optical amplifiers, optical noise, photoconductors, electrooptic modulators, photonic switches, nonlinear optical materials and devices. The course requires lab and/or project activity.

Prerequisite(s): CES 430 or equivalent.
Typically Offered Variable Intermittently
Grading: GRD

CES 540 - Digital Data Transmission

Unit(s): 3 Characteristics of base-band and bandpass channels, optimum signaling sets, and receivers for digital communications; effect of noise and intersymbol interference on probability of error; channel capacity; introduction to phase-locked loop analysis for timing and carrier synchronization.

Prerequisite(s): CES 400, and CES 440 or consent of instructor.
Typically Offered Variable Intermittently
Grading: GRD

CES 542 - Digital Signal Processing

Unit(s): 3 Lecture: 3 hours Time/frequency analysis of discrete-time signals and systems. Fast implementations of the DFT and its relatives. IIR and FIR digital filter design, implementation, and quantization error analysis. Decimation, interpolation, and multirate processing.

Prerequisite(s): CES 400 or consent of instructor.
Typically Offered Variable Intermittently
Grading: GRD

CES 543 - Optical Fiber Communications

Unit(s): 3 Lecture: 3 hours Lightwave fundamentals, optical fiber as transmission media, losses and bandwidth, fiber cables. Optical sources, detectors. Optical components such as switches, access couplers, wavelength multiplexers and demultiplexers. Analog and digital transmission techniques, line coding techniques, optic heterodyne receivers, thermal and shot noise, bit error rates, optical transmission system design. Optical T-carrier systems and SONET, future directions. The course may

require significant lab and/or project activity.

Prerequisite(s): PHYS 230, PHYS 231 and CES 440, or consent of instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 544 - Wireless Communication

Unit(s): 3 Lecture: 3 hours Introduction to mobile/wireless communication systems, cellular communication, data transmission and signaling, noise and intelligence, analog and digital techniques, multiple-access architecture. The course requires lab and/or project activity.

Prerequisite(s): ES 230-231 and CES 440, or consent of instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 547 - Digital Switching: Techniques and Architectures

Unit(s): 3 Lecture: 3 hours Review of switching techniques, synchronous and asynchronous transfer modes (i.e., STM and ATM), and various switch architectures. Multirate and multipoint-to-multipoint switching, ATM switching, signaling and call set-up, ATM switch-architectures and their performance evaluation, and multicasting techniques. VLSI implementation considerations, future directions. The course may require significant lab and/or project activity.

Prerequisite(s): MATH 345, ES 230, ES 231, and CES 440, or consent of instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 552 - Network Architecture and Protocols

Unit(s): 3 Lecture: 3 hours ISO model, review of the physical and data link layers, network layer and routing including for internet, multicast routing, TCP and UDP protocols and their characteristics, performance and limitations, TCP/IP stack, applications such as FTP, e-mail and DNS, voice over IP. The course may require significant lab and/or project activity.

Prerequisite(s): CES 440 or consent of instructor.
Typically Offered Variable Intermittently
Grading: GRD

CES 561 - Computational Techniques for Biomolecules

Unit(s): 3 **Typically Offered** Variable Intermittently
Grading: GRD

CES 562 - Biomedical Instrumentation

Unit(s): 3 **Typically Offered** Variable Intermittently
Grading: GRD

CES 563 - Biophotonics

Unit(s): 3 **Typically Offered** Variable Intermittently
Grading: GRD

CES 564 - Medical Image Processing

Unit(s): 3 **Typically Offered** Variable Intermittently
Grading: GRD

CES 590 - Selected Topics in Communications and Photonics

Unit(s): 3 Special topics to augment regularly scheduled graduate courses in communications and photonics will be presented.

Prerequisite(s): Prerequisites depend on subject material.

Typically Offered Variable Intermittently
Grading: OPT

CES 591 - Internship

Unit(s): 1 Internship will be done at an industry, R&D laboratory, government organization, or a laboratory or center at an academic institution to gain professional training, teamwork experience, communication skills, and project opportunities that will prepare students for a successful career in the real world.

Typically Offered Variable Intermittently
Grading: CNC

CES 592 - Selected Topics in Hardware and Software Systems

Unit(s): 3 Special topics to augment regularly scheduled graduate courses in hardware and software systems will be presented.

Prerequisite(s): Prerequisites depend on subject material.

Typically Offered Variable Intermittently
Grading: OPT

CES 592B - Selected Topics in Bioengineering

Unit(s): 3 **Lecture:** 3 hours Special topics to augment regularly scheduled graduate courses in bioengineering will be presented.

Prerequisite(s): consent of the instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 593 - Laboratory and Technology Report Experience

Unit(s): 3 **Lecture:** 1 hour **Laboratory:** 6 hours In this course, students will learn to operate state-of-the art equipment in at least 6 laboratories, perform experiments, and write lab reports. In addition, students will write a technical report on a state-of-the art topic within the scope of the master's program of at least 3000 words excluding figures and tables. (The course cannot be taken to meet 30-unit requirement under thesis or project option unless approved by the Program Director.

Prerequisite(s): permission of student's advisor.

Typically Offered Variable Intermittently
Grading: GRD

CES 594 - Directed Readings

Unit(s): 1-3 Independent study under a faculty member. The proposal must be approved by the graduate advisor if it is to apply towards degree requirements.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently
Grading: GRD

CES 595 - Design Project

Unit(s): 1-3 The project plan, timetable, necessary resources, and the expected outcome must be approved by a faculty project advisor and the program advisor at least one semester before taking the course.

Prerequisite(s): admission of candidacy for the Master's degree and approval of the faculty advisor.

Typically Offered Variable Intermittently
Grading: OPT

CES 596 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or design project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): consent of faculty thesis/project advisor.

Typically Offered Variable Intermittently

Grading: OPT

CES 597 - Graduate Seminar

Unit(s): 1 Series of lectures presented by experts from academia and industries.

Typically Offered Variable Intermittently

Grading: OPT

CES 598 - Comprehensive Examination

Unit(s): 1 In this four-hour examination, the student's overall understanding of important concepts of the core courses and the main subjects of each track will be tested.

Prerequisite(s): advancement to candidacy for the master's degree and approval of the graduate advisor.

Typically Offered Variable Intermittently

Grading: OPT

CES 599 - Research and Thesis

Unit(s): 1-6 **Prerequisite(s):** admission of candidacy for the master's degree and approval of the thesis advisor.

Typically Offered Variable Intermittently

Grading: OPT

Chemistry

CHEM 102 - Chemistry and Society

Unit(s): 3 **Lecture:** 2 hours **Laboratory:** 3 hours An introductory course in chemistry for non-majors. Covers the basics of chemistry related to everyday life. The laboratory will consist of experiments covering chemical principles and phenomena discussed in the lecture.

GE Category: Satisfies GE Area B1 (Physical Sciences) and the GE laboratory requirement.

Typically Offered Fall & Spring

Grading: OPT

CHEM 105 - Elements of General, Organic, and Biochemistry

Unit(s): 5 **Lecture:** 4 hours **Laboratory:** 3 hours A survey of the principles of chemistry, with emphasis placed on those that apply to living organisms. The course is designed for students in Nursing and majors that do not require further courses in Chemistry. Course is not a prerequisite for any chemistry course.

GE Category: Satisfies GE, Area B1 (Physical Sciences) and the GE laboratory requirement.

Typically Offered Fall Only

Grading: OPT

CHEM 107 - Introduction to Physical Science for Teachers

Unit(s): 3 **Lecture:** 3 hours A non-mathematical course designed to introduce students to a range of topics in physics and chemistry that are required by the California Science Standards for grades K-8, including the laws of motion, energy, the structure of matter, the states of matter, electricity and magnetism, and light and optics. Lectures include many demonstrations to illustrate physical science principles and students will be asked to think about how they would demonstrate or explain various concepts.

Typically Offered Fall Only

Grading: OPT

CHEM 110 - Introductory General Chemistry

Unit(s): 3 **Lecture:** 3 hours Develop fundamental knowledge and necessary skills in General Chemistry for students who plan to major in science or pre-health programs.

GE Category: Satisfies GE Area B1.

Typically Offered Variable Intermittently

Recommended Recommended for students with no prior chemistry background or as a refresher course to enhance an insufficient chemistry background.

Grading: GRD

CHEM 115A - General Chemistry

Unit(s): 5 **Lecture:** 3 hours **Discussion:** 1 hour **Laboratory:** 3 hours Principles of chemistry for students

in science, pre-health, and related areas of study. This course will introduce students to science and scientific thought by using problem-solving strategies in both a conceptual and mathematical manner. First semester topics include atomic and molecular structure, states of matter, chemical reactions, stoichiometry, and thermodynamics. Second semester topics include kinetics, equilibrium, buffers, and electrochemistry.

Prerequisite(s): GE math placement.

GE Category: Satisfies GE Area B1 (Physical Sciences), and laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

CHEM 115B - General Chemistry

Unit(s): 5 **Lecture:** 3 hours **Discussion:** 1 hour

Laboratory: 3 hours Continuation of CHEM 115A.

Prerequisite(s): CHEM 115A.

GE Category: Satisfies GE Area B1 (Physical Sciences), and laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

CHEM 120A - Thinking Like a Scientist

Unit(s): 2 First course of a two-course series. Topics include logic, critical thinking, the scientific method, data analysis, statistics, ethics, science and society, problem solving, and college transition elements.

Prerequisite(s): Freshman status and concurrent enrollment in CHEM 125A and GE math eligible.

GE Category: Upon completion of CHEM 120B in the spring with a C or better, the course will satisfy the category A3 GE requirement.

Typically Offered Fall Only

Grading: GRD

CHEM 120B - Thinking Like a Scientist

Unit(s): 2 Second course of a two course series. Topics include logic, critical thinking, the scientific method, data analysis, statistics, ethics, science and society, problem solving, and college transition elements. Students should be concurrently enrolled in CHEM 125B.

Prerequisite(s): CHEM 120A and concurrently enrolled in CHEM 125B

GE Category: Upon completion of CHEM 120B with a C- or better, the course will satisfy the category A3 GE

requirement..

Typically Offered Spring Only

Grading: GRD

CHEM 125A - Quantitative General Chemistry

Unit(s): 5 **Lecture:** 3 hours **Discussion:** 1 hour

Laboratory: 3 hours This one-year analytical general chemistry course is designed for freshmen Chemistry majors, Biochemistry majors, or others interested in chemical fields who have taken High School Chemistry or equivalent. This first semester course (CHEM 125A) will focus on: statistics, atomic structure, stoichiometry, gas laws, redox reactions, equilibrium, and acid/base reactions.

Co-requisite(s): CHEM 120A.

GE Category: Satisfies GE Area B1 (Physical Sciences), and laboratory requirements.

Typically Offered Fall Only

Grading: GRD

CHEM 125B - Quantitative General Chemistry

Unit(s): 5 **Lecture:** 3 hours **Discussion:** 1 hour

Laboratory: 3 hours The second semester (CHEM 125B) starts by applying the topics covered in the first semester to chemical literature, chromatography, spectroscopy, biological chemistry, thermodynamics, electrochemistry, quantum mechanics, bonding, and kinetics. After completion of this course students will receive credit for the full year of general chemistry and one semester of quantitative analysis (CHEM 255).

Prerequisite(s): CHEM 125A. **Co-requisite(s):** CHEM 120B.

GE Category: Satisfies GE Area B1 (Physical Sciences), and laboratory requirements.

Typically Offered Spring Only

Grading: GRD

CHEM 255 - Quantitative Analysis

Unit(s): 4 **Lecture:** 2 hours **Laboratory:** 6 hours Theory and practice of methods of analysis, including volumetric, gravimetric, and selected instrumental techniques.

Prerequisite(s): CHEM 115B.

Typically Offered Spring Only

Grading: GRD

CHEM 275 - Instrumental Analysis

Unit(s): 2 This course focuses on the theory behind commonly used chemistry instruments. Lecture will focus on analysis of spectroscopic data (molecular transitions), an overview of instrumental hardware, and principles of chromatography. Topics include basic electronics, statistics, optics, signal to noise detectors, IR, optical, NMR and fluorescence spectroscopy, mass spectrometry, atomic absorption, and chromatography.

Prerequisite(s): CHEM 335B and CHEM 255 or CHEM 125B.

Typically Offered Fall Only

Grading: GRD

CHEM 310A - Fundamentals of Physical Chemistry

Unit(s): 3 **Lecture:** 3 hours Development and applications of the concepts of thermodynamics, equilibrium, and kinetics.

Prerequisite(s): CHEM 115B or CHEM 125B; MATH 211; PHYS 210B or PHYS 214.

Typically Offered Fall Only

Grading: OPT

CHEM 310B - Fundamentals of Physical Chemistry

Unit(s): 3 **Lecture:** 3 hours Introduction to the concepts of quantum mechanics and its application to chemical bonding and spectroscopy.

Prerequisite(s): CHEM 115B or CHEM 125B; MATH 211, or consent of instructor.

Typically Offered Spring Only

Grading: OPT

CHEM 315 - Introduction to Research Methods in Chemistry

Unit(s): 1 Chemistry 315 is designed for Chemistry majors but may be taken by others. Students will learn about research in Chemistry at SSU and then will choose a research project with a faculty mentor. This course will focus on preparation of a proposal to be performed in the subsequent semester. Topics such as scientific ethics, literature, and writing will also be covered.

Prerequisite(s): CHEM 335B.

Typically Offered Fall Only

Grading: GRD

CHEM 316 - Research Methods in Chemistry

Unit(s): 2 Chemistry 316 is the second part of a year-long course designed for Chemistry majors. Students will execute the research proposal developed in CHEM 315. Research will be done under the mentorship of faculty. Students will meet weekly to discuss research progress. Students will conclude the semester with a research manuscript.

Prerequisite(s): CHEM 315.

Typically Offered Spring Only

Grading: GRD

CHEM 325 - Inorganic Chemistry

Unit(s): 3 **Lecture:** 3 hours Atomic structure, symmetry, and group theory of small molecules and the relationship of these concepts to bonding theory and molecular spectroscopy. Applications of symmetry and group theory to coordination chemistry of transition metal complexes in organometallic, environmental, bioinorganic, and materials chemistry. Other topics include kinetics and reaction mechanisms of inorganic and organometallic compounds including electron transfer.

Prerequisite(s): CHEM 310B and CHEM 401.

Typically Offered Spring Only

Grading: GRD

CHEM 335A - Organic Chemistry

Unit(s): 3 **Lecture:** 3 hours A study of the fundamental principles of organic chemistry including bonding, electrophilicity, nucleophilicity, and molecular shapes and geometry for organic compounds. Applies these concepts to the study of the properties, syntheses, and reactions of major classes of organic compounds. A special emphasis is given to reaction mechanisms.

Prerequisite(s): CHEM 115B.

Typically Offered Fall & Spring

Grading: OPT

CHEM 335B - Organic Chemistry

Unit(s): 3 **Lecture:** 3 hours Continuation of CHEM 335A.

Prerequisite(s): CHEM 335A.

Typically Offered Fall & Spring

Grading: OPT

CHEM 336A - Organic Chemistry Lab I

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours
Fundamental techniques in organic chemistry, emphasizing separation techniques, modern instrumental methods, and qualitative organic analysis. Designed to complement CHEM 335A.

Prerequisite(s): CHEM 335A. **Co-requisite(s):** CHEM 335A.

Typically Offered Fall & Spring

Grading: OPT

CHEM 336B - Organic Chemistry Lab II

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours
Fundamental techniques of organic chemistry, emphasizing synthetic organic chemistry, modern instrumental methods, and qualitative organic analysis. Designed to complement CHEM 335B.

Prerequisite(s): CHEM 336A and 335B. **Co-requisite(s):** CHEM 335B.

Typically Offered Spring Only

Grading: OPT

CHEM 397 - Chemistry Practicum

Unit(s): 1-6 Supervised chemistry work experiences that involve practical application of previously studied theory. Intended for professional growth and/or collection of data for future theoretical interpretation.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to a total of 6 units. Two hours of work per week for each unit of credit.

Grading: CNC

CHEM 401 - Senior Integrated Lab

Unit(s): 3 Discussion: 1 unit **Laboratory:** 2 units This course focuses on making connections between the sub-disciplines of chemistry by performing experiments that cross over between these sub-disciplines in this capstone course. Students will perform experiments independently. Students will learn to properly write up their results in a format similar to published papers. This course is for graduating seniors and is the capstone for B.A. Chemistry majors.

Prerequisite(s): CHEM 255 and senior standing. CHEM 275. Completion of GE Areas A1, A2, A3, and B4 with C- or better. Completion of GE Areas B1 and B2. **Co-requisite(s):** CHEM 275

GE Category: Satisfies GE Area Upper Division B (Science/Quantitative Reasoning).

Typically Offered Fall Only

Grading: GRD

CHEM 402 - Advanced Synthesis and Instrumental Analysis

Unit(s): 3 Lecture: 1 hour **Laboratory:** 6 hours Project-based synthesis, purification, and characterization of inorganic, organic, and organometallic molecules. Capstone course for the B.S. chemistry degree. Topics will include air-sensitive syntheses, standard Schlenk line techniques, characterization through IR, optical and NMR spectroscopy, mass spectrometry, and electrochemistry. This course is for graduating seniors and is the capstone for BS Chemistry majors.

Prerequisite(s): CHEM 401.

Typically Offered Spring Only

Grading: GRD

CHEM 441 - Biochemical Methods

Unit(s): 3 Project based course involving characterization of proteins from natural sources utilizing biochemical methods and experimental design techniques common in biotechnology and research. This course is for graduating seniors and is the capstone for B.S. Biochemistry majors.

Prerequisite(s): CHEM 445 or CHEM 446 (may be concurrent), CHEM 255, and a foundation in spectroscopy; kinetics strongly recommended.

Typically Offered Spring Only

Grading: GRD

CHEM 445 - Structural Biochemistry

Unit(s): 3 Lecture: 3 hours A study of the structure-function relationships of amino acids, proteins, enzymes, carbohydrates, lipids, and nucleic acids. Also includes topics such as enzyme kinetics, membrane transport, and signaling.

Prerequisite(s): CHEM 335B and a foundation in kinetics and thermodynamics, or consent of instructor.

Typically Offered Fall Only

Grading: GRD

CHEM 446 - Metabolic Biochemistry

Unit(s): 3 Lecture: 3 hours A study of bioenergetics and the metabolism of biological molecules including

carbohydrates, lipids, nucleic acids, and proteins.

Prerequisite(s): CHEM 335B or CHEM 232; CHEM 445 or BIOL 130; and a foundation in kinetics and thermodynamics, or consent of instructor.

Typically Offered Spring Only

Grading: GRD

CHEM 492 - Chemistry Seminar Series

Unit(s): 1 Invited speakers from universities and industry will present on current topics in the chemical and biochemical fields.

Typically Offered Fall & Spring **May Be Repeated** May be repeated; does not count towards the major.

Grading: CNC

CHEM 494 - Undergraduate Research

Unit(s): 1-6 Under supervision by the Chemistry faculty, students will participate in individual investigations of student- or faculty-initiated chemical problems. May be taken only by petition to the Chemistry Department.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated.

Grading: GRD

CHEM 495 - Special Studies

Unit(s): 1-3 Investigation of existing information on a specific or general topic of interest to the student.

Prerequisite(s): consent of instructor; upper-division standing in chemistry or closely related science.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

CHEM 496 - Selected Topics in Chemistry

Unit(s): 1-6 A study of an advanced topic in chemistry.

Prerequisite(s): CHEM 335B.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit with new subject matter.

Grading: GRD

CHEM 497 - Research Seminar

Unit(s): 1 Laboratory: 3 hours Capstone course for B.A. and B.S. degrees. The course will focus on techniques involved in the preparation and delivery of technical seminars. This final project will be a formal oral presentation to the Chemistry department on a research paper from the chemical literature or the student's undergraduate research project. Instruction includes the appropriate coverage of the selected topic, use of the chemical literature, and the preparation and use of PowerPoint, graphic, and web-based applications to create an informative talk.

Prerequisite(s): CHEM 401. **Co-requisite(s):** CHEM 401.

Typically Offered Spring Only

Grading: GRD

CHEM 499 - Internship

Unit(s): 1-4 Chemistry field experience in industrial, hospital, or similar laboratory settings. Enrollment by prior arrangement with supervising faculty member and community sponsor. Please see department advisor for details. Internship assignments may be paid.

Typically Offered Fall & Spring **May Be Repeated** May be repeated.

Grading: CNC

Communication and Media Studies

COMS 125 - Oral Presentation & Media

Unit(s): 3 Discussion: 3 This course is designed to enhance your ability to construct and deliver speeches in a public forum or front of a camera. The method for improving your public speaking will be a combination of theory, critical analysis and practice. By the end of the semester, students should be able to construct and deliver three different types of speeches in front of an audience and be able to critically analyze other speeches.

GE Category: Written & Oral Analysis (A1)

Typically Offered Fall & Spring

COMS 160A - Humanities Learning Community

Unit(s): 4 COMS 160A/COMS 160B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Odd Years

Grading: GRD

COMS 160B - Humanities Learning Community

Unit(s): 4 COMS 160A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): COMS 160A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Even Years

Grading: GRD

COMS 162A - Humanities Learning Community Media Literacy

Unit(s): 4 COMS 162A/COMS 162B is a year long course, which, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE categories. C- or better required in the second semester for A3 credit.

Typically Offered Fall Even Years

Grading: GRD

COMS 162B - Humanities Learning Community Media Literacy

Unit(s): 4 COMS 162A/B is a year long course, which, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): COMS 162A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE categories. C- or better required in the second semester for A3 credit.

Typically Offered Spring Odd Years

Grading: GRD

COMS 200 - Principles of Media Communication

Unit(s): 4 An introduction to the history of mass communication, the mechanics of the mass communication industries, and theories of mass communication as a social, cultural, and political phenomenon.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall & Spring

Grading: GRD

COMS 201 - Video Production

Unit(s): 4 A course for beginning video students. Assignments include: creation of skits and music videos; and conducting interviews using DV camcorders. Students also do a final creative project of their own.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall Only

Grading: GRD

COMS 202 - Methods of Media Criticism

Unit(s): 4 A survey of ways to analyze mediated texts, with a focus on film, television, magazines, music, news, and advertising. Methods and concepts include semiotics, structuralism, ideology, psychoanalysis, feminism, and postmodernism.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall & Spring

Grading: GRD

COMS 210 - Web and Print Journalism

Unit(s): 4 Introduction to a wide range of writing styles and formats, from hard news to features. Students learn to write for newspapers, magazines, television, radio, and the internet.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Spring Only

Grading: GRD

COMS 215 - Digital Media Design and Content Delivery

Unit(s): 4.00 A hands-on exploration of digital design and communication fundamentals, including how multimedia content is presented and delivered to audiences; best practices for website and mobile UX and UI; trends in audio, video, text, photo, and graphic usage via mobile, social, and digital media; and other emerging interactive media trends.

Typically Offered Variable Intermittently

Grading: GRD

COMS 240 - Public Relations

Unit(s): 4 An overview of the history, structure, and organization of public relations. Students also learn the basic public relations tactics of writing, presentation, event organization, and web communication.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Spring Only

Teaching Mode: Taught face-to-face during the semester, hybrid or online during winter and summer session. **Grading:** GRD

COMS 265 - Radio and Audio Production

Unit(s): 4 History of broadcasting; evolution of broadcast technology; introduction to basic theories and techniques of radio broadcasting. Overview of radio station organization, programming, and operation. Experience in radio program development and production techniques.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall Only

Grading: GRD

COMS 273 - SYRCE: Topics in COMS

Unit(s): 4 This course examines seminal moments in history that shaped the future of media by identifying key tropes in the encoding and decoding of content. The course critiques traditional values, ethics and philosophies in order to portray the truth of the times as viewed through the lens of mediated communications.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: GRD

COMS 275 - 21st Century Television As Art

Unit(s): 4 This course explores the "New Golden Age" of TV that arguably began with The Sopranos and which may, perhaps, be considered "art." Students will weigh relevant social and technological changes, study debates over subjectivity, taste, and cultural hierarchies, and assess what might distinguish these new shows from TV of old. Non-Majors Need Dept, Approval.

GE Category: Satisfies GE Area C1 (Fine Arts, Theatre, Dance, Music, and Film).

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Online. **Grading:** OPT

COMS 301 - Media Theory and Research

Unit(s): 4 Intermediate-level study of the key research events that contributed to the development of communication theories, government policy, and the emergence of communication as an academic discipline.

Prerequisite(s): Prerequisite: Communication Studies Juniors, Seniors; Either completion of COMS 200 and 202 or completion of COMS 200 and concurrent enrollment of COMS 202 or completion of COMS 202 and concurrent enrollment of COMS 200.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Online. **Grading:** GRD

COMS 302 - Media Ethics and Law

Unit(s): 4 The course will examine controversial ethical issues related to the media including sensationalism, bias, and deception. It will also cover how the media is regulated, as well as legal issues related to the First Amendment, libel, privacy, copyright, confidentiality, obscenity, the right to a fair trial, advertising law the Freedom of Information and Open Meetings Acts.

Prerequisite(s): Prerequisite: Communication Studies Juniors, Seniors; Either completion of COMS 200 and 202 or completion of COMS 200 and concurrent enrollment of COMS 202 or completion of COMS 202 and concurrent enrollment of COMS 200.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Online. **Grading:** GRD

COMS 320 - Selected Topics in COMS

Unit(s): 4 Intensive study of various topics and trends in the mass media, including advertising, propaganda and persuasion; children and the media; technical and scriptwriting; environmental and international communication; and film.

Prerequisite(s): Class open to Communication Studies majors only

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for additional credit with new subject matter.

Teaching Mode: Face-to-Face & Online. **Grading:** GRD

COMS 321 - International Communication

Unit(s): 4 Course develops a basic understanding of current issues related to the field of international communication. Surveys readings and videos on global media (MTV, CNN, ESPN, theme parks, video games, advertising, media campaigns for social change, computer hackers, Sesame Street, etc.). Overseas job and volunteer opportunities discussed.

Prerequisite(s): Class open to Communication Studies majors only

Typically Offered Variable Intermittently

Grading: GRD

COMS 322 - Broadcast Journalism

Unit(s): 4 Introductory class on the art and craft of Journalism, print, video, and radio, by career professionals. Designed to give students a taste of real world media experience.

Prerequisite(s): Class open to Communication Studies majors only

Typically Offered Variable Intermittently

Grading: OPT

COMS 323 - Health Science and Environmental Journalism

Unit(s): 4 Course will focus on research, reporting skills to produce magazine articles, or video/radio documentaries on health, science, and the environment. Other assignments include press releases, profiles, and memos. Lecture, videos, and field trips help to critique news, public relations, advertisements, PSAs, campaigns, film, television, music, and the internet on related issues.

Prerequisite(s): Class open to Communication Studies majors only

Typically Offered Not Recently Offered

Grading: GRD

COMS 324 - Scriptwriting for TV

Unit(s): 4 Course focuses on fundamentals of writing professional-level scripts for video, television, and film productions. Assignments include lab work and homework producing scripts and storyboards for Public Service Announcements (PSAs), commercials, news packages, documentaries, corporate and educational training programs, and dramatic screenplays.

Typically Offered Variable Intermittently

Grading: GRD

COMS 325 - New Media

Unit(s): 4 This course introduces students to new communication technology, its influence on society, and how to write for the new media environment. This course will focus on examining new communication technologies including the different ways in which these technologies are used, the theoretical models that are relevant to new communication technology as well as the practical applications and implications of new communication technology on communication.

Typically Offered Variable Intermittently

Grading: GRD

COMS 326 - Advanced Presentation Techniques

Unit(s): 4 Course involves intensive self-evaluation of both verbal and non-verbal elements of presentation. Interviews, group communications, and presenting with multimedia are covered. Theories of communication are discussed as they relate to presentation styles.

Prerequisite(s): Junior-level standing required.

Typically Offered Variable Intermittently

Grading: GRD

COMS 328 - America at the Movies

Unit(s): 4 An examination of the sociopolitical meanings and significance of American film from the silent era to the present. To better understand how films can potentially reflect and affect society, students read about American history and analyze dozens of films in their particular historical contexts.

Prerequisite(s): Class open to Communication Studies

Juniors, Seniors and Graduates.

Typically Offered Variable Intermittently

Grading: GRD

COMS 329 - "Reality" TV and Film

Unit(s): 4 How is "reality" mediated in film and television? In this course students examine the truthfulness, ethics, and sociopolitical implications of such forms and genres as the documentary, neorealism, Dogme 95, tabloid talk shows, voyeurism/confession shows, crime shows, freak shows, and contest/game shows.

Prerequisite(s): Class open to Communication Studies majors only

Typically Offered Not Recently Offered

Grading: GRD

COMS 340 - Public Relations Firm

Unit(s): 4 This is a hands-on class for students who are planning to work in the field of public relations. The class is run as a public relations firm with students working as consultants with clients to develop plans and projects for public relations campaigns.

Prerequisite(s): COMS 240. Open to Juniors, Seniors and Graduates only. Non major needs Dept. approval

Typically Offered Fall & Spring

Grading: GRD

COMS 368 - Newspaper Writing/Editing (STAR)

Unit(s): 4 The faculty advisor offers a comprehensive evaluation -- oral and written -- of the most recent edition of the campus newspaper, the STAR. Instruction is provided on a wide variety of journalism topics, from editing and reporting to ethics and law. Students are required to read the STAR and the written evaluation by the advisor.

Prerequisite(s): COMS 210.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to 12 units.

Grading: OPT

COMS 369 - Studio Blue

Unit(s): 4 This is an essential class for students who will work in the Broadcasting Industry. Students will learn about the history, structure, and operations of local broadcasting. Students will be expected to work in a specific department of Studio Blue during the semester.

Prerequisite(s): COMS 201 or COMS 369 or consent of instructor, and restricted to COMS majors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 12 units.

Grading: OPT

COMS 385 - Media Lab: Radio (KSUN)

Unit(s): 4 A media lab to develop a range of skills in the production of radio programs. Work focuses on the production of live and prerecorded pieces for KSUN, SSU's internet radio station (www.sonoma.edu/ksun). The lab also serves as the staff meeting of the radio station.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to 12 units.

Grading: OPT

COMS 402 - Senior Seminar

Unit(s): 4 Students will share at least one critical analysis of a specific media message and complete a senior-level project/portfolio/study, which is the culmination of their major experience.

Prerequisite(s): Prerequisite: Communication Studies Seniors or Graduates and completion of COMS 301 and 302 required.

Typically Offered Fall & Spring **May Be Repeated** Cannot be repeated for credit.

Teaching Mode: Course is taught Face to face during the semester and may also be offered Hybrid or Online during winter and summer session. **Grading:** GRD

COMS 435 - Seminar in Mass Media

Unit(s): 4 Seminar provides an opportunity to gain new insights into social problems through an intensive analysis of the role and impact of mass communication in contemporary society. Emphasis is on exploring, through a major research project, social issues that should be, but are not, fully covered by the mass media.

Prerequisite(s): Course restricted to Communication Studies Majors. **Crosslisted:** SOCI 435

Typically Offered Variable Intermittently

Grading: OPT

COMS 460 - Teaching Assistant in Communication Studies

Unit(s): 1-4 Intended to give students experience assisting instructors. Teaching Assistants help teach, do research, and tutor students in classes. Consent of instructor and department contract required.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

COMS 470 - Research Assistant in Communication Studies

Unit(s): 1-4 Intended to give selected students experience in the construction and implementation of a professor's research project. Consent of instructor and department contract required.

Prerequisite(s): Course restricted to Communication Studies Majors.

Typically Offered Fall & Spring

Grading: OPT

COMS 495 - Special Studies

Unit(s): 1-4 Supervised study of a particular problem or area of interest in the media selected by the student in consultation with a sponsoring faculty member. Meetings will be arranged for discussions and progress evaluations.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units. Consent of instructor and Special Study 495 contract required.

Grading: OPT

COMS 499 - Media Internship

Unit(s): 1-4 This class provides students with an opportunity to discover how to make an effective transition from the classroom to the workplace. For a semester, individuals work in a media firm, business, newspaper, radio, or TV station. On the job, students learn networking and negotiating skills. Assignments for class include: a resume, workplace lingo, self-evaluation, profile of supervisor, and album with photos and text that describe the experience. There is also an interview for a job. Seniors only. Consent of instructor, internship agreement form, and department contracts required. Can be taken for up to 12 units only.

Prerequisite(s): Class open to Communication Studies

Seniors and Graduate Students only.

Typically Offered Fall & Spring

Grading: GRD

Counseling

COUN 494 - Counseling Experience

Unit(s): 1 Participation in personal counseling conducted by a graduate student in the counseling M.A. program under the direct supervision of a counseling department faculty member. Students generate a written evaluation of the counseling experience. Students compile a weekly journal and write a summary essay.

Prerequisite(s): instructor consent.

Typically Offered Spring Only **May Be Repeated** May be repeated once.

Grading: CNC

COUN 496 - Migrant-Education Advisor Program

Unit(s): 1-4 School-based counseling experience supervised by Counseling department faculty. Under the guidance of the instructor, undergraduate students advise, counsel, and mentor K-12 students with a migrant background.

Prerequisite(s): participation in the Migrant Education Advisor Program (MEAP) and consent of the instructor.

Typically Offered Fall & Spring

Grading: CNC

COUN 501 - Counseling Theories and Professional Orientation

Unit(s): 4 An orientation to professional counseling focusing on standards of practice, major counseling theories, and essential concepts in the practice of counseling including attention to concepts of resilience and recovery-based models. Advocacy, systems of care, services, support for the severely mentally ill, and collaborative treatment are addressed in both counseling and case management. Mental health principles, the history and philosophy of counseling, consultation, self-care, cultural competence, roles of professional organizations and governing bodies, and ethical standards of the discipline are presented. This course also includes focus on 1 unit of special topics toward the CA LPCC license.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall & Spring

Grading: GRD

COUN 502 - Whole Lifespan Development

Unit(s): 4 This course offers a developmental perspective on counseling interventions appropriately undertaken with children, adolescents, and adults. Objectives include: 1) providing students with an introduction to basic intervention strategies for counseling children and adolescents, taking into account cultural and socio-economic influences; 2) familiarizing students with special topics, e.g., impact of divorce on children, child maltreatment, and effects of domestic violence; 3) consideration of family, peer, school, and community contexts in treatment planning (i.e., integrative case formulation) with children and adolescents; 4) identifying basic intervention strategies that facilitate adaptive change in adults' lives, particularly in the context of significant transitions and life events; 5) addressing long term care and elder abuse; 6) consideration of gender, sexual orientation, and ethnicity issues; and (7) examination of changes in career, interpersonal relationships, family structure and dynamics with an emphasis on their interdependence. This course also incorporates focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling M.A. students only.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 503 - Clinical Diagnosis and Treatment Planning

Unit(s): 4 A course designed to cover psychopathology and sociopolitical-related issues of diagnosis and treatment. Attention is given to: 1) understanding the variability of psychopathology in community counseling settings; 2) the application of evaluation methods and diagnostic classification systems of the Diagnostic and Statistical Manual of Mental and Emotional Disorders (DSM); 3) development of appropriate treatment plans; 4) the relationship of class, gender, and ethnic background to diagnosis and treatment; 5) mental health recovery-oriented care; 6) principles of collaborative treatment; and 7) the impact of co-occurring disorders. This course also includes a focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling M.A. students only.

Prerequisite(s): Course restricted to Counseling M.A. students only.

Typically Offered Spring Only

Teaching Mode: Hybrid & Online

COUN 510A - Applied Counseling Techniques and Assessment

Unit(s): 4 This course helps students to develop necessary basic multiculturally competent assessment and counseling skills to prepare them for field based training experiences in a wide variety of settings. Students will learn interview and assessment methodologies including intake interviewing, crisis assessment, and suicide assessment. Training is done through the use of videotape feedback and in-class practice demonstrations involving personal disclosure, role-play, and group and instructor feedback. This course is normally taken in the first semester by new students. This course also includes focus on 2 units of special topics toward the California LPCC license. Course restricted to Counseling M.A. students only.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 510B - Applied Counseling Practicum and Advanced Techniques

Unit(s): 4 This course provides students with an opportunity to continue the development of multiculturally-competent counseling skills necessary for advanced field training during the COUN 514A/COUN 514B Supervised Field Experience sequence. There are different sections for CMHC (MFT & LPCC) and School Counseling (PPS) students: CMHC students see clients in a structured fashion on campus and School Counseling students work in school settings under the instructor's supervision. This course also expands on principles of counseling clients in crisis and clients who have experienced trauma.

Prerequisite(s): COUN 510A.

Typically Offered Spring Only

Grading: GRD

COUN 511F - Career Counseling: Foundations, Measurement and Assessment, and Issues Throughout the Lifespan

Unit(s): 3 Counseling 511F focuses on academic and career awareness and support for individuals and families throughout the lifespan, including the following objectives: (1) coverage of learning and career development theory, system support, K-12 academic and career guidance, and career information resources; 2) overview of major theoretical career models and practice guidelines; 3) study of the impact of diversity issues and counselor personal needs/values on ultimate career and educational choices; 4) exploration of interrelationships among and between work, family, and other life roles and factors; 5) development of hands-on career assessment and interviewing skills including skills for group and individual clients; 6) skills with print and computer-based career counseling materials; 7) familiarizing students with available information resources; and 8) coverage of career issues of adult development, including job maintenance, advancement, retirement, job-loss, avocation and leisure, and secondary career status.

Typically Offered Variable Intermittently
Grading: GRD

COUN 511G - Academic and Career Planning and Counseling Issues of K-12 Populations

Unit(s): 1 COUN 511G is an introductory course in K-12 academic counseling and career development. Course content includes the foundations of learning theory, cradle to career development and academic guidance models, and print/internet based academic/career counseling materials. The course explores the impact of personal needs, values, cultural variables, aptitudes, abilities, and interests on academic progress and career/vocational choices.

Typically Offered Summer Only
Grading: GRD

COUN 512 - Theory and Practice of Group Counseling

Unit(s): 4 This didactic and experiential course provides students with an introduction to the concepts and practices of group counseling, supplemented by lectures and readings. The dynamics and procedures involved in working with groups will be examined with students functioning as both group participants as well as group leaders. The course also examines basic group counseling skills, stages of group formation, confidentiality, trust issues, co-counseling in groups, group dynamics and structure, groupwork with families, and groupwork from a systemic perspective. Cultural factors related to group

work are identified didactically and experientially. Practical approaches to group counseling include psycho-educational groups, interpersonal problem-solving groups, and task/work groups, among others. This course also includes focus on 1 unit of special topics toward the CA LPCC license.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Spring Only
Grading: GRD

COUN 513 - Research, Evaluation, and Assessment in Counseling

Unit(s): 4 A survey of the principles of research design, program evaluation, and assessment as applied to counseling in school and community settings, with a focus on using these skills to improve individual and programmatic counseling efficacy. Students will develop an understanding of key issues in assessment, including test development, administration and scoring, test reporting and interpretation, and test evaluation and selection. In addition, students will develop an understanding of research design and how it can be utilized for data-based counseling program planning and evaluation. The course will increase students' awareness of the ethical and cultural dilemmas that are inherent in assessment, research, and evaluation.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall & Spring
Grading: GRD

COUN 514A - School Counseling Supervised Field Experience I

Unit(s): 4 This seminar provides a group discussion and supervision format in conjunction with advanced field based training, in school settings. The class meetings are designed to supplement the individual and group supervision provided by site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in school settings will be addressed. Integral to this experience is the exchange of feedback and support among seminar participants. This course also addresses techniques for working with clients and situations involving crisis/trauma.

Prerequisite(s): COUN 510A, 510B and 520. Course restricted to COUN MA students only.

Typically Offered Fall Only

Grading: GRD

COUN 514B - School Counseling Supervised Field Experience II

Unit(s): 4 This seminar provides opportunities to build upon and consolidate the field based training skills addressed in COUN 514A. A group discussion and supervision format continues to provide supplemental support relative to counseling field work in school settings. The class meetings are designed to supplement the individual and group supervision received from site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in school settings will be addressed, along with working with clients in crisis, experiencing trauma, and how to respond as part of a crisis team. Students will complete a culminating case study project, with both oral and written components.

Prerequisite(s): Course restricted to COUN MA students only.

Typically Offered Spring Only

Grading: GRD

COUN 515A - CMHC Supervised Field Experience I

Unit(s): 4 This seminar provides a group discussion and supervision format in conjunction with advanced field based training, which may be in community counseling settings (CMHC students). The class meetings are designed to supplement the individual and group supervision provided by site supervisors, and the goal of the seminar is to help students develop a model of professional functioning through the integration of theory, pragmatic strategies, and personal development. Aspects of cultural diversity that influence counseling practice in community and school settings will be addressed didactically and experientially. Integral to this experience is the exchange of feedback and support among seminar participants. This course also addresses techniques for working with clients and situations involving crisis/ trauma. Students will initiate a culminating case study project, with both oral and written components.

Prerequisite(s): Course restricted to COUN MA students only.

Typically Offered Fall Only

Grading: GRD

COUN 515B - CMHC Supervised Field Experience II

Unit(s): 4 This course finalizes the CMHC sequence. Practicing fieldwork-focused group consultation, students develop a model of professional practice via integration of theory and skills. Students must complete a capstone written and oral case study, pass the CMHC Exit Exam, and receive satisfactory evaluations.

Prerequisite(s): COUN 510A, COUN 510B, COUN 515A. Restricted to CMHC students.

Typically Offered Spring Only

Grading: GRD

COUN 520 - Introduction to School Counseling

Unit(s): 4 This course provides a conceptual overview and orientation to the practice of school counseling. Emphasis will be placed on school counseling programs as critical components of the education enterprise, the ASCA national model of school counseling, and the expanding and changing role of the school counselor with respect to school climate, student and family issues.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 521 - Seminar: Pupil Personnel Services - Concepts and Organization

Unit(s): 4 A seminar in organizing, supervising, and administering comprehensive service-based and data-driven Pupil Personnel Programs in elementary and secondary schools; legal and financial aspects, as well as laws affecting children and child welfare are covered. Students learn how to create a developmental school counseling program that is an integral part of the entire educational program in a school.

Prerequisite(s): COUN 520 and restricted to Counseling MA Students only.

Typically Offered Spring Only

Grading: GRD

COUN 523 - Working with Families in School Setting

Unit(s): 4 This course has as its focus a study of family systems and how they impact and interact with all the systems that involve the child including educational and cultural systems. Basic to this is the study of the pre-service school counselor's own family of origin and its impact on their development as a student. Attention is devoted to important issues impacting families including family structures and lifecycle; domestic violence; poverty; and the roles of families and systems in substance abuse and dependence. Each student is required to take a leadership role in a field based parent involvement activity in a school setting as part of this course.

Prerequisite(s): COUN 510A and restricted to Counseling MA students only.

Typically Offered Spring Only

Grading: GRD

COUN 524 - Counseling Children and Adolescents

Unit(s): 4 This course provides an overview of the theories and techniques of child and adolescent counseling with a focus on youth development in a socio-cultural context. Counseling interventions used in schools and common concerns of school-aged students are emphasized (including substance abuse). Methods for establishing rapport, goal setting, and case formulation are highlighted. Special emphasis will be placed on applying theory to practice in a developmentally appropriate manner.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Spring Only

Grading: GRD

COUN 526 - Group Counseling in the Schools

Unit(s): 4 This didactic and experimental course examines the concepts and practices unique to group counseling in the schools. Psycho-educational strategies in the school settings are emphasized. Particular attention is given to processes and challenges involved in the implementation of these strategies; cultural context, effectiveness, and evaluation issues will be explored. The dynamics and procedures involved in working with small and large groups will be studied with members as participants and as leaders.

Prerequisite(s): COUN 510A (Pre-practicum) and COUN 520 and restricted to Counseling MA students only.

Typically Offered Spring Only

Grading: GRD

COUN 527 - Law and Ethics for School Counselors

Unit(s): 4 This course examines the legal and ethical responsibilities of the school counselor. Course topics include: educational counseling, child abuse reporting, confidentiality, record keeping, and attendance and truancy laws. This course also provides an overview of special education law, including: the different federal categories of disability, Individualized Educational Program (IEP) procedures, suspension and expulsion of students with disabilities, and Section 504 Accommodation Plans.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 528A - Consultation

Unit(s): 3 This course provides a general framework for understanding and practicing culturally and contextually sensitive consultation, collaborative problem solving, and systems level intervention in educational settings. An exploration of the stages of consultation and the major models of consultation are covered. Students will gain experience in the delivery of consultation services.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 528B - Crisis Intervention

Unit(s): 1 This course focuses on prevention, response, and recovery during a crisis, and the counselor's role as part of a school-based crisis intervention team. Crises include school violence, accidents, and the death or suicide of a student or faculty member. Maintaining the safety and security of the school community emphasized.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 540 - Counseling Diverse Couples and Families

Unit(s): 4 This course offers theoretical, principle, and methodological foundations for understanding diverse couple and family relationships by providing an overview

of historical and contemporary models of conceptualization, assessment, and intervention. Attention is devoted to important legal, ethical, and clinical considerations unique to working with families and couples, including partner abuse assessment, intervention, and dynamics; child abuse reporting; and roles of families and systems in substance abuse and dependence. Throughout, cultural factors such as the role of poverty, sexual identity, blended families/step-parenting, and multiracial families are addressed. This course also includes focus on 3 units of special topics toward the CA LPCC license.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 545 - Counseling Orientation, Law and Ethics, and Case Management Practices

Unit(s): 4 This course is designed to clarify the legal and ethical responsibilities of the Clinical Mental Health Counselor (CMHC). Legal standards related to counseling practice will be surveyed, including issues related to dissolution; child care, custody, and abuse; confidentiality; involuntary hospitalization; mandatory reporting requirements; detection, assessment, and treatment of domestic violence; and other issues related to the relationship between law and counseling. Ethical standards, which often overlap with legal standards, will be surveyed. This course also addresses case management practices commonly employed by clinicians. Cultural considerations will be examined as they impact counseling and case management practices. This course satisfies the educational requirements for licensure as a Marriage and Family Therapist and as a Licensed Professional Clinical Counselor in California. It also includes focus on 1 unit of special topics toward the CA LPCC license. Course restricted to Counseling M.A. students only.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall Only

Grading: GRD

COUN 570 - Seminar Multicultural Counseling

Unit(s): 4 This course is designed to provide students with an understanding of how different forms of diversity (ethnicity, culture, sexual orientation, socioeconomic status, age, disability, religion, and gender) can affect counseling processes. Students will identify and explore

their own unique ethnic and cultural worldview and see how it affects their counseling approaches in both community and school counseling settings. Students will explore theories of multicultural counseling and development. Students will also become knowledgeable about various minority groups in California and in the United States and how majority culture influences the minority individuals' daily lives and their responses to counseling. The seminar will address multicultural aspects of counseling children, youth, and adults including advocacy and use of culturally appropriate counseling modalities. This course includes focus on 4 units of special topics toward the CA LPCC license. Course restricted to Counseling M.A. students only.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Fall & Spring

Grading: GRD

COUN 580 - Couples and Sexuality Counseling

Unit(s): 4 This course provides students with theoretically-based knowledge about and skills in conducting counseling for couples, including addressing sexuality issues. Assessment and counseling interventions covered will reflect the pluralistic needs of couples who are embedded in complex social systems (e.g., legal, health). Issues such as intimate partner violence, infertility, gender roles, and sexual function/dysfunction will be addressed, and cross-cultural considerations will be incorporated throughout all topics. Students will also have opportunities to explore their own world-views as they relate to coupling and sexuality, to increase their effectiveness with a diversity of clients. This course also includes 4 units of special topics and populations toward the California LPCC license.

Typically Offered Spring Only

Grading: GRD

COUN 582 - Psychopharmacology for Counselors

Unit(s): 3 This didactic course explores basic principles and applications of psychopharmacology in the mental health field. Emphasis is paid to neurotransmitter systems in the nervous system, principles of drug action, and clinical pharmacology (the use of medications to treat behavioral, psychological, and psychiatric conditions such as eating disorders, depressive disorders, hyperactivity, anxiety disorders, psychotic disorders, and dementia). Attention will be paid to the community counselor's role in the effective, multicultural-competent, and ethical use of

psycho-active medications (e.g., referral, consultation, monitoring) when psychopharmacological interventions are part of treatment as well as to the historical and sociopolitical contextual issues surrounding the prescription of psychiatric medication.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Spring Only

Grading: GRD

COUN 583 - Substance Abuse and Dependence

Unit(s): 2 A didactic course designed to provide a broad conceptual base regarding major dimensions of alcohol and drug abuse and dependence disorders. The course explores theories of addiction; co-occurring disorders; and medical aspects, effects, and approaches to prevention, assessment, and treatment of alcohol and drug abuse/dependence disorders. The contextual role of the family and larger systems, including the legal system, are addressed. Risk factors, community resources, referral, and prevention information is discussed from developmental and cross-cultural perspectives.

Typically Offered Spring Only

Grading: GRD

COUN 595 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring

Grading: OPT

COUN 596 - Clinical Consultation Seminar

Unit(s): 1-2 This seminar will provide a group discussion and supervision format in conjunction with the pre-M.A. Field Experience/Traineeship. This seminar's weekly small group meetings (max of 8 students) are designed to provide campus-based consultation surrounding the Pre-M.A. clinical Traineeship, using case presentation and group discussion. A key aim of the seminar is the development of a model of professional functioning through the integration of theoretical, practice and personal material. Integral to this experience is the exchange of feedback and support among group members. The course is designed to provide an opportunity for continuing evaluation of student growth and counseling efficacy. This component will include evaluation from faculty and site-supervisors, as well as students ongoing self-assessment. This course is designed to meet California Board of Behavioral Science requirements that allow Pre-M.A. Trainees to earn hours toward MFT licensure.

Prerequisite(s): Course restricted to Counseling MA Students only.

Typically Offered Variable Intermittently

Grading: CNC

Computer Science

CS 101 - Introduction to Computers and Computing

Unit(s): 3 **Lecture:** 2 hours **Laboratory:** 2 hours This course is an introduction to the concepts, techniques, uses, applications, and terminology of computers, computing, and networking. Emphasis is on the possibilities and limitations of computers and computing in a wide range of personal, commercial, and organizational activities. Topics include computer types, history of computing, computer organization and operation, computer languages, program development, computer applications (word processing, database, graphics, spreadsheets, etc.), basic networking, and computers in society. Weekly hands-on experience with a variety of operating systems, applications, and computer programming.

Typically Offered Fall & Spring

Recommended Recommended for all students.

Grading: OPT

CS 115 - Programming I

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours This course gives an overview of computer organization; arithmetic and logical expressions, decision and iteration, simple I/O; subprograms; principles of good programming style, readability, documentation, structured programming concepts; top-down design and refinements; techniques of debugging and testing. Use of the above concepts will be implemented in a standard high-level programming language.

Prerequisite(s): GE math and English eligibility, or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

CS 115W - Programming I Workshop

Unit(s): 1 A workshop designed to be taken with CS 115. Exploration of programming concepts through problem solving in a group setting.

Co-requisite(s): CS 115.

Typically Offered Fall & Spring

Grading: CNC

CS 210 - Introduction to Unix

Unit(s): 1 Laboratory: 3 hours This course is an introduction to the use of Linux/Unix as a programming environment. Communicating with a Linux host, shells and shell commands, files and directories, Gnome desktop, jobs and processes, scripting, programming utilities (compiler, linker, debugger, make, hex dump, etc.).

Prerequisite(s): Grade of C- or better in CS 115 and previous or concurrent enrollment in CS 215, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 215 - Programming II

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours This course is the sequel to CS 115. Topics include: pointers and dynamic allocation of storage, linked lists, an introduction to the object oriented programming (OOP) paradigm, classes and objects, encapsulation, member variables and member functions, inheritance and polymorphism, scoping, templates, iterators, and error handling techniques.

Prerequisite(s): Grade of C- or better in CS 115 and previous or concurrent enrollment in CS 210, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 242 - Discrete Structures for Computer Science

Unit(s): 4 Lecture: 4 hours This course covers fundamental mathematical concepts blended with their applications in Computer Science. Topics include: sets, functions and relations, Boolean algebra, normal forms, Karnaugh map and other minimization techniques, predicate logic, formal and informal proof techniques, relational algebra, basic counting techniques, recurrence relations, and an introduction to graph theory.

Prerequisite(s): Grade of C- or better in CS 115 and MATH 161, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 252 - Introduction to Computer Organization

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours This course looks at the interface between computer hardware and software by introducing computer architecture and low-level programming. Topics to be covered include: data representations, digital logic, combinational and sequential circuits, computer system organization from the machine language point of view, and assembly language implementation of high-level constructs.

Prerequisite(s): Grade of C- or better in CS 215 and CS 242, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 285 - Selected Topics in Computer Science

Unit(s): 1-4 This lower-division course may be repeated with different subject matter. Content will be indicated by the specific topic.

Prerequisite(s): As indicated in the specific topic description or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated with different subject matter. Content will be indicated by the specific topic.

Grading: OPT

CS 315 - Data Structures

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours This course introduces the concept of the organization of data into different structures to support the efficient implementation of computer algorithms. The emphasis of the course is on the internal representation of the elementary and intermediate data structures, their time and space requirements, and their applications. A second component of the course is the study of more advanced features of object-oriented programming.

Prerequisite(s): Grade of C- or better in CS 210, CS 215, and CS 242, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 330 - Introduction to Game Programming

Unit(s): 3 Lecture: 2 hours **Laboratory:** 2 hours This course is an introduction to the theory and practice of video game design and programming. Video games combine, in real-time, concepts in computer graphics, human-computer interaction, networking, artificial

intelligence, computer aided instruction, computer architecture, and databases. This course introduces students to a variety of game engines and frameworks and explores artificially intelligent agents. Students will work as part of a team to create a complete description document for a computer game and implement a prototype of the game.

Prerequisite(s): Grade of C- or better in CS 315 or instructor consent.

Typically Offered Fall & Spring

Grading: GRD

CS 340 - Computer Security and Malware

Unit(s): 3 Lecture: 2 hours **Laboratory:** 2 hours
Current methods for increasing security, protecting privacy, and guaranteeing degrees of confidentiality of computer records; ensuring computer installation safety; protecting software products; preventing and dealing with crime; value systems, ethics, and human factors affecting use and misuse of computers. Discussion of recent technical, legal, and sociopolitical issues influencing computer security problems, with an emphasis on malware.

Prerequisite(s): Grade of C- or better in CS 215 and CS 252, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 349 - Problem Solving in a Team Environment

Unit(s): 1 Laboratory: 2 hours This course focuses on problem solving and program development in a team programming environment. Topics include: techniques for problem analysis and algorithm design, rapid implementation and pair programming methods, use of standard container classes and library functions. Different types of problems will be selected each semester. Students taking this course participate in regional and national programming competitions.

Prerequisite(s): Grade of C- or better in CS 315 or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit. A maximum of 3 units can be applied to the Computer Science major.

Grading: GRD

CS 351 - Computer Architecture

Unit(s): 4 Lecture: 4 hours This course is the sequel to CS 252 and includes the following topics: instruction set design; stages of instruction execution: data, and control path design; pipelining; program optimization techniques; memory hierarchy; cache models and design issues; virtual memory and secondary storage; I/O interfacing. Advanced topics to include some of the following: parallel architectures, DSP or other special purpose architecture, FPGA, reconfigurable architecture, and asynchronous circuit design.

Prerequisite(s): Grade of C- or better in CS 215 and CS 252, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 355 - Database Management Systems Design

Unit(s): 4 Lecture: 4 hours This course focuses on the theoretical as well as the practical aspects of modern database systems. Topics include the study of the entity-relationship (E/R) model, relational algebra, data normalization, XML as a semi-structured data model, data integrity, and database administration. Current tools and technologies are used to create and manipulate sample databases.

Prerequisite(s): Grade of C- or better in CS 215 or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 360 - Object-Oriented Programming

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours
Principles of object-oriented programming, including encapsulation, inheritance, polymorphism, and design patterns. Specific applications are developed in one or more object-oriented programming languages and will cover the use of application frameworks and graphical user interfaces based on object-oriented principles.

Prerequisite(s): Grade of C- or better in CS 315, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 365 - Computer Networking and the Internet

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours This course introduces the theory and practice of computer networking, with coverage of key theories in data communication and how these theories relate to current

practices and will drive future practices. Network hardware implementations of local area networks, wide area networks, telephone networks, and wireless networks are investigated. Network software implementations of switches and routers, peer-to-peer networking, and hosted applications are investigated with exercises in writing and debugging network protocols in the laboratory.

Prerequisite(s): Grade of C- or better in CS 215 and CS 252, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 370 - Software Design and Development

Unit(s): 4 Lecture: 4 hours Techniques of software design and development. Software lifecycle, requirements, formal specification, metrics, design, functional and structural testing, rapid prototyping, complexity, version control, and team management. Software metrics, tools for component-based software development. Team-based, agile, and scrum methodologies emphasized.

Prerequisite(s): Grade of C- or better in CS 215 or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 375 - Computer Graphics

Unit(s): 3 An introduction to computer graphics. Survey of the fundamental algorithms and methodologies, including, but not limited to, polygon fill, line-drawing, antialiasing, geometric transformations, viewing and clipping, spline representation, occlusion and visible surface detection, illumination, texturing, color models, rendering, shaders, animation, and emerging techniques.

Prerequisite(s): Grade of C- or better in CS 215 and MATH 161, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 380 - ETS Major Field Test

Unit(s): 1 The focus of this course is preparation for the Major Field Test in Computer Science. Students will review material in the basic knowledge areas of computer science including: discrete structures, programming, algorithms and complexity, systems, software engineering, and information management. The course will culminate with students taking the Major Field Test in Computer Science

administered through Educational Testing Services. This course is intended for students whom have completed the majority of required coursework in the CS major and are within one semester of graduation.

Typically Offered Variable Intermittently

Grading: CNC

CS 385 - Selected Topics in Computer Science

Unit(s): 1-4 This course may be repeated with different subject matter for credit in the CS major.

Prerequisite(s): As indicated in the specific topic description or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated with different subject matter for credit in the CS major.

Grading: OPT

CS 386 - Selected Topics in CS with Lab

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours This course may be repeated with different subject matter for credit in the CS major.

Prerequisite(s): As indicated in the specific topic description or consent of instructor.

Typically Offered Variable Intermittently **May Be**

Repeated Course may be repeated with different subject matter for credit in the CS major.

Grading: GRD

CS 390 - Computer Science Colloquium

Unit(s): 1 Series of lectures on current developments in computer science.

May Be Repeated May be repeated for credit; a maximum of 3 units can be applied to the CS major; students will be required to attend all presentations, take notes, and research each of these presentations. Contact the department for specific information.

Grading: CNC

CS 415 - Algorithm Analysis

Unit(s): 4 Lecture: 4 hours This course provides a systematic approach to the design and analysis of algorithms with an emphasis on efficiency. Topics include algorithms for searching and sorting, hashing, exploring graphs, and integer and polynomial arithmetic. Foundations in recurrence relations, combinatorics,

probability, and graph theory as used in algorithm analysis are covered. Standard design techniques such as divide-and-conquer, greedy method, dynamic programming, heuristics, and probabilistic algorithms along with NP-completeness and approximation algorithms are included.

Prerequisite(s): Grade of C- or better in CS 315, or consent of instructor.

Grading: GRD

CS 425 - Parallel Computing

Unit(s): 3 Lecture: 3 hours Overview of parallel patterns, programming models, and hardware. Topics include parallel performance analysis; types of parallelism; parallel decomposition of tasks; shared vs. distributed memory; synchronization; hands-on experience with multiple parallel programming models; and architectural support for parallelism.

Prerequisite(s): Grade of C- or better in CS 252 and CS 315, or consent of instructor.

Grading: GRD

CS 450 - Operating Systems

Unit(s): 4 Lecture: 4 hours This course covers the fundamental concepts of operating system design and implementation; the study of problems, goals, and methods of concurrent programming; and the fundamentals of systems programming. Topics include resource-management, process and thread scheduling algorithms, inter-process communication, I/O subsystems and device-drivers, memory management including virtual memory, segmentation, and page-replacement policies. These topics will be covered in theory and in practice through the study of the source-code of a working operating system.

Prerequisite(s): Grade of C- or better in CS 252 and CS 315, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 452 - Compiler Design and Construction

Unit(s): 3 Lecture: 2 hours **Laboratory:** 2 hours Application of language and automata theory to the design and construction of compilers. Lexical scanning, top-down and bottom-up parsing; semantic analysis, code generation; optimization. Design and construction of parts of a simple compiler using compiler generation tools.

Prerequisite(s): Grade of C- or better in CS 315 and CS 252, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

CS 454 - Theory of Computation

Unit(s): 4 Lecture: 4 hours Overview of various kinds of computability, unsolvability, and decidability. The P versus NP problem. Abstract mathematical models of computing devices and language specification systems with focus on regular and context-free languages. Classification of computer-solvable problems.

Prerequisite(s): Grade of C or better in CS 315, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 460 - Programming Languages

Unit(s): 4 Lecture: 4 hours This course provides a survey of the syntactic, semantic, and implementation features of functional, procedural, object-oriented, logic, and concurrent programming languages.

Prerequisite(s): Grade of C- or better in CS 252 and CS 315, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 465 - Data Communications

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours The ISO reference model, theoretical basis for data communications, data transmission theory and practice, telephone systems, protocols, networks, internetworks, with examples.

Prerequisite(s): Grade of C- or better in CS 365, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 470 - Advanced Software Design Project

Unit(s): 3 Lecture: 3 hours This course is a project-based course designed to provide a "real world, team oriented" capstone experience for Computer Science majors. Coursework will be organized around large programming projects. The content of the projects may vary depending on the interests of the instructor and may include industry, government, nonprofit organization, or other affiliations.

Prerequisite(s): Grade of C- or better in CS 315, CS 370, and senior-standing in the major; or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 480 - Artificial Intelligence

Unit(s): 3 Lecture: 3 hours This course is a survey of techniques that simulate human intelligence. Topics may include: pattern recognition, general problem solving, adversarial game-tree search, decision-making, expert systems, neural networks, fuzzy logic, and genetic algorithms.

Prerequisite(s): Grade of C- or better in CS 315 or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

CS 495 - Special Studies

Unit(s): 1-4 This course is intended for students who are doing advanced work in an area of computer science (e.g., a senior project).

Prerequisite(s): an upper-division CS course in the area of interest and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

CS 496 - Senior Research Project

Unit(s): 3 Students, under the direction of one or more faculty members, undertake a substantial research project that is based on multiple upper-division CS courses. The result of the research is presented by the students in one of the Colloquium (CS 390) meetings.

Prerequisite(s): Senior standing and consent of instructor

Typically Offered Fall & Spring

Grading: GRD

CS 497 - Internship

Unit(s): 1-3 Student projects conceived and designed in conjunction with an off-campus organization or group. The internship is intended to provide on-the-job experience in an area of computer science in which the student has no prior on-the-job experience. Computer hardware or computer time Required for the internship, as well as

regular supervision of the intern, must be provided by the off-campus organization.

Prerequisite(s): student must be within 30 units of completion of the CS major.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit.

Grading: CNC

Economics

ECON 204 - Introduction to Macroeconomics

Unit(s): 4 An examination of the basic characteristics of the American economy and the principles that determine its performance. Emphasis is given to those factors that determine the levels of production, employment, prices, interest rates, and inflation.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ECON 205 - Introduction to Microeconomics

Unit(s): 4 An examination of the basic principles that determine the behavior of individual consumers and firms in the United States economy as they respond to changing economic conditions. Topics include demand, supply, pricing, production, cost, competition, and industrial structure. This course may be taken before ECON 204.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ECON 217 - Statistics for Economics and Business

Unit(s): 4 Microsoft Excel based statistics. Topics include the collection and presentation of data, discrete and continuous distributions, probability and sampling theory, statistical inference and hypothesis testing. Parametric and nonparametric statistical tests will be examined, including t-tests, Chi-square, and ANOVA. Additional topics include regression, time series analysis and applications in business forecasting.

Prerequisite(s): Students need to be GE Math ready to

register for this course.

Typically Offered Fall & Spring

Grading: GRD

ECON 303 - International Economics

Unit(s): 4 A study of issues, theories, and policies regarding international trade and finances, international movements of capital and labor, economic development, external debt, and foreign aid.

Prerequisite(s): ECON 204 and ECON 205 or in RBE1 group required.+

Typically Offered Variable Intermittently

Grading: OPT

ECON 304 - Intermediate Macroeconomic Theory

Unit(s): 4 A study of economic theories that explain the levels and fluctuations in production, employment, income, money, and prices in an economic system, with an emphasis on the macroeconomic framework of the U.S. economy. Topics include national income accounting, models of short-run equilibrium and long-run growth, macroeconomic aspects of international economics, labor markets, monetary policy, and fiscal policy.

Prerequisite(s): ECON 204 and ECON 205 or in RBE1 group, and MATH 165 or MATH 165B or BUS 211 or ECON 217 or equivalent required or in RBE2 group.

Typically Offered Fall & Spring

Grading: OPT

ECON 305 - Intermediate Microeconomic Theory

Unit(s): 4 A study of theories that explain consumer behavior and managerial decision-making in organizations and firms in the economy. Deals with theories of demand, pricing, production, cost analysis, and competition.

Prerequisite(s): ((ECON 204 and ECON 205 or in RBE1 group)and MATH 165 or BUS 211 or ECON 217) required or in RBE2 group.

Typically Offered Fall & Spring

Grading: OPT

ECON 311 - Public Economy

Unit(s): 4 A basic introduction to the economics of the public sector designed to give the student a broad overview of the economic roles of government in our society. Emphasis will be on understanding current public policy issues and the effects of government policies on

resource allocation (efficiency) and income distribution (equity).

Prerequisite(s): ECON 205 and ECON 317 or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

ECON 313 - Economics of European Integration

Unit(s): 4 An introduction to the economics of Europe, and by implication, to the economic functions of the institutions of the European Union (EU). Students are introduced to economic policy issues which are currently of concern in the European Union, and the analysis of economic problems which are of particular relevance to European Union member states. These include (but are not limited to) the theory of customs unions, optimal currency area theory, the single market, competition policy, and the external trade and development policies of the EU.

Typically Offered Variable Intermittently

Grading: GRD

ECON 317 - Introduction to Econometrics

Unit(s): 4 Statistical techniques, based on linear regression, most frequently employed in economics. Topics include multiple regression, Gauss-Markov Theorem and its violations, cross-sectional techniques, time series analysis, simultaneous equation modeling, and forecasting. Applying widely-used computer programs to economic phenomena is emphasized.

Prerequisite(s): ((ECON 204 and ECON 205 or in RBE1 group)and MATH 165 or BUS 211 or ECON 217) required or in RBE2 group.

Typically Offered Fall & Spring

Grading: OPT

ECON 319 - Managerial Economics

Unit(s): 4 Economic analysis applied to the management decisions of public or private firms. The course is oriented to case studies that illuminate the content and applicability of such basic economic concepts as marginality, opportunity costs, and market structure. Topics include: demand analysis, resource allocation, production economics, and cost analysis; profitability analysis; price and nonprice competition; capital budgeting; and long-range strategy formulation.

Prerequisite(s): ECON 305 and ECON 317.
Typically Offered Variable Intermittently
Grading: GRD

ECON 321 - Labor Economics

Unit(s): 4 A study of economic and social issues in U.S. labor markets. Topics will include U.S. labor history, market structure, labor laws, gender and race, education and training, and collective bargaining.

Prerequisite(s): ECON 205.
Typically Offered Variable Intermittently
Grading: OPT

ECON 322 - Urban Economics

Unit(s): 4 An exploration of issues facing communities and regions in their attempts to manage growth and enhance the quality of life. Microeconomic tools are applied in a spatial context to solve problems associated with land use, firm location, transportation, housing, congestion, open space, and environmental protection.

Prerequisite(s): ECON 204 and ECON 205 or RBE1 group.
Typically Offered Variable Intermittently
Grading: OPT

ECON 330 - Game Theory

Unit(s): 4 Analytical approach to studying rational behavior in interactive situations. This course develops basic theory, including Nash equilibrium, mixed strategies, credibility, coalitional games, and the core. Applications may include public goods, voting, auction design, bargaining, and the competitive market mechanism.

Prerequisite(s): ECON 204 and ECON 205 or in RBE1 group, and MATH 165 or MATH 165B or BUS 211 or ECON 217 or equivalent required or in RBE2 group.
Typically Offered Variable Intermittently
Grading: OPT

ECON 375 - Money and Banking

Unit(s): 4 An examination of financial institutions, monetary theory, and the rapidly changing domestic and international banking system. Topics will include alternative theories of monetary policy, the determination of interest rates and price levels, and the influence of financial institutions on inflation, recession, and growth.

Prerequisite(s): ECON 204 and ECON 205 or in RBE1

group required.
Typically Offered Variable Intermittently
Grading: OPT

ECON 381 - Natural Resource and Environmental Economics

Unit(s): 4 A study of public and private sector strategies for achieving the optimal use of natural resources and the control of pollution. Topics include: energy, water, minerals, forests, air pollution, climate change, and the valuation of environmental benefit and costs.

Prerequisite(s): ECON 204 and ECON 205 or in RBE1 group required.
Typically Offered Variable Intermittently
Grading: OPT

ECON 403A - Seminar in International Economic Development

Unit(s): 4 Review of current issues and study of conceptual frameworks for thinking about economic development with a global perspective. Focuses on sources of economic growth, poverty alleviation, resource sustainability, and reform of economic institutions in Latin America, Africa, Asia, and ex-socialist economies.

Prerequisite(s): ECON 303, 304, 305 and 317.
Typically Offered Variable Intermittently
Grading: GRD

ECON 403B - Seminar in International Trade

Unit(s): 4 This course covers international trade, foreign direct investment, and immigration. Topics include international trade under imperfect competition and policies to regulate international trade. Vertical and horizontal foreign direct investment models and the relationships among direct foreign investment, immigration, and international trade will be examined.

Prerequisite(s): ECON 303, 304, 305 and 317.
Typically Offered Variable Intermittently
Grading: GRD

ECON 403C - Seminar in International Finance

Unit(s): 4 The goal of this course is to explain movements in the trade balance, exchange rates, national output, and inflation. The first portion of the course develops building blocks regarding these movements. The second part of the course develops a theoretical framework which we will use

to analyze policy issues such as the sustainability of the U.S. trade deficit, the Asian currency crisis, the Argentine crisis, the European Monetary Union and the Euro, the debt crisis, the international monetary system, and capital market integration.

Prerequisite(s): ECON 303, 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: GRD

ECON 404 - Seminar in Macroeconomic Theory

Unit(s): 4 A study of theories dealing with inflation, unemployment, macro-economic policies, equilibrium, and disequilibrium. Topics may include: investment, growth theory, monetary theory, international trade, aggregate demand and supply, comparative statics, post-Keynesian economics, and recent theoretical developments and policy issues.

Prerequisite(s): ECON 304, 305, and 317

Typically Offered Variable Intermittently

Grading: OPT

ECON 405 - Seminar in Microeconomic Theory

Unit(s): 4 This course is devoted to explorations of economic theory and policy issues and is designed to deepen student understanding of economic theory learned in ECON 305.

Prerequisite(s): ECON 304, 305, and 317

Typically Offered Variable Intermittently

Grading: OPT

ECON 408 - Seminar in Math Applications in Economics

Unit(s): 4 Applications of mathematical techniques in economics. Construction of micro- and macroeconomic models using calculus and linear algebra. Topics include: optimization, competition, supply and demand, national income, growth theory, general equilibrium, disequilibrium, and dynamics.

Prerequisite(s): ECON 304, 305 and 317 and MATH 161 or 161B.

Typically Offered Variable Intermittently

Recommended Recommended for students considering graduate study in economics or business.

Grading: OPT

ECON 411 - Seminar in Public Economics

Unit(s): 4 Applications of economic theory to public project analysis for students seeking careers in the public sector. Topics include: resource allocation, modeling and simulation, decision theory, fiscal impact analysis, benefit-cost analysis, government investment criteria, and project evaluation.

Prerequisite(s): ECON 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: OPT

ECON 417 - Seminar in Econometrics and Forecasting

Unit(s): 4 This course is devoted to explorations of statistical applications and theory used to analyze economic phenomena and is designed to deepen the student's understanding of econometric and forecasting techniques learned at a basic level in ECON 317.

Prerequisite(s): ECON 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: OPT

ECON 419 - Seminar in Managerial Economics

Unit(s): 4 An exploration of the problems facing American firms in competing in a global economy. Topics include: product markets, production efficiency, technology, competitive markets, generic industry environments, and competitive strategies. Students will write and present case studies of firms and industries.

Prerequisite(s): ECON 304, 305, 317

Typically Offered Variable Intermittently

Grading: GRD

ECON 421 - Seminar in Labor Economics

Unit(s): 4 An analysis of the theory of labor supply and demand. Topics include: wage determination and the theory of human capital, labor force participation, antipoverty programs, the causes and consequences of wage inequality, theories of race and gender discrimination, the role and effects of labor unions, and the effects of the minimum wage on employment and income.

Prerequisite(s): ECON 304, 305, 317

Typically Offered Variable Intermittently

Grading: GRD

ECON 426 - Seminar in History of Economic Thought

Unit(s): 4 The interaction of economic thought, economic policy, and political ideology from mercantilism to the present day. The works of Smith, Malthus, Ricardo, Marx, Marshall, Keynes, and the post-Keynesians are discussed in the context of the economic problems of their times.

Prerequisite(s): ECON 204 and 205 or in RBE1 group.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

ECON 440 - Seminar in Industrial Organization

Unit(s): 4 Economists understand firm behavior by applying a simple rule for profit maximization: Marginal Revenue equals Marginal Cost. Models of perfect competition and monopoly are the simplest applications of this rule, but fail to explain many of the things firms do in real markets. Industrial Organization (IO) is motivated by observed deviations from the classical models of perfect competition and monopoly. Topics include models of price discrimination, product differentiation, oligopoly, entry deterrence, collusion, etc. in order to understand how different market institutions lead to different restatements of the profit maximization rule.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: OPT

ECON 447 - Seminar in Gender and Economics

Unit(s): 4 The course explores feminist and neoclassical economic contributions to gender analysis. The main focus will be on work, development, and globalization. Topics explored in depth will include the environment, the family, and methodological issues. The diversity of women's experience, due to their differing racial, class, geographical, and cultural positions will also be emphasized.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: OPT

ECON 449 - Seminar in Program Evaluation

Unit(s): 4 This class aims to teach students to apply and interpret the counterfactual model and associated methods in answering policy-relevant questions. The primary focus will be on study design: identifying causal questions and variables of interest, how the question would be answered, necessary assumptions, and potential sources of bias.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: GRD

ECON 454 - Seminar in Behavioral and Experimental Economics

Unit(s): 4 Economics is the study of how people make choices in a world with constraints. In Neoclassical models, behavior is based on assumptions that may or may not be true. Behavioral economics, on the other hand, takes as its starting point actual behavior (observed either experimentally or in naturally occurring situations), using observations to incorporate more realistic psychological foundations. Typically this means enriching the theory rather than replacing it. Experimental methods are particularly useful in this kind of research.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: GRD

ECON 461 - Seminar in Quantitative Marketing: Limited Dependent Variables

Unit(s): 4 This course covers quantitative methods in marketing research. In the course we analyze data on topics relevant to marketing such as pricing, promotion, branding and purchasing behavior. The course will make extensive use of advanced econometrics methods beginning with the multiple regression model and covering binary dependent variable models, unordered and ordered multinomial dependent variable models, limited dependent variable models and duration dependent variable models.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: GRD

ECON 462 - Seminar in Quantitative Marketing: Time Series Econometrics

Unit(s): 4 This course covers quantitative methods in marketing analytics. The course will concentrate on theory

and application of time series econometrics to marketing topics such as pricing, promotion, branding and marketing return on investment. The course will make extensive use of advanced time series econometrics methods beginning with the multiple regression model.

Prerequisite(s): 304, 305 and 317.

Typically Offered Variable Intermittently

Grading: GRD

ECON 494 - Special Topics in Economics

Unit(s): 1-4 Course of lectures on a single topic or set of related topics not ordinarily covered in the economics curriculum.

Prerequisite(s): consent of the instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with a different topic.

Grading: OPT

ECON 495 - Special Studies

Unit(s): 1-4 Open to economics majors only.

Prerequisite(s): consent of the instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.

Grading: OPT

ECON 496 - Tutoring Economics

Unit(s): 2 Intended for advanced students working as tutors in Economics courses.

Typically Offered Fall & Spring

Grading: CNC

ECON 497 - Seminar in Teaching Economics

Unit(s): 2 A faculty-directed seminar in teaching methods and concepts for students tutoring in economics.

Typically Offered Fall & Spring **May Be Repeated** May be repeated up to 8 times for credit.

Grading: CNC

ECON 499 - Internship

Unit(s): 1-4 **Prerequisite(s):** Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated twice for credit.

Grading: CNC

ECON 501 - Foundations of Economics

Unit(s): 2-3 This introductory course will focus on using economic models for business decisions. The course will cover the fundamental components of profit maximization as well as macroeconomic analysis and the underlying variables that determine the performance of the economy. Statistical methods

Prerequisite(s): Class open to Graduate Students only

Typically Offered Variable Intermittently

Grading: GRD

ECON 595 - Special Studies

Unit(s): 1-4 Independent study designed in consultation with instructor. Subject matter variable. Students must complete the standard SSU form.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

Education

EDUC 150 - Prospective Teachers

Unit(s): 3 Focuses on realities of the classroom from the teacher's point of view. Includes child development, teachers' roles and responsibilities, and the culture of schools in a changing society. Includes an apprenticeship with a teacher.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

EDUC 250 - Teaching in a Changing World

Unit(s): 3 This course is designed to provide an introduction to the classroom from teachers' points of view. Areas of content include child and adolescent development, teachers' roles and responsibilities, the culture of schools in a changing society, as well as an apprenticeship with a practicing teacher. Particular emphasis will be on teacher decision-making. Institutional

changes that could improve teacher and student performance will also be explored. Each student will spend 30 hours observing and participating in an assigned public school classroom.

Typically Offered Fall & Spring
Grading: GRD

EDUC 295 - Community Involvement Program

Unit(s): 1-4 CIP involves students in the community, performing such tasks as tutoring. Students receive 1 to 4 units, depending on the specific tasks performed. A total of 6 units of CIP credit may be applied toward a degree. Forty five hours of fieldwork is mandatory per unit.

Prerequisite(s): Recommend to have EDUC 250 as prerequisite, but not required.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: CNC

EDUC 390 - Selected Topics in Education

Unit(s): 1-4 **Typically Offered** Variable Intermittently **May Be Repeated** May be repeated for credit under different topic.
Grading: OPT

EDUC 417 - School and Society

Unit(s): 3 A critical examination of current issues in today's schools and future directions in education through the perspectives of history, philosophy, sociology, anthropology, and the politics of education. Content includes: trends, movements, and issues of the development of our present-day school systems and current educational practice; development of an individual philosophy of education through examination and evaluation of educational philosophies from early Greek through modern/post-modern thought; analysis of American society and its effect on the functioning of schools; the role of explicit and implicit cultural assumptions in educational contexts; and the influence of federal, state, and local governing agencies, the knowledge industry, and special-interest groups on education.

GE Category: Satisfies GE, Area D1 (Individual and Society). Restricted to: juniors, seniors CRED, CREDC, CREDP, CRED2, plan of EDUC-MA and to credential student group (RUCR).

Typically Offered Fall & Spring
Grading: GRD

EDUC 490 - Selected Topics in Education

Unit(s): 1-4 A course designed according to the interest of a particular faculty member, providing opportunities for diversification in content and reading.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under different topic.
Grading: GRD

EDUC 495 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.
Grading: GRD

EDUC 501 - Teacher Induction and Support: Inquiry

Unit(s): 3 EDUC 501 is one of two courses in the Sonoma State Teacher Induction and Support Program. This course is intended to meet the needs of teacher candidates who hold a preliminary single subject, multiple subject or education specialist credential and need to clear this credential through an Induction program.

Prerequisite(s): Class open to CREDC or CRED2 or MA plus CREDC/CRED2 only.
Typically Offered Fall & Spring **May Be Repeated** Course repeatable for credit.
Teaching Mode: Face-to-Face & Online. **Grading:** GRD

EDUC 504 - Teacher Induction and Support: Reflective Practice

Unit(s): 3 EDUC 504 is one of two courses in the Sonoma State Teacher Induction and Support Program. This course is intended to meet the needs of teacher candidates who hold a preliminary single subject, multiple subject or education specialist credential and need to clear this credential through an Induction program.

Prerequisite(s): Class open to CREDC or CRED2 or MA plus CREDC/CRED2 only.
Typically Offered Fall & Spring **May Be Repeated** Course repeatable for credit.
Teaching Mode: Face-to-Face & Online. **Grading:** GRD

EDUC 570 - The Reflective Educator

Unit(s): 3 Students should take this course at the beginning of the M.A. program. The focus of this course is on philosophical, historical, social, and psychological perspectives in education. Students will examine these perspectives while being encouraged to examine and reflect upon their own professional practices in education. In this course, students will have assignments that can be part of a reflective portfolio that they will continue to modify throughout their M.A. program. The portfolio is intended to be cumulative throughout the graduate core courses.

Prerequisite(s): admission to M.A. in Education Program.

Typically Offered Fall & Spring

Grading: GRD

EDUC 571 - Research Paradigms in Education

Unit(s): 3 This course is designed to be taken midway in the Master of Arts degree program. This course focuses on becoming a critical consumer of research and includes among its goals the development of skills in the analysis and critique of educational research. The course serves to acquaint students with basic principles and techniques of educational research. It also provides students with an opportunity to integrate knowledge of these principles through analyses of action research projects that may serve as the foundation for the culminating master of arts degree project.

Prerequisite(s): EDUC 570 or other MA courses.

Typically Offered Fall & Spring

Grading: GRD

EDUC 572 - Supervised Study for Cognate Project

Unit(s): 3 **Typically Offered** Fall & Spring

Grading: CNC

EDUC 573 - Supervised Study: Individual Exam

Unit(s): 3 **Typically Offered** Fall & Spring

Grading: CNC

EDUC 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator.

Typically Offered Fall & Spring

Grading: CNC

EDUC 588 - Educational Curriculum

Unit(s): 3 **Typically Offered** Not Recently Offered

Grading: GRD

EDUC 595 - Special Studies

Unit(s): 1-4 Independent study designed in consultation with an instructor.

Prerequisite(s): students must complete the standard SSU form and secure the required approvals during the first week of classes.

Typically Offered Fall & Spring

Grading: GRD

EDUC 598 - Developing a Thesis/Project

Unit(s): 3 This is the final course in the graduate core courses in Education. This course develops students' abilities to carry out a thesis or project and provides basic information for planning and implementing the master of arts degree proposal. The main goal is to provide students with knowledge to begin their thesis or project. Time is provided for students to assess progress in the program and to complete portfolio development.

Prerequisite(s): completion of all M.A. coursework or taken in final semester of M.A. coursework.

Typically Offered Fall & Spring

Grading: GRD

EDUC 599 - Supervised Research for Thesis/Project

Unit(s): 3 Supervised Research provides students with guidance in the completion of their research project. Under the direction of the committee chair, and in consultation with all committee members, students will complete the thesis or project that was developed in EDUC 598 Developing a Thesis/Project. Following completion of the research project, students will participate in a formal presentation of their work to faculty and colleagues.

Prerequisite(s): completion of EDUC 598. Advancement to candidacy approved.

Typically Offered Fall & Spring

Grading: CNC

Education: Curriculum and Teaching

EDCT 544 - Curriculum, Teaching, and Learning in the Content Areas

Unit(s): 3 Examination of curriculum, teaching, and learning in the context of a particular content area as taught in K-12 schools. This course extends and applies the more general theories, practices, and research in curriculum, teaching, and learning established in EDCT 585 and EDCT 586. Intended for students in the appropriate Subject Area Cohort Track in the Curriculum, Teaching, and Learning M.A. program.

Prerequisite(s): EDCT 585 and EDCT 586. Open to grad students only.

Typically Offered Not Recently Offered

Grading: GRD

EDCT 552 - Educational Technology Praxis

Unit(s): 3 Educational Technology Praxis requires students to take a reflexive stance towards the initiation and integration of technological skills and knowledge in authentic instructional contexts and settings. The practical application of technology will be grounded within current perspectives and trends of new media technologies and take into account educational frameworks of learning, design, and pedagogical practice.

Typically Offered Fall Only

Grading: GRD

EDCT 556 - Technology, Pedagogy, and Society

Unit(s): 3 This course relates pedagogical theories to technology integration strategies at various levels of education. The content is focused on how technology and learning are situated, how socio-cultural issues relate to and influence technological access and use, and power and privilege. Age, gender, race/ethnicity, social class, sexual orientation, language, and social capital and its intersections will also be analyzed.

Typically Offered Spring Only

Grading: GRD

EDCT 557 - Project Management for Educational Technology

Unit(s): 3 This course considers how a small-scale Educational Technology research project can be conducted

in an education environment. Case studies will be reviewed to offer practical tools and applied research strategies to students prior to conducting their own Educational Technology thesis or cognate project.

Typically Offered Spring Only

Grading: GRD

EDCT 559 - Educational Media and Information Literacy

Unit(s): 3 This course focuses on critical media and information literacy and issues related to researching, creating, and evaluating media in the Internet and Information Age. The course also highlights the origins and threads of cultural studies, media education, and digital literacy in an effort to better map and analyze both the field of digital media and learning and the evolution of digital participation and citizenship.

Typically Offered Fall Only

Grading: GRD

EDCT 560 - Instructional Design and Technology

Unit(s): 3 Instructional Design and Technology is a practical course that offers participants training in advanced instructional design methods and relates these to learning theories and pedagogical practices introduced in other Educational Technology courses. Advanced techniques will concentrate on evaluating and using a range of interactive instructional design authoring tools.

Typically Offered Fall Only

Grading: GRD

EDCT 562 - Educational Technology Mentorship

Unit(s): 3 Students will apply educational technology theory and methods through mentorship experiences. Such experiences may include working in the School of Education, Faculty Center, University Library, as well as with public or private partners in an educational or training capacity that utilizes technology. Mentorships require faculty approval, and a minimum of 45 hours of work per unit per semester, including regular consultation with, and evaluation by, the faculty sponsor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

EDCT 585 - Curriculum Development: Theory, Practice, and Evaluation

Unit(s): 3 Analyses of sociopolitical, economic, and cultural influences on curriculum development, instructional processes, and learner achievement in a variety of instructional settings. Study of the structures of various disciplines, the roles of participants, and other variables in staff and curriculum development. Evaluation of alternative theoretical models for constructing and changing curricula.

Prerequisite(s): consent of instructor and approval of the School of Education.

Typically Offered Fall Only

Grading: GRD

EDCT 586 - Teaching and Learning: Research and Application-Classroom

Unit(s): 3 An analysis of teaching and learning strategies and instructional variables as they relate to diverse groups of learners. Research will be analyzed in terms of the major paradigms of the field of education. Also included is a review of recent developments in the evaluation of classroom performance and achievement.

Prerequisite(s): consent of instructor and approval of the School of Education.

Typically Offered Spring Only

Grading: GRD

EDCT 595 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring

Grading: GRD

Education: Early Childhood Education

EDEC 110 - Understanding Development: Birth through Adolescence

Unit(s): 3 Are 2-year-olds really terrible? Is it inevitable that teens and parents argue continuously? Students will study child development research and theory to understand different factors that affect cognitive, social, emotional, and physical development from birth through adolescence. Students will reflect upon their own childhoods and consider applications to the lives of children from diverse backgrounds. This course is a prerequisite to EDEC 220 and 270.

GE Category: E - Life Long learning & Self Development

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Face-to-Face, Hybrid & Online

Grading: Graded

EDEC 160A - Social Justice in Childhood and Adolescence

Unit(s): 4 In this first year learning community, students study how inequality and privilege affect the identities, learning, and development of children and adolescents. Through analysis of children's literature, current social issues, and their own experiences, students apply social justice theory to authentic examples of inequality. Students also participate in transition curriculum designed to build college and leadership skills.

Prerequisite(s): Open to First Year students only.

GE Category: A passing grade in the fall semester fulfills 3 units of GE Area A3 (Oral Communication); a grade of C- or better in the spring semester fulfills 3 units of GE Area A3 (critical thinking).

Typically Offered Fall Only

Grading: GRD

EDEC 160B - Social Justice in Childhood and Adolescence

Unit(s): 4 In this first year learning community, students study how inequality and privilege affect the identities, learning, and development of children and adolescents. Through analysis of children's literature, current social issues, and their own experiences, students apply social justice theory to authentic examples of inequality. Students also participate in transition curriculum designed to build college and leadership skills. Open to First Year students only.

Prerequisite(s): EDEC 160A required

GE Category: A passing grade in the fall semester fulfills 3 units of GE Area A3 (Oral Communication); a grade of C- or better in the spring semester fulfills 3 units of GE Area A3 (critical thinking).

Typically Offered Spring Only

Grading: GRD

EDEC 178 - Introduction to ECS Major and Digital Portfolio

Unit(s): 1 In this course students learn about the requirements and responsibilities of the Early Childhood Studies (ECS) major, and learn about ethical and legal requirements in field placements and professional life. They will understand the purpose of the senior portfolio in the ECS major, learn about different types of portfolios, and practice building a digital portfolio.

Prerequisite(s): Declared ECS major

Typically Offered Fall & Spring **May Be Repeated** No
Grading: CNC

EDEC 201 - Foundations of Early Care and Education

Unit(s): 4 This course provides an introduction to the theory and research that underlie professional work with young children. Topics include: historical views on childhood and play, influential theorists, historical and contemporary models of early childhood education, principles of developmentally and culturally appropriate practice, contemporary issues in early care and education, professional ethics, and professional career development.

Typically Offered Fall & Spring
Grading: GRD

EDEC 220 - Child Observation with Field Experience

Unit(s): 4 Students will learn the major developmental milestones, research findings, and theories covering the social, emotional, physical, and cognitive development of children from conception through eight years old. Students will concurrently study observation techniques for documenting and assessing children's growth and development. Includes 24 hours of field work in an Early Childhood setting. Students must sign the School of Education Field Experience Agreement before starting at their field site.

Prerequisite(s): EDEC 178, and open to sophomores and above.

Typically Offered Fall & Spring **May Be Repeated** No
Teaching Mode: Face to Face & Hybrid **Grading:** Graded

EDEC 237 - Early Childhood Curriculum with Field Experience

Unit(s): 4 This course presents an overview of knowledge and skills related to planning and implementing developmentally and culturally appropriate curriculum and

environments for young children from birth to eight years old. Students examine how to create and use the physical environment as the foundation for promoting activities that support learning and development, with an emphasis on language and literacy development and the essential role of play. Includes 24 hours of field work in an infant/toddler, preschool, transitional kindergarten, or kindergarten classroom that has been approved by the instructor. Students must sign the School of Education Field Experience Agreement before starting at their field site. Course open to sophomores and above.

Prerequisite(s): EDEC 220.

Typically Offered Fall & Spring **May Be Repeated** No
Teaching Mode: Face to Face & Hybrid **Grading:** Graded

EDEC 247 - Physical Development and Health in Childhood

Unit(s): 3 In this course, students will study the factors that promote optimal physical development and health in childhood. Students will consider practical applications of this knowledge in a variety of organizations that serve young children. Students will also study the basics of parent education, so that they can work effectively with parents to keep children safe and to see that children receive needed health services.

Prerequisite(s): Open to ECS majors only.

Typically Offered Fall & Spring
Grading: GRD

EDEC 270 - Families and Children in Diverse Societies

Unit(s): 4 Class participants will study the dynamic interactions of race, culture, gender, socioeconomic status, and other factors as they relate to the care and education of children from diverse populations. Students will explore the diversity of family systems, sociocultural factors affecting the child's development, and the socializing influences of community. The coursework helps students become more informed and effective professionals and community members by promoting the development of the knowledge, dispositions, and skills needed to work effectively with families and children in a pluralistic society.

Prerequisite(s): Course open ECS majors and minors only.

Typically Offered Fall & Spring
Grading: GRD

EDEC 347 - Field Experience in Community Service Agencies

Unit(s): 2 Students will complete a field placement (at least 45 hours) in an approved agency or organization that serves children in a non-education/non-child care setting. Students will perform tasks set by the placement agency, attend weekly class meetings, and complete readings and assignments related to working effectively with diverse children and families. Students must sign the School of Education Field Experience Agreement before starting at their field site.

Prerequisite(s): EDEC 220, declared ECS Major with a concentration in Early Childhood Development, junior or senior standing. This course can be taken one time only.

Typically Offered Fall & Spring **May Be Repeated** No
Teaching Mode: Face to Face & Hybrid **Grading:** Graded

EDEC 405 - iPlay: Child Development in the Digital Age

Unit(s): 3 Students will study theories and research in child development and early childhood education to answer questions about how adults should use technology with children, how to judge when technology use by children might be inappropriate or harmful, and how to find resources for supporting the use of technology with young children.

Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 406 - Positive Guidance

Unit(s): 3 Students will study principles and strategies of positive guidance for children with and without special needs from birth to age eight. Topics include: development of pro-social skills, the art of encouragement, understanding and preventing challenging behaviors, bullying prevention, and family involvement.

Prerequisite(s): Class open to sophomores, juniors and seniors only.
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 407 - Multicultural Children's Literature

Unit(s): 3 This course surveys multicultural literature for children (infancy-middle childhood). It addresses the use

of literature to promote children's cognitive, socio-emotional, language, and literacy development in a variety of early childhood settings. Special attention is given to diverse children, including dual language learners. Class open to sophomores, juniors and seniors only.

Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid.

EDEC 408 - Science, Literacy, and Play: Exploring the Natural World with Young Children

Unit(s): 3 Students will study content and pedagogical strategies for working with children in natural/outdoor environments through integrating the sciences, emergent and early literacy, and play. Course emphasis is on the inter-related nature of living systems and teaching the sciences using a play-based approach. Topics include: the role of the adult in teaching the natural sciences, issues and trends in exploring nature with children, and creating developmentally and culturally appropriate environmental science and literacy experiences for young children.

Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 409 - Play in Early Childhood

Unit(s): 3 In this course, students will explore the variety and importance of play in early childhood development. Topics will include: defining play and types of play; play in different developmental stages (infants, toddlers, early and middle childhood); the benefits of play for physical, socio-emotional, cognitive and language development; traditional and digital toys and games; play in school; and play in relation to gender, culture, and special needs.

Prerequisite(s): Class open to sophomores, juniors and seniors only
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 410 - Language Development

Unit(s): 3 This course explores language development from 0-8 years of age, covering the main language acquisition theories of how children construct meaning, build grammar(s), and use language as social practice. Course includes a focus on meeting the needs of Dual Language Learners with developmentally, culturally and linguistically appropriate practices.

Prerequisite(s): Class open to sophomores, juniors and

seniors only

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 411 - Infant and Toddler Development

Unit(s): 3 Students will learn theory and research in infant and toddler development and will consider the implications for agencies and programs that serve children under the age of three. Course topics include attachment theory, stage theories of infant and toddler development, developmental growth and milestones, early brain development, ACES, resilience, and positive guidance.

Prerequisite(s): Class open to sophomores, juniors and seniors only.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 412 - Brain Development

Unit(s): 3 Students will learn theory and research on brain development and will consider the implications for early childhood professionals who work with young children. Course topics include brain architecture, gene-environment interaction, toxic stress, executive function, and self-regulation, resilience, and the importance of play for healthy brain development.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDEC 420 - Child Development in Family, School, and Community

Unit(s): 3 Students will explore the physical, cognitive, social, emotional, moral, and language development of children from birth through adolescence. The course covers major theories of child development, including critiques and application of the theories as they relate to children from a variety of cultural and family backgrounds. The impact of child-rearing beliefs, poverty, gender issues, and language development are studied as they relate to developmentally-based practices in educational settings. Students will learn effective school-family communication practices for a diverse society, individualized curriculum to meet the needs of diverse learners, and community resources available to support families. This course can be applied to the Child Development Permit.

Prerequisite(s): Class open to sophomores, juniors and seniors only

GE Category: Satisfies GE Area E (the Integrated

Person).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

EDEC 435 - Leadership on Behalf of Children and Families

Unit(s): 4 In this course, students will study and apply the principles and strategies that underlie effective administration of programs for young children and families and effective advocacy on behalf of young children and families. Students will build and use leadership skills in the areas of identifying priorities, organizational planning, guiding staff, communicating clearly, and working collaboratively with community partners. Present-day early childhood advocacy issues will be explored and students will engage in leadership efforts that engage their newly developed understandings and skills.

Prerequisite(s): Open to ECS majors only.

Typically Offered Fall & Spring

Grading: GRD

EDEC 437 - Integrated Curriculum with Field Experience

Unit(s): 4 In this course, students will learn to plan and implement developmentally and culturally appropriate curriculum for children in early elementary classrooms. Through study of professional resources and participation in an instructor-approved classroom, students will create learning and assessment opportunities that enable young children to construct knowledge through an integrated approach that includes all curriculum areas and that aligns with relevant state and professional standards. Includes 24 hours of fieldwork in an early elementary setting. Students must sign the School of Education Field Experience Agreement before starting at their field site.

Prerequisite(s): EDEC 237 and EDEC 220.

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Face to Face & Hybrid **Grading:** Graded

EDEC 447 - Children's Emotional Development and Mental Health

Unit(s): 3 In this course, students will deepen their understanding of children's emotional development from birth through age eight, and learn about common mental health problems in early childhood. Topics include the role of sociocultural context, risk and protective factors,

attachment and temperament, resilience, common mental health problems, and mental health observation and screening tools. Pre-requisite: Junior or senior standing in the Early Childhood Development concentration.

Prerequisite(s): Juniors and Seniors and ECS and HD Majors only.

Typically Offered Fall & Spring

Grading: GRD

EDEC 450 - Empowerment and Equity for Children and Families

Unit(s): 3 Questions of social justice and equity are fundamental to our understanding, application, and critique of the ways children are raised. This class will explore strategies to support children within the context of their families, school, and community by critically applying theories and research of child development. There is an emphasis on (1) dual language learners and (2) local community resources available to support families, including those that address issues of poverty and violence and the effects of these on children and their families.

Prerequisite(s): Pre-requisites: ECS or Human Development major or minor; and completion of EDEC 110; and sophomore, junior, or senior only

Co-requisite(s): None **Crosslisted:** None

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Face-to-Face, Hybrid & Online

Grading: Graded

EDEC 460 - Introduction to Research in Early Childhood Studies

Unit(s): 4 This course provides an overview of quantitative and qualitative research methods commonly used to study young children. Topics will include research methods, the role of context in research, common early childhood psychological measurement tools, observational techniques, research ethics, library research strategies, and evaluating research reports.

Prerequisite(s): Juniors and Seniors and ECS and HD Majors only.

Typically Offered Fall & Spring

Grading: GRD

EDEC 478 - ECS Senior Portfolio

Unit(s): 1 In this seminar, students will compile and reflect upon their academic experiences at Sonoma State University and in the Early Childhood Studies major. Final

portfolios will be presented to faculty and students in the Early Childhood Studies program. Students must be in their final semester in order to enroll.

Prerequisite(s): Senior in the Early Childhood Studies major.

Typically Offered Fall & Spring

Teaching Mode: Face to Face & Hybrid **Grading:** Graded

EDEC 480 - Teaching Assistant and Leadership in Early Childhood Studies

Unit(s): 3 Students will be introduced to topics related to teaching in higher education as they become more effective teaching assistants. Topics include principles and techniques of student engagement, reliable and effective assessment of students' work, strategies to support a diverse body of students including those are non-native English speakers.

Prerequisite(s): Consent of Instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated once for credit.

Teaching Mode: Hybrid **Grading:** GRD

EDEC 490 - Special Topics in Early Childhood Studies

Unit(s): 1-4 A course designed according to the interests of a particular faculty member, providing opportunities for diversification in content and reading.

Prerequisite(s): Class open to sophomores, juniors and seniors only

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under a different topic. Only one topic per semester.

Grading: GRD

EDEC 495 - Special Studies

Unit(s): 1-4 Independent study completed under the supervision of a faculty member.

Prerequisite(s): Consent of Instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

EDEC 531 - The Role of Play in Development and Learning

Unit(s): 3 Students will examine theories from developmental psychology, education, and anthropology to look at the role of play in human experience, from infancy to adulthood. Topics include play's relationship to learning in all areas of development and academic disciplines, history of play, effects of technology and culture on children's play, gender development and play, play environments, play therapy, and play as a tool for developmentally and culturally sensitive curriculum and assessment.

Prerequisite(s): graduate student in Education or permission of instructor.

Typically Offered Fall Odd Years

Grading: GRD

EDEC 532 - Social-Moral Development in ECE

Unit(s): 3 Students will explore theories and research addressing social and moral development from infancy through middle childhood. Topics include: attachment and its role in social and moral development, research on the development of prosocial behavior and the ability to take the perspective of others, cultural value differences, gender identity and gender role socialization, development of friendships, resiliency and at-risk children, curriculum that promotes children's social and emotional development, and working with parents to promote children's social and emotional development. Students will plan, implement, and report on action research projects that answer specific questions dealing with social, moral, and emotional development in early childhood education.

Prerequisite(s): graduate student in Education or permission of instructor.

Typically Offered Fall Even Years

Grading: GRD

EDEC 535 - Lead Adv for Children and Families

Unit(s): 3 Students will critically examine research, theories, and policies related to administration of programs that serve children and families. Students will develop leadership skills in the areas of teaching adults, administering programs, and advocating effectively for children and families within and outside of early care and education programs.

Prerequisite(s): graduate student in Education or permission of instructor.

Typically Offered Spring Odd Years

Grading: GRD

EDEC 538 - Cognitive and Language Development in Early and Middle Childhood

Unit(s): 3 This course addresses the development of children from birth through middle childhood with emphasis on the relationships between language development and cognitive development. We will study the ideas of major theorists -- Piaget, Erikson, Bruner, Vygotsky, Mead, and others -- who address the development of children's representational thinking, language, and cross-cultural and family influences on development and learning. We will also explore current research on brain development in the first five years of life from a critical perspective and with an emphasis on practical implications. We will study current research and theories of cognitive, social, and emotional development as related to oral, written, and spoken language development in home and in school/care environments, including in environments where children are learning more than one language.

Prerequisite(s): graduate student in Education or permission of instructor.

Typically Offered Spring Even Years

Grading: GRD

EDEC 547 - Advanced Field Experience

Unit(s): 3 In this online course, students participate in Canvas learning activities and arrange to do 60 hours of fieldwork in an Early Care and Education setting (birth to age 8). Field experiences include observations, designing and implementing educational activity plans, and collaboration with parents and other ECE professionals. The focus of the course is integrated curriculum, with an emphasis on project-based learning. In addition to field experiences, students complete academic and professional readings and reflective assignments. Pre-requisite: Admission to ECE Certificate Program. Offered in online teaching mode.

Prerequisite(s): Admission to ECE Certificate Program.

Typically Offered Spring Only

Grading: GRD

EDEC 578 - Project Continuation

Unit(s): 1-3 **Typically Offered** Variable Intermittently
Grading: CNC

EDEC 590 - Special Topics in Early Childhood Education

Unit(s): 3 Special topics in the field of Early Childhood Education will be offered on a rotating basis. Students engage in advanced study of theory and research with applications to early childhood education settings.

Prerequisite(s): admission to the School of Education M.A. program.

Typically Offered Variable Intermittently

Teaching Mode: Depending on student and department needs, courses are offered face-to-face, online, or in hybrid format. **Grading:** GRD

EDEC 595 - Special Studies

Unit(s): 1-4 Independent study completed under the supervision of a faculty member.

Prerequisite(s): Consent of Instructor.

Typically Offered Variable Intermittently

Grading: GRD

Education: Leadership

EDEL 580A - Introduction to Educational Leadership and School Management

Unit(s): 3 This course is the introductory course for the Sonoma State University Preliminary Administrative Services Credential program. Candidates examine concepts of leadership, school culture, the dynamics involved in change, democratic decision-making and school governance, diversity, frames of reference, and the roles of an educational leader. Current practices are examined with a view of rethinking schools for the 21st century based on developing educational leadership values.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Fall Only

Grading: GRD

EDEL 580B - Advanced Educational Leadership and School Management

Unit(s): 3 This course is designed as the culminating course in the Preliminary Administrative Services Credential Program. The goal of the course is to learn successful strategies and approaches involved in school improvement and ways to develop the school as an organization. Candidates engage in a self-assessment of their skills and abilities and personal theory of leadership in preparation for administrative positions.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program and EDEL 580A.

Typically Offered Spring Only

Grading: GRD

EDEL 581 - Management of Educational Personnel: Policies and Procedures

Unit(s): 3 Candidates examine human resource administration as it relates to educational leadership and develop an understanding of the importance and dimensions of issues related to human resources that lead to positive and productive educational settings.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Spring Only

Grading: GRD

EDEL 582 - Educational Policy and Politics

Unit(s): 3 This course is an examination of federal, state, and local politics and policy and their effects on school districts and schools. Emphasis is placed on the issues of educational reform, accountability, and finance.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Fall Only

Grading: GRD

EDEL 583 - School Law

Unit(s): 4 This course is a study of the governance of schools and the various sources of regulation and allocation of resources impacting education and learning. Case studies and application of various sources of law are explored, including student rights, torts, first amendment issues, special education law, teacher rights, contracts, church and state issues and discipline. School finance leadership and regulations governing budgets are also examined.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Spring Only

Grading: GRD

EDEL 584 - Leadership: Community and Family Engagement

Unit(s): 1 This course is part of the requirements for the preliminary administrative credential program. Candidates will examine concepts the role of leaders in promoting genuine and meaningful community and family involvement in the educational process of programs, schools and districts. It includes involving families and other stakeholders in formulating a school vision; methods of building trust, communicating effectively with the community and families, accessing of community services in creating a more holistic approach to education, and the mental health needs of students in schools. Pre-requisite: Admission to the Educational Leadership Credential Program

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Variable Intermittently

Grading: CNC

EDEL 587A - Beginning Field Experience in Administration

Unit(s): 3 Intensive field experience in school administration that extends learnings and competencies in program coursework.

Prerequisite(s): admission to the Preliminary Administrative Services Credential program and consent of instructor.

Typically Offered Fall Only

Grading: GRD

EDEL 587B - Advanced Field Experience in Administration

Unit(s): 3 This course is the completion of the fieldwork requirement for the program. Candidates provide evidence that they have successfully met all six administrative standards in their fieldwork experiences. Each student completes field assignments and projects that apply learning to educational settings.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program and EDEL 587A.

Typically Offered Spring Only

Grading: GRD

EDEL 588 - Curricular Leadership: Learning and Assessment

Unit(s): 4 In this course, candidates study the relationship between curriculum and learning theory. Three

interrelated areas of schooling will be explored. These are the purposes and goals of schooling, learning and cognition, and the role of assessment. Utilizing this information the candidates will assess a curricular aspect within their school setting and develop curricular guides for use in program evaluation.

Prerequisite(s): Admission to the Preliminary Administrative Services Credential Program.

Typically Offered Spring Only

Grading: GRD

EDEL 589 - Leadership for Diverse Populations and Communities

Unit(s): 2 This course allows candidates to reflect on their own culture and to better understand and the values, points of view from a variety of cultures, ethnic groups, and individuals with special needs. The goals include learning successful strategies and approaches involved in working with diverse communities and how a leader can move their school or district to higher levels of cultural proficiency. The course also looks at the leaders role in promoting learning for all students including those receiving special education services.

Prerequisite(s): admission to the Preliminary Administrative Services Credential Program.

Typically Offered Fall Only

Grading: GRD

EDEL 595 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring

Grading: GRD

EDEL 596A - Introduction to Advanced Educational Problems

Unit(s): 2 Students will be involved in site-based problem solving and analysis, the generation and field implementation of appropriate solutions, and an evaluation of the chosen solutions. Planning, discussion, monitoring, coaching, and evaluation will occur in a seminar setting.

Prerequisite(s): EDEL 590A, possession of Preliminary Administrative Services Credential, and admission to the Professional Administrative Services Credential program.

Typically Offered Not Recently Offered

Grading: CNC

EDEL 596B - Completion of Advanced Educational Problems

Unit(s): 2 Same as EDUC 596A.

Prerequisite(s): EDUC 590A, a Preliminary Administrative Services Credential, and admission to the Professional Administrative Services Credential program.

Typically Offered Not Recently Offered

Grading: CNC

EDEL 596C - Introduction to Collaborative Action Research

Unit(s): 2 Same as EDUC 596A.

Prerequisite(s): EDUC 590A, possession of Preliminary Administrative Services Credential, and admission to the Professional Administrative Services Credential program.

Typically Offered Not Recently Offered

Grading: CNC

EDEL 596D - Completion of Collaborative Action Research

Unit(s): 2 Same as EDUC 596A.

Prerequisite(s): EDUC 590A, possession of Preliminary Administrative Services Credential, and admission to the Professional Administrative Services Credential program.

Typically Offered Not Recently Offered

Grading: CNC

EDSP 480 - PIP/STSP Practicum/Seminar

Unit(s): 4 This seminar and practicum connects the California Teaching Performance Expectations with university coursework and the candidate's special education teaching experience. Seminar involves learning from and supporting other teachers by sharing individual teaching experiences. Field-based practicum provides support and guidance to candidates in their K-12 classrooms from university faculty who conference with teachers about their needs, observe and provide feedback on classroom practices.

Crosslisted: EDSP 481

Typically Offered Fall & Spring

Teaching Mode: Face to Face, Hybrid & Online

Grading: Graded

Education: Multiple Subject

EDMS 100 - Explorations in Teaching

Unit(s): 2 This seminar is designed as a reflection space for students who are considering the teaching profession. They will observe and interact with children and teachers in elementary schools, as well as read about forces that shape teachers and issues they confront in our educational system. They will analyze what it means to be a teacher today in our elementary schools, facing the challenges of diversity, equity, and quality of education.

Prerequisite(s): Course restricted to Liberal Studies BA students with a Hutchins School: Blended-Trk 3 Sub-Plan.

Typically Offered Fall Only

Grading: GRD

EDMS 200 - Being a Teacher in Today's Schools

Unit(s): 2 This seminar continues the process of exploration, building on ED/LIBS 100, where students discussed what it means to be a teacher in our schools today. Here the focus is on the student in elementary education. From an educational perspective, students will consider what it means to be a student; what forces and circumstances shape their identity and their journey as students in elementary education. Students will elaborate their teaching philosophy throughout the semester, interweaving information from their own lives as students, from the readings, and from their field observations.

Prerequisite(s): Course restricted to Liberal Studies BA students with a Hutchins School: Blended-Trk 3 Sub-Plan.

Typically Offered Spring Only

Grading: GRD

EDMS 419 - Identity and Agency for Socially Just Classrooms and Communities

Unit(s): 3 Students examine ways in which culture, ethnicity, race, class, gender identity, language, physical/cognitive ability, religion, sexuality, and family structure intersect and impact students' identity and agency in classrooms and communities. Funds of knowledge, cultural bias, power, and perceptions provide lenses through which students examine social justice and equity. Students identify resources dedicated to these issues. Face-to-Face.

Typically Offered Fall & Spring

Grading: GRD

EDMS 463 - Teaching Language and Literacy in the Elementary School Grades TK-2

Unit(s): 3-4 Philosophy, goals, and pedagogy for language and (bi)literacy development in Grades TK-2. Approaching language and (bi)literacy from the combined perspectives of theory, research, and practice, participants will study, apply, and develop instruction and assessment tools and strategies to build and support phonemic awareness, phonics skills, vocabulary knowledge, comprehension, and composition. Course content is aligned with California ELD/ELA Framework and state standards.

Prerequisite(s): Admission to a Preliminary credential program or permission of the program coordinator.
Variable Credit.

Typically Offered Fall & Spring

Grading: GRD

EDMS 464 - Teaching Language and Literacy in the Elementary School Grades 3-6

Unit(s): 4 Candidates develop, refine and extend their knowledge of language and literacy instruction for grades 3-6 based on theory, research, and practice. They take a comprehensive approach in supporting childrens development of language, (bi) literacy skills, and academic language proficiency. Course content is aligned with California ELD/ELA Framework and state standards.

Prerequisite(s): Admission to Multiple Subject Credential Program.

Typically Offered Fall & Spring

Grading: GRD

EDMS 465 - Introduction to Dual-Language Education: Policies, Methods, and Inquiry for Teachers

Unit(s): 3 This course is designed for current teachers and student teachers in dual-language/bilingual contexts in order to refine their practice as educators of dual-language students to: 1) Develop an understanding of the history of bilingual education in the United States; 2) Reinforce understandings of the background and models of bilingual/dual-language education; 3) Develop current research-based best practices for teaching dual-language learners in grades tk-12; 4) Introduce theories, issues, and methodologies related to multilingual language acquisition. Pre-requisites: Admission in a teaching credential program or MA program

Prerequisite(s): Pre-requisites: Admission in a teaching credential program or MA program

Typically Offered Spring Only

Grading: GRD

EDMS 471 - Teaching Social Studies in the Elementary School

Unit(s): 4 Teacher candidates develop pedagogical content knowledge in social studies, exploring K-8 educational practices that promote civic responsibility and cultural understanding. They gain experience with integrating literature, primary documents, secondary resources, technology, hands-on activities, and the arts into social studies curriculum using state/ national standards to inform curricular decisions.

Prerequisite(s): One successful semester in MS Program.

Typically Offered Fall & Spring

Grading: GRD

EDMS 474 - Teaching Mathematics in the Elementary School

Unit(s): 3-4 Teacher candidates develop effective strategies and techniques for planning, teaching, assessing, and adapting TK-grade 6 mathematics instruction aligned with California's standards. They develop understandings of childrens mathematical thinking, language and cognitive development, and diversity in order to teach all students effectively. Learner-centered pedagogy is modeled and analyzed throughout.

Prerequisite(s): Credential Program admission.

Typically Offered Fall & Spring

Grading: GRD

EDMS 475 - Teaching Science and Visual and Performing Arts in the Elementary School

Unit(s): 3-4 Teacher candidates develop effective strategies and techniques for planning, teaching, assessing, and adapting instruction in all aspects of STEAM (science, technology, engineering, art, mathematics) based on the Next Generation Science Standards (NGSS) and visual and performing arts standards, as well as current research. Assessment in both content areas are explored.

Prerequisite(s): Credential Program admission.

Typically Offered Fall & Spring

Grading: GRD

EDMS 476S - Multiple Subject Credential Phase 1 Seminar

Unit(s): 2 On-campus seminar. Components include lesson planning, peer observation, digital portfolio,

physical education, and classroom management.

Prerequisite(s): Full Admission to the Multiple Subject Credential Program. All post-baccalaureate Multiple Subject candidates must take the course in their first semester in the program. Face-to-Face.

Typically Offered Fall & Spring

Grading: GRD

EDMS 481A - Intern Supervision

Unit(s): 3 This multiple-session supervision and seminar topics address professional issues faced by MS interns. Issues in education are examined through the perspectives of theoretical and practice-based research and the educational foundations of history, philosophy, sociology, anthropology, and politics of education. Interns will analyze their current classroom practices and influences on their teaching, conduct teacher research, and develop a professional portfolio consistent with their district professional growth plan and intern individual learning plan.

Typically Offered Not Recently Offered

Grading: CNC

EDMS 481B - Intern Supervision

Unit(s): 3 This multiple-session supervision and seminar topics address professional issues faced by MS interns. Issues in education are examined through the perspectives of theoretical and practice-based research and the educational foundations of history, philosophy, sociology, anthropology, and politics of education. Interns will analyze their current classroom practices and influences on their teaching, conduct teacher research, and develop a professional portfolio consistent with their district professional growth plan and intern individual learning plan.

Typically Offered Not Recently Offered

Grading: CNC

EDMS 481C - Intern Supervision

Unit(s): 3 This multiple-session supervision and seminar topics address professional issues faced by MS interns. Issues in education are examined through the perspectives of theoretical and practice-based research and the educational foundations of history, philosophy, sociology, anthropology, and politics of education. Interns will analyze their current classroom practices and influences on their teaching, conduct teacher research, and develop a

professional portfolio consistent with their district professional growth plan and intern individual learning plan.

Typically Offered Not Recently Offered

Grading: CNC

EDMS 481D - Intern Supervision

Unit(s): 3 This multiple-session supervision and seminar topics address professional issues faced by MS interns. Issues in education are examined through the perspectives of theoretical and practice-based research and the educational foundations of history, philosophy, sociology, anthropology, and politics of education. Interns will analyze their current classroom practices and influences on their teaching, conduct teacher research, and develop a professional portfolio consistent with their district professional growth plan and intern individual learning plan.

Typically Offered Not Recently Offered

Grading: CNC

EDMS 482F - Full-Time Student Teaching

Unit(s): 10 Fifteen week supervised student teaching (4.5 days per week) in a diverse elementary school setting. Candidates actively engage in planning, co-teaching, solo-teaching, and assessment in all subject areas, managing the school day for a 2-week take over and completing a state-approved Teacher Performance Assessment and program portfolio. Candidates collaborate with and are observed by mentor teacher, university supervisor and peers.

Prerequisite(s): Prerequisite: EDMS 482P and concurrently enrolled in either EDMS 463 or 464. **Co-requisite(s):** EDMS 463 or EDMS 464.

Typically Offered Fall & Spring

Grading: CNC

EDMS 482P - Part-Time Student Teaching

Unit(s): 3 Fifteen week supervised clinical practice (2 days per week) in a diverse elementary school setting. Candidates observe and participate in classroom routines, planning, co-teaching, solo teaching, and assessment in all subject areas in small and whole group setting. Candidates collaborate with and are observed by mentor teacher, university supervisor and peers, managing the school day for a 2-day take over and completing the program portfolio.

Prerequisite(s): Full admission to the Multiple Subject Teacher Credential Program including: Certificate of Clearance, negative TB, exams, and prerequisite courses.

Typically Offered Fall & Spring

Grading: CNC

EDMS 482S - Student Teaching Seminar

Unit(s): 2 On-site student teaching seminar that covers all aspects of student teaching including the digital portfolio and becoming a reflective educator. Students meet with their supervisors every week on-site. Taken concurrently with EDMS 482F.

Typically Offered Fall & Spring

Grading: CNC

EDMS 495 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: GRD

Education: Reading and Language

EDRL 521A - Language Development in First and Second Languages

Unit(s): 3 Research and theory in oral and written language development in home and subsequent languages, and the relationship between literacy learning and teaching. Special attention is given to factors that promote concept development and confident, effective language use. Attention to the structure of the English language, including phonology, orthography, morphology, syntax, and semantics. Contributions from many fields, (e.g., psycholinguistics, sociolinguistics, anthropology, and developmental psychology) provide perspectives for analysis of language acquisition and learning, evaluation of current educational practice, and planning for effective classroom experiences. Transfer strategies from primary language reading skills into English language reading skills are presented based on the tenets of effective language acquisition.

Typically Offered Fall Only

Grading: GRD

EDRL 521B - Reading and Language Arts in First and Second Languages

Unit(s): 3 Research, theory, and practice focused on written language development in home and subsequent languages. Students read, discuss, and critique theory and research into processes of reading and writing, with an emphasis on writing and written communication. Includes the theoretical foundation of assessment approaches for documenting reading and language arts progress and the relationship between literacy learning and teaching. Topics include sociolinguistic and psycholinguistic factors in reading and writing development, assessment-based reading and writing instruction for English language learners and struggling readers, emergent literacy at all ages, comprehension and study strategies, instructional planning, and evaluation and intervention approaches. Students develop a comprehensive set of strategies for promoting fluent reading, confident writing, and purposeful conversation for diverse student populations.

Prerequisite(s): approval of the program.

Typically Offered Fall Only

Grading: GRD

EDRL 522 - Assessment and Teaching in Reading and Language Arts

Unit(s): 3 Principles and procedures for literacy and content learning in English in classrooms with bilingual/bicultural students, as well as the design and selection of materials, methods, and contexts for literacy and content instruction at all ages. This course also focuses a variety of strategies for Specially Designed Academic Instruction in English (SDAIE) Field Studies. Applies to the concentration in Reading/Language.

Prerequisite(s): approval of the program.

Typically Offered Spring Only

Grading: GRD

EDRL 524 - Literature and Literacy

Unit(s): 3 Study of children's and adolescents' literature, authors, and ways of using literature in the classroom.

Prerequisite(s): approval of the program.

Typically Offered Fall Only

Grading: GRD

EDRL 527A - Clinical Field Experience in Reading and Language Arts

Unit(s): 3-6 Supervised practicum for Certificate candidates. In a Reading and Writing Workshop format,

candidates work with K-12 students under the supervision of and in collaboration with clinical faculty and Reading and Language Arts Specialist Credential candidates. Certificate candidates are assigned to students based on the candidate's prior program coursework and professional background, in order to assure diversity of experience with readers and writers of varying ages and abilities. Certificate candidates conduct formal and informal assessments and plan instruction and intervention for students in the clinic. Based on assessment findings, candidates collaborate in the delivery of appropriate instruction and interventions that utilize learners' strengths in order to address their needs. Candidates participate in clinical conferences and write reports in which they summarize and critique assessment findings and the success of the instruction. Opportunities will be available for candidates to work with beginning readers, struggling readers at different levels, English language learners, and successful readers and writers.

Typically Offered Summer Only

Grading: GRD

EDRL 595 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring

Grading: GRD

Education: Special Education

EDSP 421A - Effective Practices that Support Students with Diverse Learning Needs

Unit(s): 3 EDCU 421A represents a first course in the study of theoretical orientations, instructional strategies and classroom management to provide inclusive educational support for students with disabilities. The course is designed for Educational Specialist credential candidates in the Mild/Moderate, Moderate/Severe, and Communication Disabilities programs. Course content offers theoretical and conceptual underpinnings of the development of academic skills of students and the development of positive classroom ecologies to support students with special needs. Theoretical and conceptual foundations from a variety of paradigms are developed into applied techniques of instruction and classroom management through a series of readings, exercises, and assignments throughout the course.

Prerequisite(s): Admission to the Education Specialist credential program or permission of the instructor.

Typically Offered Spring Only

Grading: GRD

EDSP 421B - Early Field Placement

Unit(s): 1 EDSP 421B is an Early Field Placement during which candidates spend approximately 60 hours observing and participating in three special education classrooms or placements. In conjunction with EDSP 421A and the introduction on specific topics, the candidate will observe the teacher and students in the observation classrooms/settings to understand how these topics are operationalized in special education settings. These observations will be discussed further during class and via online discussion forums. The guided exploration of the work of a special education teacher and the ecology of the classroom will enrich the candidate's understanding of the profession and help to build the foundational knowledge and skills needed to be an effective special education teacher.

Prerequisite(s): Admission to the Education Specialist credential program or permission of the instructor.

Typically Offered Spring Only

Grading: CNC

EDSP 421C - Using Educational and Assistive Technology

Unit(s): 1 EDSP 421C surveys the use of technology to enhance teaching and learning in special education classrooms. A variety of topics are considered including the roles of technology in teaching and learning, designing lessons that incorporate the effective use of technology and using technology to support special populations. Both theory and practice in the use of educational and assistive technology will be examined through readings, discussions and activities in an online environment.

Prerequisite(s): Admission to the Education Specialist credential program or permission of the instructor.

Typically Offered Spring Only

Grading: GRD

EDSP 421D - Healthy Learners & School Environment

Unit(s): 1 In this course, personal, family, school, and community health are the framework for presenting coordinated health education in K-12 schools to teaching credential candidates. Subject matter includes school health laws, universal precautions, common diseases and prevention, drugs, alcohol and tobacco, sexuality, nutrition, fitness, pregnancy, special populations, child abuse, bullying, gender issues, community, diversity, and human ecology. Based upon California Health Framework,

meets state credential requirements.

Prerequisite(s): admission to the Education Specialist Credential Program or permission of the instructor.

Typically Offered Spring Only

Grading: GRD

EDSP 422A - Case Management and Transition Planning in Special Education

Unit(s): 3 In this course and accompanying Seminar, students will explore the communication and collaboration skills necessary for effective case management and transition planning for individuals with exceptional needs. Emphasis is placed on examining the skills, models, and strategies for successful collaboration in the context of special education service delivery requirements and models. Additional emphasis is placed on developing a comprehensive case management system as well as planning, implementing, and evaluating transition services across the lifespan for all learners. Class readings, course assignments, and specific fieldwork activities (EDSP 422B) are integrated within these classes to establish the connection from theory to practice culminating in the development of a case management notebook. Concurrent enrollment in EDSP 422A and EDSP 422B is expected.

Typically Offered Fall Only

Grading: GRD

EDSP 422B - Participant Observation/Fieldwork

Unit(s): 1 In this course and accompanying Seminar, students will explore the communication and collaboration skills necessary for effective case management and transition planning for individuals with exceptional needs. Emphasis is placed on examining the skills, models, and strategies for successful collaboration in the context of special education service delivery requirements and models. Additional emphasis is placed on developing a comprehensive case management system as well as planning, implementing, and evaluating transition services across the lifespan for all learners. Class readings, course assignments, and specific fieldwork activities (422B) are integrated within these classes to establish the connection from theory to practice culminating in the development of a case management notebook. Concurrent enrollment in EDSP 422A and 422B is expected. Class open to student programs of CRED, CREDC, CRED2, or Group RUCR (admitted to credential).

Typically Offered Fall Only

Grading: CNC

EDSP 423 - Assessment of Students with Disabilities

Unit(s): 3 In EDSP 423, candidates explore the basic principles and strategies of assessment and the ways that assessment informs curricular and instructional decisions for individuals with diverse special education needs. Candidates learn to use a variety of formal and informal assessments, linking these with progress monitoring to analyze student performance and develop appropriate goals based on findings. Legal, ethical, and diversity issues related to assessment are explored. Eligibility criteria and characteristics of students with disabilities are also a focus of this course.

Prerequisite(s): Admission to Education Specialist Credential program or by permission of the instructor.

Typically Offered Fall Only

Grading: GRD

EDSP 424 - Positive Behavior Supports for Students with Disabilities

Unit(s): 3 Functional assessment and analysis are used to develop positive behavior support plans for children with more significant behavior needs. The goal of this course is to help candidates learn to promote the social competence, self-management, and communication skills of students with special needs through behavior support.

Prerequisite(s): Admission to the Education Specialist Credential Program or by permission of the instructor.

Typically Offered Fall Only

Grading: GRD

EDSP 425 - Developing Academic Performance-Mild/Moderate

Unit(s): 4 EDSP 425 is designed to provide candidates in the Education Specialist Mild to Moderate Disabilities Credential Program with a research-based perspective on developing academic performance for students with mild to moderate disabilities. The relationship among assessment, curriculum, and instruction is investigated through the examination and application of a variety of informal assessments, instructional strategies, and curricula within the context of access to the core curriculum and content standards. Curricular modifications and instructional strategies that support students with mild/moderate disabilities in inclusive settings are

explored. Coursework follows a "theory into practice" format consisting of classroom simulations, visitations, guided activities, and student projects using field-based lessons.

Prerequisite(s): Admission to the Education Special Credential Program or permission of the instructor.

Typically Offered Fall Only

Grading: GRD

EDSP 426 - Communication Development: Assessment and Instruction

Unit(s): 4 In this course, students are presented with an overview of typical and atypical communication development in special populations. Evaluation measures, evidence based practices and effective instructional strategies related to the implementation of special education services for students with communication disorders and their families are addressed. Foundational knowledge on intervention techniques, AAC, and second language development is provided. Additional emphasis is placed on the communication and collaboration skills useful in forming productive partnerships with families, school personnel and community service providers. Class readings and course assignments are integrated within this class to establish the connection from special education theory to practice culminating in the development of a communication report.

Prerequisite(s): Admission to the Education Special Credential Program or permission of the instructor.

Typically Offered Fall Only

Grading: GRD

EDSP 428 - Education of Students with Moderate/Severe Disabilities

Unit(s): 4 EDSP 428 provides candidates in the Education Specialist Moderate to Severe Disabilities Credential Program with a research-based perspective on developing skills that are functionally tied to real world demands and that are required for successful inclusion in school, community, and workplace.

Prerequisite(s): admission to the Education Special Credential program or permission of the instructor.

Typically Offered Spring Only

Grading: GRD

EDSP 430 - Introduction to Special Education

Unit(s): 3 Students with disabilities are members of school communities around the nation and must be educated to the extent possible with their peers. Special education theory, pedagogy, legislation, public policy, and advocacy related to the education and inclusion of students with special needs into the least restrictive environment are introduced. Eligibility categories in special education, characteristics of students with disabilities, and implications for teaching are discussed. Evidence-based practices, such as Universal Design for Learning, Multi-tiered systems of support, and assistive technology will be introduced. Thirty hours of required field experience. May be taught as hybrid. Students in credential programs only.

Typically Offered Fall & Spring

Grading: GRD

EDSP 432 - Young Children with Special Needs

Unit(s): 4 An introduction to theories, research, and practices related to providing appropriate services for young children with special needs (birth through 8). Topics include: early identification of exceptional needs; collaborative partnerships for inclusive education; the role of parents; strategies and resources for supporting the educational, social, behavioral, and/or medical needs of young children; and the requirements of special education laws.

Prerequisite(s): Junior or Senior standing.

Typically Offered Fall & Spring

Grading: GRD

EDSP 433 - Teaching Adolescents with Special Education Needs

Unit(s): 3 Effective teaching practices for secondary-aged students with special needs and giftedness, with emphasis on academic and social needs, as well as teachers' responsibilities in the Individual Education Program (IEP) process. Candidates develop strategies for collaborating with families and other educators. Course includes field experiences and online activities.

Prerequisite(s): Concurrent enrollment in EDSS 458/Student Teaching or consent of the instructor.

Typically Offered Not Recently Offered

Grading: GRD

EDSP 460 - Teaching Event Seminar

Unit(s): 2 This seminar accompanying the student teaching experience (EDSP 465 or EDSP 467) is designed to support student teachers as they apply the skills and knowledge they've learned in coursework to the teaching of individuals with special needs. Through the seminar, they will also complete a teaching event demonstrating their competence as special educators as well as receive guidance and support aimed at a successful student teaching experience.

Prerequisite(s): Admission to the Education Specialist Mild/Moderate Disabilities Credential program,
Corequisite: EDSP 465 or EDSP 467.

Typically Offered Spring Only

Grading: GRD

EDSP 465 - Practicum: Mild/Moderate Disabilities

Unit(s): 11 EDSP 465 represents the student teaching component of the Mild/Moderate Disabilities credential program. Credential candidates student teach for 12 or more weeks under the guidance and supervision of a master teacher in the schools as well as a University supervisor from SSU.

Prerequisite(s): Admission to the Education Specialist Mild/Moderate Disabilities Credential Program, completion of requirements described in handbook. **Co-requisite(s):** EDSP 460.

Typically Offered Spring Only

Grading: CNC

EDSP 466 - Practicum in Second Credential Area

Unit(s): 2 To fulfill CTC requirements of clinical fieldwork and supervision, candidates pursuing a second education specialist credential participate in 12 weeks of full-time, supervised student teaching. University supervisors observe, support, and coach candidates in their classrooms

Prerequisite(s): Prerequisite: Admitted to CRED2

Typically Offered Fall & Spring

Grading: CNC

EDSP 467 - Practicum: Moderate/Severe Disability

Unit(s): 11 EDSP 467 represents the student teaching component of the Moderate/Severe Disabilities credential program. Credential candidates student teach for 12 or more weeks under the guidance and supervision of a master teacher in the schools as well as a University supervisor from SSU.

Prerequisite(s): Admission to the Education Specialist Mild/Moderate Disabilities Credential Program, completion of requirements described in handbook. **Co-requisite(s):** EDSP 460.

Typically Offered Spring Only

Grading: CNC

EDSP 481 - Internship Practicum/Seminar

Unit(s): 4 Seminar and practicum connecting the California Standards for the Teaching Profession with university coursework and the candidate's special education teaching experience. Seminar involves learning from and supporting other teachers by sharing individual teaching experiences. Practicum provides support and guidance to candidates in their classrooms from university faculty who conference with teachers about their needs, observe and provide feedback on classroom practices.

Prerequisite(s): Restricted to students accepted to Education Specialist Preliminary Credential program.

Typically Offered Fall & Spring **May Be Repeated** Yes

Teaching Mode: Hybrid **Grading:** GRD

EDSP 490A - Educating Students with Autism Spectrum Disorders

Unit(s): 3 This course intends to provide class participants with an overview of characteristics, etiology, and prevalence of autism spectrum disorders. An additional aim of this course is to supply participants with the knowledge and skills necessary to support the learning of children with autism spectrum disorders including instructional strategies, classroom organization, and teaming with families and professionals.

Typically Offered Not Recently Offered

Grading: GRD

EDSP 490B - Autism Spectrum Disorders: Seminar and Fieldwork

Unit(s): 2 This practicum and attached seminar will provide candidates with the opportunity to implement evidence-based practices with students diagnosed on the autism spectrum. Candidates will also engage in progress monitoring and the selection and administration of appropriate assessment measures. The seminar will extend candidate understanding of the service delivery options available to students with Autism Spectrum Disorders.

Typically Offered Not Recently Offered
Grading: GRD

EDSP 495 - Special Studies

Unit(s): 1-4 **Typically Offered** Variable Intermittently
May Be Repeated May be repeated for credit up to 8 units.

Grading: GRD

EDSP 502 - Advanced Pedagogy in SPED

Unit(s): 3 Candidates will deepen their understanding of pedagogies most effectively and equitably used to support the learning and behavioral needs of children with disabilities as well as children with disabilities who are also English language learners. Multiple assessment measures, including progress monitoring tools, will be linked to instructional planning to differentiate lessons according to student needs within the context of grade level standards and curriculum frameworks.

Typically Offered Spring Even Years

Grading: GRD

EDSP 513 - Current and Emerging Research and Practice in Special Education

Unit(s): 3 EDSP 513 is part of the Level II Education Specialist Credential Program. The course will critically examine emerging research on varied issues impacting special educational policy and practice. The value of empiricism as a philosophy, and data-based teaching practices will be explored. The issues surrounding quantitative and qualitative measurement along with varied conceptualizations of validity, reliability, and accountable practice will be explored via assigned readings and individual projects. These projects will require students to assess the research-based merits of selected special educational practices. Candidates will be required to triangulate various quantitative and qualitative measures of educational and policy effectiveness in order to render empirically informed conclusions about differential effects of various practices in the field of special education.

Prerequisite(s): admission into the Professional Level II Education Specialist Credential Program.

Typically Offered Fall Odd Years

Grading: GRD

EDSP 515 - Advanced Legal Issues in Special Education

Unit(s): 3 EDSP 515 is part of the Professional Level II Education Specialist Credential Program. Advanced legal issues faced by teachers, administrators, and parents in special education are addressed. Topics include entitlement to services, procedural due process, complaint resolution, least-restrictive environment, provision of related services, parent participation, shared decision-making, and other related legal issues. Candidates review federal legislation, case law, and statutory requirements within the context of understanding the legal framework underlying special education and providing services, which are legally, as well as programmatically, sound.

Prerequisite(s): admission into the Professional Level II Education Specialist Credential Program as well as EDUC-MA students.

Typically Offered Spring Odd Years

Grading: GRD

EDSP 522A - Family Partnerships in Early Childhood Special Education

Unit(s): 3 Build collaborative partnerships with the families of young children with disabilities. Develop the knowledge and skills to engage in culturally competent practices and be responsive to the needs, priorities and concerns of families. Collaborate with families to implement routines based interventions. Emphasis on family systems theory and family centered practice. Prerequisites: Admission to Early Childhood Special Education Added Authorization (ECSE-AA) program OR MA program; Concurrent enrollment in EDSP 522B for students in ECSE-AA.

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDSP 522B - Early Intervention Program Fieldwork

Unit(s): 1 Students will participate in an early intervention program for infants and toddlers. Practicum activities are linked to instruction and assignments in EDSP 522a: Family Partnerships in Early Childhood Special Education. Students are required to observe, implement assessments, design and deliver instruction, work closely with families and early childhood professionals and engage in reflection. Prerequisites: Admission to ECSE-AA certificate; Concurrent enrollment in EDSP 522A. Not for MA credit.

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** CNC

EDSP 523A - Assessment and Instruction in Early Childhood Special Education

Unit(s): 1 Overview of assessment and instructional practices utilized in early childhood special education. Conduct developmentally appropriate assessments. Acquire a repertoire of developmentally appropriate instructional strategies, assistive technologies, and other supports for young children in natural and inclusive environments. Design and implement interventions that address specific learning needs, are developmentally, culturally, and individually appropriate and reflect family concerns and priorities.

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

EDSP 523B - Preschool Students with Disabilities Program Fieldwork

Unit(s): 1 Students will observe and work with preschool aged (ages 3-5) students with a disability in an early childhood classroom. Practicum activities are linked to instruction and assignments in EDSP 523a: Assessment and Instruction in Early Childhood Special Education. Students are required to observe, implement assessments, design and deliver instruction, work closely with families and early childhood professionals and engage in reflection.

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** CNC

EDSP 590 - Critical Issues in Special Education

Unit(s): 3 Education 590 examines advanced issues surrounding current and critical issues in special education. Students will engage in self-directed inquiry exploring emerging theories and research in the field of special education. Further, the course will focus on the importance of understanding and respecting differing perspectives and positions related to special education theory and research.

Prerequisite(s): admissions to the Professional Level II program, M.A. program, or consent of the instructor.

Typically Offered Fall Even Years

Grading: GRD

EDSP 595 - Special Studies

Unit(s): 1-4 **Typically Offered** Variable Intermittently
May Be Repeated Course may be repeated for credit.
Grading: GRD

Education: Single Subject

EDSS 410 - Fieldwork and Seminar in Science Teaching and Learning

Unit(s): 3 45 hours of observation in middle/high school science classrooms, plus a weekly seminar. Students begin to view school science from the vantage point of a teacher. Intended primarily for students completing the Foundational Level General Science subject matter preparation program or considering a career in science teaching.

Typically Offered Fall Only

Grading: GRD

EDSS 418 - Development in Adolescence and Emerging Adulthood

Unit(s): 3 An analysis of adolescent development and contemporary adolescent experiences as it addresses the central question of how adolescents differ from adults and children in terms of development. Examination of specific dimensions of adolescent development include physical, cognitive, psychological, social, sexual, moral, and spiritual. Course content is appropriate for those planning to pursue careers in psychology, counseling, social work, and education. Restricted to: juniors, seniors CRED, CREDC, CREDP, CRED2, plan of EDUC-MA and to credential student group (RUCR).

Typically Offered Fall & Spring

Grading: GRD

EDSS 442 - Equity and Agency in Teaching and Learning

Unit(s): 3 Course explores theory, research and pedagogy related to teaching and learning in heterogeneous, secondary classroom settings. Concerns and experiences common to all teachers are addressed. The course focuses on issues of social justice and ways to implement equitable practices within teaching and the institution of education as a whole.

Prerequisite(s): admission to the Single Subject Credential Program, EDUC 417, and EDUC 418.

Typically Offered Fall Only

Grading: GRD

EDSS 443A - Creating Effective Learning Communities: Field Settings

Unit(s): 4 Focused and systematic observation and structured participation, including co-teaching and limited solo teaching, in heterogeneous, secondary classroom settings leading to a supervised student teaching experience.

Prerequisite(s): admission to the Single Subject Credential Program, EDUC 417, EDSS 418. Must be taken concurrently with EDSS 443B.

Typically Offered Fall Only

Grading: CNC

EDSS 443B - Creating Effective Learning Communities: Seminar

Unit(s): 3 Emphasizes positive approaches to discipline consistent with restorative justice and trauma-sensitive approaches. Guides students' observations with emphasis on classroom management and provides continuity between the Single Subject program and observation placements. Prepares students for successful student teaching via classroom management plans.

Prerequisite(s): EDUC 417, EDSS 418. Concurrent with EDSS 443A.

Typically Offered Fall Only

Grading: GRD

EDSS 444 - Curriculum, Instruction and Assessment

Unit(s): 1-4 Students learn to organize curriculum, plan instruction and engage in formative assessment using appropriate content and language/literacy standards. Practices that support diverse learners in secondary classrooms are experienced, analyzed and approximated.

Prerequisite(s): EDUC 417, EDSS 418; admission to the Single Subject Credential Program.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: GRD

EDSS 446 - Language and Literacy Development in Secondary Classrooms

Unit(s): 4 Principles, methods, and materials for guiding disciplinary and digital literacy in secondary classroom settings. Includes development theory and current issues in reading/language pedagogy for first and second

language learners.

Prerequisite(s): admission to the Single Subject or Education Specialist Credential Program, EDUC 417, EDSS 418, or permission of instructor.

Typically Offered Fall & Spring

Grading: GRD

EDSS 458 - Student Teaching in Multicultural Settings

Unit(s): 12 A supervised teaching experience in a multicultural middle, junior high, or senior high school setting under the guidance of a resident teacher and a University supervisor. Assignment consists of three teaching periods and two preparation periods daily. Two periods entail full student teaching responsibility as outlined in the Single Subject Handbook. The third period consists of assisting the resident teacher and/or limited teaching responsibilities in a supplemental authorization subject area. Student teachers may team teach in some or all of the classes.

Prerequisite(s): successful completion of all Phase I courses and successful presentation of a program portfolio. Must be taken concurrently with EDSS 459.

Typically Offered Spring Only

Grading: CNC

EDSS 459 - Seminar for Secondary Student Teachers

Unit(s): 4 This seminar supports student teacher candidates during their student teaching semester. The course provides opportunities for candidates to exhibit and examine their teaching competence in regard to classroom management, curricular planning, instructional strategies for diverse learners, assessment, and professional development. Candidates assemble a teaching portfolio. In addition, the weekly seminar prepares candidates for the PACT Teaching Event, a summative performance assessment of the candidate's demonstrated ability to plan, implement, and assess a significant segment of teaching. Successful completion of the Teaching Event will be required to earn a California Preliminary Single Subject Credential.

Prerequisite(s): successful completion of all Phase I courses. Must be taken concurrently with EDSS 458.

Typically Offered Spring Only

Grading: GRD

EDSS 495 - Special Studies

Unit(s): 1-4 **Typically Offered** Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.
Grading: GRD

Education: Teaching English to Speakers of Other Languages

EDTE 540 - Theories and Research in Second Language Acquisition

Unit(s): 3 This course provides an overview and critical examination of the theories and research in second language acquisition (SLA) and explores relationships between this work and second language teaching and learning. Major theories examined will include those from cognitive, psycholinguistic, sociolinguistic, and sociocultural perspectives.

Prerequisite(s): admission to the SOE M.A. Program.
Typically Offered Not Recently Offered
Grading: GRD

EDTE 541 - Advanced Pedagogical Grammar

Unit(s): 3 In this course you will gain an understanding of the grammar of English and how to use this understanding in teaching English as a second or foreign language. We will explore a variety of current perspectives and approaches to describing and teaching grammar.

Prerequisite(s): admission to SOE M.A. Program, EDTE 544.
Typically Offered Not Recently Offered
Grading: GRD

EDTE 542 - Teaching Multilingual Writers

Unit(s): 3 This course investigates the theory and practice of learning to write in a second language from an applied linguistics perspective. Topics will include the theoretical developments in L1 and L2 composition, current research issues, and pedagogical concerns, among others.

Prerequisite(s): Admission to the SOE M.A. Program, EDTE 544.
Typically Offered Spring Only
Grading: GRD

EDTE 545 - Special Topics in Teaching ESL/EFL

Unit(s): 3 Special Topics in the fields of applied and sociolinguistics related to teaching English as a second or

foreign language will be offered on a rotating basis.

Prerequisite(s): admission to the SOE M.A. Program.
Typically Offered Not Recently Offered
Grading: GRD

Electrical Engineering

EE 110 - Introduction to Engineering and Laboratory Experience

Unit(s): 1 **Laboratory:** 3 hours This course is designed to introduce principles of engineering to the students and expose them to the electronics and computer lab environment. The students are given opportunity to design and build some simple analog and digital circuits and make measurements using various types of lab equipment.

Prerequisite(s): Must be eligible to enroll in MATH 45 or MATH 161. Instructor's consent
Typically Offered Fall & Spring
Grading: OPT

EE 112 - Fundamentals of Digital Logic Design

Unit(s): 1 **Laboratory:** 3 hours Review of set theory and binary system, digital logic, Venn diagram, logic gates, minimization techniques, combinatorial logic and design of simple combinatorial logic circuits such as 1-bit adder; concept of coders, decoders, and integrated circuits

Prerequisite(s): EE 110 and Must be eligible to enroll in MATH 45 or MATH 161. Instructor's consent is
Typically Offered Fall & Spring
Grading: GRD

EE 220 - Electric Circuits

Unit(s): 3 **Lecture:** 3 hours Review of Kirchhoff's laws, circuit design, node and mesh analysis, etc.; Thevenin's theorem, Norton's theorem, steady state and transient analysis, transfer function. AC power and three-phase circuits, Y-Delta equivalents. Multi-port networks, two-port networks with energy storage, ideal transformers. Amplifiers and frequency response, filters.

Prerequisite(s): EE 110 with a C or better, CS 115 and MATH 211 with a C- or better; **Co-requisite(s):** EE 221 and PHYS 214; or consent of instructor.
Typically Offered Fall Only
Grading: GRD

EE 221 - Electric Circuits Laboratory

Unit(s): 1 Laboratory: 3 hours Laboratory work on material treated in EE 220 emphasizing elementary design principles.

Prerequisite(s): EE 110 with a C or better, CS 115 and MATH 211 with a C- or better; **Co-requisite(s):** EE 220 and PHYS 214; or consent of instructor.

Typically Offered Fall Only

Grading: GRD

EE 230 - Electronics I

Unit(s): 3 Lecture: 3 hours Theory, characteristics, and operation of diodes, bipolar junction transistors, and MOSFET transistors; analog and digital electronic circuits; design and analysis of analog electronic circuits such as filters, operational amplifiers, and single and multistage amplifiers; modeling and simulation using spice/multisim software.

Prerequisite(s): EE 220 and EE 221 with a C or better, MATH 211 and PHYS 214. **Co-requisite(s):** EE 231.

Typically Offered Spring Only

Grading: GRD

EE 231 - Electronics I Laboratory

Unit(s): 1 Laboratory: 3 hours Laboratory work to accompany EE 230. Computer-assisted design of electronic circuits involving devices such as diodes and transistors. Design, building, and testing of electronic circuits such as filters, oscillator, amplifiers, etc.

Prerequisite(s): EE 220 and EE 221 with a C or better, MATH 211 and PHYS 214. **Co-requisite(s):** EE 230.

Typically Offered Spring Only

Grading: GRD

EE 282 - Fundamentals of Engineering Modeling and Simulation Laboratory

Unit(s): 1 Fundamentals of Engineering Modeling and Simulation Laboratory (1 Unit). **Laboratory:** 3 hours. This laboratory course is designed to introduce engineering students to high-level programming and simulation environments in which they can model, measure, analyze, and visualize data.

Prerequisite(s): CS 115

Typically Offered Fall Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 310 - Microprocessors and System Design

Unit(s): 3 Hardware architecture of a general-purpose microprocessor and a micro-controller, memory hierarchy and supporting peripherals in micro controllers, comparison of various micro-controller architectures and capabilities, embedded system design using a micro-controller data transfer protocols supported by a micro-controller, process of code writing, compiling, and executing programs using an IDE and a simulator.

Prerequisite(s): ES 210, and EE 112 with a C or better.

Co-requisite(s): co-requisite EE 310L, or consent of instructor

Typically Offered Spring Only

Grading: GRD

EE 310L - Microprocessors & System Design Lab

Unit(s): 1 Laboratory work includes building and programming a microcontroller-based system and interfacing it to various external peripherals

Prerequisite(s): ES 210 and EE 112 with a C or better.

Corequisite: EE 310. **Co-requisite(s):** EE 310, or consent of instructor

Typically Offered Spring Only

Grading: GRD

EE 314 - Advanced Programming, Modeling, and Simulation

Unit(s): 4 Lecture: 4 hours Pointers and dynamic allocation of storage, linked lists, an introduction to the object oriented programming (OOP) paradigm, classes and objects, encapsulation, member variables and member functions. Static arrays, dynamic arrays, stacks and queues, linked lists, trees, binary search trees, balanced trees (AVL, red-black, B-trees), heaps, hashing, and graphs. System modeling techniques and applications such as generation of noise (random numbers) and correlated signal with different pdfs, measurement of statistical parameters like moments, queuing systems, and system simulation.

Prerequisite(s): CS 115 with a C- or better and EE 220 with a C or better, or consent of instructor.

Typically Offered Fall Only

Grading: OPT

EE 330 - Electronics II

Unit(s): 2 **Lecture:** 1 hour, **Laboratory:** 3 hours Output stage design of the amplifiers, non-linear op-amp circuits, differential amplifiers, common mode and differential mode circuit analysis, half-circuit analysis, study of current mirrors and active load design, analysis of two stage active load CMOS op-amp, high frequency models of BJT and MOSFET, analysis of low and high frequency responses of amplifiers, open circuit time constant (OTC) and short circuit time constant (STC), study of tuned amplifier.

Prerequisite(s): EE 230 with a C or better and MATH 241 with a C- or better or consent of instructor.

Typically Offered Fall Only

Grading: GRD

EE 334 - Microelectronic Circuits

Unit(s): 3 Integrated Circuit (IC) design philosophy, biasing IC amplifiers, current mirrors, current sources, gain cells, and cascode amplifiers. Differential and multistage IC amplifiers. Amplifier frequency response and frequency response analysis. Feedback and stability. Power amplifier classes, bipolar and CMOS realizations of IC power amplifiers. CMOS and bipolar operational amplifier design.

Prerequisite(s): EE 230, EE 231, MATH 241 or consent of instructor. **Co-requisite(s):** EE 334L

Typically Offered Fall Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 334L - Microelectronic Circuits Laboratory

Unit(s): 1 Laboratory work to accompany EE 334. Computer aided design of integrated circuit (IC) amplifiers. Design, building, and testing of current mirrors, current sources, gain cells, and cascode amplifiers. Design, building, and testing of differential and multistage IC amplifiers.

Prerequisite(s): EE 230, EE 231, MATH 241 or consent of instructor. **Co-requisite(s):** EE 334

Typically Offered Fall Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 345 - Probability and Statistics for Engineers

Unit(s): 3 Probability and its axioms, conditional probability, sequential experiments, independence, counting, discrete, continuous and mixed random variables and distributions, functions of random variables, expectations, multiple random variables and joint distributions, central limit theorem, weak law of large numbers, estimation of random variables, random

processes and their characterization.

Prerequisite(s): MATH 241 with a C- or better, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

EE 381 - Introduction to Instrumentation and Automation Laboratory

Unit(s): 1 Introduction to Instrumentation and Automation Laboratory (1 unit). Laboratory: 3 hours. In this laboratory based course students are introduced to computerized data acquisition systems and interfacing methods to laboratory instruments. Topics include building virtual instruments, understanding data acquisition methods, learning about communication busses, utilizing feedback control systems in automated testing, and performing signal processing and analysis.

Prerequisite(s): EE 330, CS 115 or consent of instructor.

Typically Offered Spring Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 400 - Linear Systems Theory

Unit(s): 3 **Lecture:** 3 hours Analysis of linear time-invariant systems, correlation, convolution, impulse response, complex variables, Fourier series and transform, sampling, filtering, modulation, stability and causality, feedback and control systems, Laplace and Z-transform, and fast Fourier transforms

Prerequisite(s): MATH 241 and MATH 211 with a C- or better, or consent of instructor. **Crosslisted:** MATH 430 and CES 400

Typically Offered Fall Only

Grading: GRD

EE 430 - Electromagnetic Theory and Applications

Unit(s): 3 **Lecture:** 3 hours Electrostatics, magnetostatics, electric currents, electromagnetic induction, electric and magnetic fields in matter, Maxwell's equations, retarded potentials radiation reaction, light emission, simple scattering and antenna theory, properties of waveguides, relativistic formulation of electrodynamics, Fourier decomposition of fields.

Prerequisite(s): PHYS 214, MATH 241 and MATH 261 with a C- or better. **Crosslisted:** PHYS 430

Typically Offered Spring Only

Grading: GRD

EE 432 - Physical Electronics

Unit(s): 3 Lecture: 3 hours Semiconductor materials, crystal structure and growth; energy bands and charge carriers, conductivity, and mobility; metal-semiconductor and p-n junctions; p-n junction diodes, bipolar junction transistors, field-effect transistors, CCD's, photonic devices, and integrated circuits. Projects in photolithography; conductivity and contact resistance measurements; I-V and C-V characteristics of diodes and characterization of transistors may be assigned.

Prerequisite(s): Course restricted to Electrical Engineering and MS-CES majors only, or consent of instructor. **Crosslisted:** PHYS 475 and CES 432

Typically Offered Not Recently Offered

Grading: GRD

EE 440 - Analog and Digital Communications I

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours Mathematical modeling of signals, time and frequency domain concepts, spectral density, components of a communications system, and analog signal transmission. AM, FM, and PM modulation and demodulation techniques; noise and bandwidth; link analysis. Laboratory work.

Prerequisite(s): EE 230 with a C or better and restricted to Electrical Engineering and MS-CES majors only.

Typically Offered Not Recently Offered

Grading: GRD

EE 441 - Analog and Digital Communications II

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours Digital signals and their transmission, PCM, log-PCM, ADPCM and DM, and other low bit rate coders. Digital data transmission, data encoding, clock recovery and BER, data modulation techniques, ASK, FSK, PSK, and QAM. Link budgets for satellite, cellular, and cable systems; the effects of noise and bandwidth. Laboratory work.

Prerequisite(s): EE 230 and EE 440 with a C or better.

Typically Offered Not Recently Offered

Grading: GRD

EE 442 - Analog and Digital Communications

Unit(s): 3 Lecture: 3 hours **Laboratory:** 3 hours Mathematical modeling of signals, time and frequency domain concepts, spectral density, components of a communications system, and analog signal transmission.

Analog modulation and demodulation techniques, FDM, noise and bandwidth; Digital signals and their transmission, PCM and low bit rate coders, TDM, data encoding for efficient baseband digital transmission, digital data modulation and demodulation, bit errors.

Prerequisite(s): EE 230 and EE 400 with a C or better.

Co-requisite(s): EE 442L.

Typically Offered Spring Only

Grading: GRD

EE 442L - Analog and Digital Communications Lab

Unit(s): 1 Laboratory work covers various analog and digital communication elements, and modulation, and demodulation techniques.

Prerequisite(s): EE 230 and EE 400 with a C or better; or consent of instructor. **Co-requisite(s):** Corequisite: EE 442, or consent of instructor

Typically Offered Spring Only

Grading: GRD

EE 443 - Introduction Optical Fiber Communications

Unit(s): 3 Lecture: 3 hours Principles of light wave propagation, and propagation in an optical fiber, fiber characteristics, O/E and E/O conversions, coupling, WDM, modulation techniques for efficient information transmission, and system design.

Prerequisite(s): EE 430 with a C or better, or consent of instructor. **Co-requisite(s):** EE 442 or consent of the instructor.

Typically Offered Fall Only

Grading: GRD

EE 444 - Introduction to RF Communications

Unit(s): 3 Principles of transmission line theory, scattering matrix methods, impedance matching, waveguides, microstrip, coplanar lines, couplers, detectors, antennas, RF filters, RF amplifiers, passive RF/ microwave devices (mixers, diplexers, etc.), RF/microwave communications link design, system noise and distortion, common wireless protocols.

Prerequisite(s): (EE 442 and EE 442L with a C or better) or EE 430 with a C or better, or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

EE 444L - RF Circuit Design Laboratory

Unit(s): 1 RF Circuit Design Laboratory (1 Unit).

Laboratory: 3 hours. This laboratory course is designed to introduce engineering students to basics of RF circuit design and Wireless Communications. Topics include utilization of Spectrum and Vector Network Analyzers, characterization of RF circuit components such as power amplifier, filters, mixers, frequency synthesizers, and antennas, as well as performance measurement of end-to-end RF transceivers.

Prerequisite(s): EE 442 and EE 442L or EE430 or consent of instructor. **Co-requisite(s):** EE 444

Typically Offered Spring Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 445 - Photonics

Unit(s): 3 **Lecture:** 3 hours Gaussian beams; guided-wave optics; fiber optics; optical resonators; resonant cavities; laser oscillation and amplification; laser excitation; optical pumping; solid state, gas, dye, chemical, excimer, and free electron lasers; semiconductor lasers; laser spectroscopy; fiber optic communication; photomultiplier and semiconductor radiation detectors including photoconductors and junction photodiodes; p-i-n diodes and avalanche photodiodes; detector noise.

Prerequisite(s): EE 430 or EE 330 with a C or better.

Crosslisted: PHYS 445 and CES 430

Typically Offered Not Recently Offered

Grading: GRD

EE 465 - Introduction to Networking and Network Management

Unit(s): 2 This course offers a working knowledge of IP addressing, TCP and UDP, the ISO reference model, MAC and Ethernet, LAN, MAN, WAN, routing protocols, application protocols, including, client-server model, web protocols, file transfer protocol, and email, and network elements such as repeaters, bridges, routers, and switches.

Prerequisite(s): EE 442 & 442L with a C or better, or consent of instructor **Crosslisted:** CES 440

Typically Offered Fall Only

Grading: GRD

EE 465L - Intro. to Networking and Network Management Lab

Unit(s): 1 This laboratory emphasizes on network concepts and protocols through configuring a network using networking elements and PCs, observing the actual behavior of the overall network, and analyzing and evaluating the results

Prerequisite(s): EE 442 and 442L with a C or better; **Co-requisite(s):** EE 4653 **Crosslisted:** CES 440

Typically Offered Fall Only

Grading: GRD

EE 470 - Introduction to Internet-of-Things

Unit(s): 3 Lecture, 3 hours. This course introduces the design principles, components, infrastructure-related architectures, and networking protocols used to develop the Internet-of-Things (IoT). The course also introduces a wide range of IoT applications and provides hands-on experiences via a series of projects.

Prerequisite(s): EE 310, EE 330, EE 465 or consent of instructor.

Typically Offered Fall Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 473 - Introduction to Robotics and Computer Vision

Unit(s): 3 Principles of robotics and computer vision, rigid motions and homogeneous transformations, forward and inverse kinematics, velocity kinematics, path and trajectory planning, sensors and actuators, closed-loop control, computer vision, and vision-based control.

Prerequisite(s): EE 314 or CS 215, MATH 241, EE 310 or consent of instructor.

Typically Offered Spring Only **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

EE 480 - Artificial Intelligence

Unit(s): 3 A survey of techniques that simulate human intelligence. Topics may include: pattern recognition, general problem solving, adversarial game-tree search, decision-making, expert systems, neural networks, fuzzy logic, and genetic algorithms.

Prerequisite(s): EE 314 with a C or better, and restricted to EE and MS-CES majors only.

Typically Offered Variable Intermittently

Grading: GRD

EE 485 - Selected Topics in Engineering Science

Unit(s): 1-3 A course on a single topic or set of related topics not ordinarily covered in the Engineering Science curriculum.

Typically Offered Variable Intermittently **May Be Repeated** The course may be repeated for credit as topics vary.

Grading: GRD

EE 486 - Selected Laboratory Topics in Electrical Engineering

Unit(s): 1 **Laboratory:** 3 hours A laboratory-based course on a single or set of related topics not ordinarily covered in the engineering science curriculum. Topics include Lab- VIEW, FPGA, and RF Instruments.

Prerequisite(s): Class open to Juniors and Seniors only
Typically Offered Fall & Spring **May Be Repeated** The course may be repeated for credit as topics vary.

Grading: GRD

EE 492 - Senior Design Project Planning

Unit(s): 1 Senior Design Project Planning calls on the professional skills of the discipline; it draws on the core disciplines of the students' major field of study, as well as exploring necessary topics such as scheduling, organization, budgeting,, prototyping, develop teamwork, customer liaison skills, employ creativity in proposing new solutions, and so forth. Hence, by the end of the capstone process students are expected to have a good understanding about various design phases, including analysis phase, a design phase, a validation phase and a production phase.

Prerequisite(s): EE 310 and 330 with a C or better, and Senior standing, or consent of the instructor.

Typically Offered Fall Only

Grading: GRD

EE 493 - Senior Design Project

Unit(s): 3 This is a capstone course. A major project designed to bring the knowledge gained from various courses together to analyze, design, and implement an electronic and/or communications system in an efficient and economic manner.

Typically Offered Spring Only

Grading: GRD

EE 497 - Engineering Science Colloquium

Unit(s): 1 **Lecture:** 1 hour Series of lectures on topics of interest in the relevant fields of engineering. A maximum of 1 unit can be applied to the ES major. The students may not miss more than two presentations. A brief summary of each presentation must be submitted after the presentation. The course grade is decided on evaluation of these reports.

Prerequisite(s): Class open to Seniors only

Typically Offered Fall & Spring

Grading: CNC

EE 498 - Engineering Practicum

Unit(s): 1-4 Under the faculty instructor's supervision, engineering juniors and seniors take this service learning training to further their practical engineering experience. A specific assignment is given by the instructor to each student for assisting the class to learn either in class or labs. Regular meetings with the instructor necessary keep track of progress of the assignment and evaluate the student's learning.

Prerequisite(s): Class open to Juniors or consent of instructor.

Typically Offered Variable Intermittently

Grading: CNC

English

ENGL 099T - Basic Composition-Tutoring

Unit(s): 1 Individual tutoring to support writing in undergraduate courses, primarily First-Year English composition. Ideal for multilingual learners and those seeking extra writing support. May be repeated. Not applicable toward graduation.

Typically Offered Fall & Spring **May Be Repeated** May be repeated.

Grading: PNP

ENGL 100A - First-Year Composition

Unit(s): 3 Study and practice in the expression of facts and ideas and principles of investigation, of organization, and of effective writing style, with emphasis upon expository writing and upon developing analytical reading ability. Students must successfully complete both English 100A and ENGL 100B; ENGL 100B may not be taken alone. Three units each semester. English 100A is a prerequisite for ENGL 100B.

GE Category: Satisfies GE Area A2 (Written Communication).

Typically Offered Fall Only

Grading: GRD

ENGL 100B - First-Year Composition

Unit(s): 3 Study and practice in the expression of facts and ideas and principles of investigation, of organization, and of effective writing style, with emphasis upon expository writing and upon developing analytical reading ability. Students must successfully complete both ENGL 100A and English 100B; English 100B may not be taken alone. Three units each semester. ENGL 100A is a prerequisite for English 100B.

Prerequisite(s): ENGL 100A.

GE Category: Satisfies GE Area A2 (Written Communication). C- or better required A2 credit.

Typically Offered Spring Only

Grading: GRD

ENGL 101 - Expository Writing and Analytical Reading

Unit(s): 3 Study and practice in the expression of facts and ideas and principles of investigation, of organization, and of effective writing style, with emphasis upon expository writing and upon developing analytical reading ability. Practice in the oral analysis and expression of ideas. Individual sections may be designated as Freshman Interest Group (FIG) courses and course material linked with companion FIG courses in other departments.

GE Category: Satisfies GE Area A2 (Written Communication). C- or better required A2 credit.

Typically Offered Fall & Spring

Grading: GRD

ENGL 160A - Humanities Learning Community

Unit(s): 4 ENGL 160A/ENGL 160B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

ENGL 160B - Humanities Learning Community

Unit(s): 4 ENGL 160A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): ENGL 160B.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

ENGL 199 - Student-Instructed Course

Unit(s): 1-3 A course taught by graduate students under the supervision of a department faculty member. The course content will not be one covered by the regular course offerings.

Typically Offered Variable Intermittently

Grading: OPT

ENGL 201 - Literary Analysis: Seminar

Unit(s): 4 The art of critical writing on each genre, and the application of traditional and modern criticism to the study of literature.

Typically Offered Fall & Spring

Grading: OPT

ENGL 203 - Introduction to Linguistic Studies

Unit(s): 4 The nature and structure of natural language; language variation; child first and second language acquisition; the role and function of language in the context of personal and group interactions and identities; language and other communication systems in culture and society; how language changes; introduction to techniques used in the scientific study of language.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Spring Only

Grading: OPT

ENGL 207 - Introduction to Creative Writing

Unit(s): 4 An introduction to a variety of forms of creative writing, poetry and prose poems, the personal essay,

vignettes, short stories, drama, and experimental fiction. Students will explore each form with in-class exercises and discussion.

GE Category: Satisfies GE Area C1 (Fine Arts, Theatre, Dance, Music, and Film).

Typically Offered Variable Intermittently

Grading: OPT

ENGL 214 - Literature of the World

Unit(s): 4 An introduction to the study of literature. Literature drawn from a worldwide range of cultures and historical periods will provide the basis for oral discussion and written analysis. The course promotes global awareness or cross-cultural perspectives while developing basic analytical skills necessary for appreciating literary texts in diverse contexts and traditions. Emphasis will be placed on written analysis of literary form and meaning.

GE Category: Satisfies GE Area C2 (World Literature).

Typically Offered Fall & Spring

Grading: GRD

ENGL 235 - Early British & American Literature

Unit(s): 4 Study of literary history and significant works in the British and American traditions from the Anglo Saxon through the end of the 18th century.

Typically Offered Fall Only

Grading: OPT

ENGL 236 - Later British & American Lit.

Unit(s): 4 Study of literary history and significant works in the British and American traditions in the 19th and 20th centuries.

Typically Offered Spring Only

Grading: OPT

ENGL 237 - Survey: Early American Literature

Unit(s): 4 Survey of American Literature from the 17th century through the middle decades of the 19th century, concluding with a study of Whitman and Dickinson. In addition to major authors, major themes of the periods will be explored, including a story of Puritanism, transcendentalism, and American romanticism.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 238 - Survey: Later American Literature

Unit(s): 4 Begins with Whitman and covers most major writers of the late 19th century and of the the 20th century. Dickinson, Twain, H. James, Faulkner, Eliot, Kate Chopin, Baldwin. Realism, naturalism, and modernism.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 239 - Survey: Early British Literature

Unit(s): 4 Survey of British Literature from the Anglo-Saxon period to the end of the 18th century. Focus is on major authors in their cultural context.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 240 - Survey: Later British Literature

Unit(s): 4 Survey of British literature from the late 18th century to the present. Focus is on major authors in their cultural context.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 273 - Critical and Creative Readings of Literary Texts

Unit(s): 4 This course investigates the literary expressions of a particular era or theme. Through critical reading and research, students will develop the skills of synthesis, analysis, and creative representation of ideas.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: GRD

ENGL 292 - Library and Information Research: Humanities

Unit(s): 4 An introduction to the use of Humanities resources in the Schulz Library. Students learn how to satisfy information needs, how to construct search strategies, how to find and retrieve information, and how to critically evaluate information sources. Includes lectures, demonstrations, and online research practice.

Electronic and print sources are covered.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 295 - Community Involvement Program

Unit(s): 1-4 CIP involves students in basic community problems, performing such tasks as tutoring and reading for the blind. Students receive 1 to 4 units, depending on the specific tasks performed. A total of 6 units of CIP credit may be applied toward a degree.

Typically Offered Not Recently Offered

Grading: CNC

ENGL 303 - Special Studies in Composition

Unit(s): 2-4 Expository writing, with a specific emphasis that varies from semester to semester; reports, grants, proposals, technical writing, and general business writing. Please see Schedule of Classes for current title.

Typically Offered Fall & Spring **May Be Repeated** This course is repeatable for credit.

Grading: GRD

ENGL 304 - War and Peace Lecture Series

Unit(s): 4 Students attend the public War and Peace Lecture Series and meet in discussion groups weekly to address a broad range of issues relating to the problem of war and prospects for peace. Lecturers represent diverse disciplines - e.g., economics, physics, peace studies, political science, sociology ~ and institutions. Discussion sessions synthesize material presented in lectures and outside readings and elicit students' personal responses to the issues raised. Reading and writing assignments required.

Prerequisite(s): Upper-Division standing.

GE Category: Satisfies GE, category C2 (Literatures, Philosophies and Values).

Typically Offered Fall Only

Grading: OPT

ENGL 307 - Introduction to Fiction Writing

Unit(s): 4 A writing workshop which focuses on crafting the short story.

Typically Offered Fall Only **May Be Repeated** This

course is repeatable for credit.

Grading: OPT

ENGL 313 - Classical Literature and Myth

Unit(s): 4 Study of major works of the ancient world in cultural context. Consult Schedule of Classes for current listing.

Typically Offered Fall Only

Grading: OPT

ENGL 314 - Modern World Literature in English

Unit(s): 4 Explorations and analysis of modern world literature in translation as well as works written originally in English. The course may offer a survey of world literature or provide a more in-depth study of one or more non-Western traditions in a global context (check course schedule for particular topics).

GE Category: Satisfies GE Area C2 (World Literature).

Typically Offered Fall & Spring

Teaching Mode: This course will be taught online during winter and summer sessions. **Grading:** OPT

ENGL 315 - California Ethnic Literature

Unit(s): 4 An introduction to representative California writers from 1900 to the present. Includes an examination of the theoretical, regional, multicultural, and multiethnic foundations of California literature. This course focuses upon both inter-ethnic and intra-ethnic literary relationships.

Prerequisite(s): completion of ENGL 101.

GE Category: Satisfies GE Area C2 (World Literature). Satisfies the Ethnic Studies requirement.

Typically Offered Fall & Spring

Grading: OPT

ENGL 315L - Curriculum Laboratory

Unit(s): 1 Workshop in curriculum development for Teachers Preparation Candidates only.

Co-requisite(s): Concurrent enrollment in ENGL 315 is required.

Typically Offered Not Recently Offered

Grading: GRD

ENGL 318 - Introduction to Poetry Writing

Unit(s): 4 This course is designed for the beginning student in poetry writing. Through creative exercises and the reading of contemporary poetry, we'll focus on the basic elements of writing poetry: individual voice, image, line, language, form, sound, and process. While there will be reading and much discussion of the reading, the central focus will remain on student work.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: OPT

ENGL 321C - Studies in Contemporary American Literatures & Cultures

Unit(s): 3 A course in literary explorations that will include subjects not normally offered in the regular curriculum. Please see Schedule of Classes for current titles.

Prerequisite(s): ENGL 101 or ENGL 100B required.
Crosslisted: LIBS 321C.
Typically Offered Fall Only **May Be Repeated** May be repeated for credit.
Grading: GRD

ENGL 339 - Introduction to Shakespeare

Unit(s): 3-4 An introductory course in Shakespeare that centers around explication, discussion, and criticism of the major plays in the canon. Available to majors and non-majors. Fulfills Shakespeare requirement for English majors.

Typically Offered Fall & Spring
Grading: OPT

ENGL 341 - Explorations in Language

Unit(s): 4 This course introduces a series of linguistic topics that meet the content requirements of the English waiver program for future teachers. Topics include history of the English language, semantics, language and/or literacy acquisition, or classroom discourse analysis. See Schedule of Classes for current offering.

Typically Offered Fall Only
Grading: OPT

ENGL 342 - Children's Literature

Unit(s): 4 A study of children's books, with emphasis on both traditional and modern materials. Consideration of

children's reading interests and criteria for selection of books.

Typically Offered Not Recently Offered
Grading: OPT

ENGL 343 - Youth and Literature

Unit(s): 4 A survey course focusing on the genre of young adult fiction and non-fiction, with emphasis on its use in the teaching of secondary school English.

Typically Offered Fall Only
Grading: OPT

ENGL 345 - Women Writers

Unit(s): 4 A survey that, with a varying focus from semester to semester, considers women writers in a number of different periods, countries, and genres. This course emphasizes the comparative analysis of gender and literary practice, including, for example, intersections with ethnicity, sexuality, and social class. Suitable for non-majors.

GE Category: Satisfies GE Area C2 (World Literature).
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

ENGL 350 - Survey in a Distinct Ethnic Tradition

Unit(s): 4 Survey of literature in a distinct tradition of ethnic/cultural literature. Study of the literary & cultural history of movements, authors and topics in a distinct tradition (for example, African-American Literature, Chicano/Chicana literature). Topics will vary from semester to semester.

Prerequisite(s): ENGL 101 or ENGL 100B.
GE Category: Satisfies junior survey requirement for Creative Writing and Literature concentrations.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit under new topics.
Grading: GRD

ENGL 352 - Personal Essay

Unit(s): 4 Intended for the general student who wishes to practice expository writing. Provides students with an opportunity to explore personal experience through writing and to examine elements of prose style in an informal, workshop atmosphere.

Prerequisite(s): upper-division standing and completion of the WEPT requirement, or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ENGL 367 - Introduction to Short Story

Unit(s): 4 An introductory course on the study of the short story as a genre. This course will survey the development of the short story over time. Specific offerings of this course may focus on particular traditions within the history of the short story.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 368 - Small Press Editing: ZAUM

Unit(s): 4 This course offers experience in editing and publishing a student literary journal as well as working on a national literary journal. Activities include editing, layout and graphics, marketing, and distribution.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ENGL 369 - Introduction to Poetry

Unit(s): 4 An introductory course on the study of poetry as a genre. This course will survey the development of poetry over time. Specific offerings of this course may focus on particular traditions within the history of poetry.

Typically Offered Variable Intermittently

Grading: OPT

ENGL 375 - Advanced Composition

Unit(s): 4 An advanced writing course, emphasizing organization of essays, style, usage, rhetorical techniques, and rewriting and editing. Course includes discussion of effective prose, review of students' work, and individual consultations. Completion of ENGL 375 with a grade of C or better satisfies the University WEPT requirement. ENGL 375 does not count towards Creative Writing concentration units.

Prerequisite(s): ENGL 101.

GE Category: Satisfies the University WEPT requirement. ENGL 375 does not count towards Creative

Writing concentration units.

Typically Offered Fall & Spring

Grading: GRD

ENGL 377 - Topics in Film Studies

Unit(s): 1-4 This course investigates major topics in film studies. Subjects vary and may include: the intersection of text and visuality, studies of authors/directors, script analysis, genres, historical movements and themes, and critical and theoretical approaches. This class may be offered as a stand-alone or in conjunction with other courses. Enrollment in linked sections will be limited to students in linked courses.

Typically Offered Spring Only **May Be Repeated** The course may be repeated for credit up to a maximum of 6 units.

Grading: OPT

ENGL 379 - Structure of English: Pedagogical Grammar

Unit(s): 4 This course is designed to develop an understanding of basic principles of linguistic analysis as well as the forms and functions of English grammar and sentence structure. Applications to classroom practices are also explored.

Typically Offered Spring Only

Grading: OPT

ENGL 385 - Junior Seminar

Unit(s): 4 Seminar leading students in focused and writing-intensive study of particular periods, authors, genre or topics. Course topics address various explorations in literature, such as genre study, film and literature, sub topics within larger periods of study, and special topics. Emphasis is on developing students writing and research skills around a particular topic.

Prerequisite(s): ENGL 101 or ENGL 100B.

Recommended: ENGL 201.

Typically Offered Fall & Spring

Grading: GRD

ENGL 395 - Community Involvement Program

Unit(s): 1-4 CIP involves students in basic community problems, performing such tasks as tutoring and reading for the blind. Students receive 1 to 4 units, depending on the specific tasks performed.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for a total of 6 units toward a degree.

Grading: CNC

ENGL 399 - Student-Instructed Course

Unit(s): 1-4 A course taught by graduate students under the supervision of a department faculty member. The course content will not be one covered by the regular course offerings.

Typically Offered Not Recently Offered

Grading: CNC

ENGL 400 - English Lecture Series

Unit(s): 1-4 A public lecture series on topics of general interest. Two units require regular attendance and a final paper. Students who take three units additionally meet once a week in discussion groups and do further reading on selected topics.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 401 - Introduction to Modern Critical Theory

Unit(s): 4 An introduction to a range of critical theories and practices related to modern literary criticism. The course aims to introduce students to the contemporary forms of critical theory and their antecedents, and to show their effects upon reading practices.

Prerequisite(s): ENGL 201

Typically Offered Fall & Spring **May Be Repeated** This course may be repeated for credit.

Grading: OPT

ENGL 402 - Introduction to Digital Humanities

Unit(s): 4 Introduction to the theory and practice of the digital humanities. Course includes instruction in a variety of digital applications suitable for text analysis, data visualization, web design, and digital exhibits. Specific course topics may vary from semester to semester.

Prerequisite(s): ENGL 101 or ENGL 100B and ENGL 201.

Typically Offered Spring Only

Grading: GRD

ENGL 403 - Contemporary World Literature: Form and Practice

Unit(s): 4 Introduction to contemporary writers' aesthetic strategies. The course will explore questions of style and craft from the inside out. Discussions will introduce students to writers' specific choices, and through writing exercises they will learn to imitate and apply them in their own, original writing.

Prerequisite(s): ENGL 101 or ENGL 100B and ENGL 201.

Typically Offered Spring Only

Grading: GRD

ENGL 407 - Advanced Fiction Writing

Unit(s): 1-4 An advanced-level fiction writing workshop.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: OPT

ENGL 409 - Master Class-Fiction Writing

Unit(s): 4 Fiction writing workshop with a published writer. Enrollment limited to 15.

Prerequisite(s): previous enrollment or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 418 - Advanced Poetry Writing

Unit(s): 4 This course is designed for the more advanced student in poetry writing. It is recommended that the student have prior instruction or approval by the instructor. While the focus is on student writing, students can also expect to obtain a strong sense of American poetics over the last 50 years.

Typically Offered Spring Only **May Be Repeated** This course is repeatable for credit.

Grading: OPT

ENGL 430 - Creative Writing: Select Genres

Unit(s): 1-4 A workshop in the writing of a selected genre such as: memoir, autobiography, screenplay, stage play, novel, etc.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ENGL 435 - Directed Writing

Unit(s): 2-8 Individualized instruction in poetry, fiction, or creative non-fiction writing, one-on-one with a published writer. No more than eight units of ENGL 435 may be counted toward the English major.

Prerequisite(s): consent of the instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

ENGL 436 - Studies in Postcolonial Literature

Unit(s): 4 Study of contemporary Anglophone and translated literary works with emphasis on transnational contexts and encounters between the First and Third Worlds.

Typically Offered Spring Only **May Be Repeated** May be repeated once for credit.

Grading: OPT

ENGL 439 - Studies in Shakespeare

Unit(s): 4 An advanced course in Shakespeare that focuses on the plays in the sub-genres through the context of history, sources, criticism, and theatrical reception. Fulfills Shakespeare requirement for English majors.

Typically Offered Spring Only

Grading: OPT

ENGL 447 - Studies in Comparative Literature

Unit(s): 3-4 The study of literary themes and movements. Includes the various literatures that relate to a particular topic, such as decadence and symbolism, and modern European literature. Please see Schedule of Classes for current offering.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit. Normally offered through Special Sessions in Extended Education.

Grading: OPT

ENGL 448 - Periods in British Literature

Unit(s): 4 Study of British authors in their historical periods, including Middle English, Renaissance, 17th century, Restoration and 18th century, Romantic, Victorian, and 20th century. Please see Schedule of Classes for current offering.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit under different subtitles.

Grading: OPT

ENGL 450 - Periods in American Literature

Unit(s): 4 Selections from the 17th through the 20th century, inclusive of contemporary American literature, will comprise the Period offerings. Please see Schedule of Classes for current offering.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

ENGL 451 - Feminist Perspectives in Literature

Unit(s): 4 Feminist Perspectives is an advanced course in reading, writing, and research that will engage feminist perspectives in literature. This course is interdisciplinary in approach and is conducted in a seminar format.

Crosslisted: WGS 451

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit. Course is

Grading: OPT

ENGL 460 - Teaching Assistant in English

Unit(s): 1-4 Provides students experience in assisting an instructor in an English course by doing course-related research and tutoring.

Prerequisite(s): consent of the instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit. No more than eight units of ENGL 460 may be counted toward the English major.

Grading: OPT

ENGL 462 - Research Assistant in English

Unit(s): 1-4 Provides selected students the opportunity to participate in the construction and execution of a faculty research project.

Prerequisite(s): faculty invitation.

Typically Offered Fall & Spring

Grading: OPT

ENGL 472 - Studies in the Novel

Unit(s): 4 In-depth studies of a particular kind of novel: English, 20th century American, political (offered jointly

with the department of political science), war novel, etc. Please see Schedule of Classes for current offering.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with a different topic.

Grading: OPT

ENGL 474 - Studies in Drama

Unit(s): 4 Study of representative plays of a particular period: Medieval, Renaissance, Neoclassic, 19th century, or Modern. Please see Schedule of Classes for current offering.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit with a different topic.

Grading: OPT

ENGL 475 - Master Class in Nonfiction

Unit(s): 4 An advanced workshop in creative nonfiction, focused on the writing of publishable essays and the art of the book proposal.

Prerequisite(s): ENGL 375, ENGL 352, ENGL 430 (Creative Nonfiction), or consent of instructor.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated once for credit.

Grading: OPT

ENGL 480 - Studies in California Literature

Unit(s): 4 Study of a topic unique to California literature (e.g. Beats, LA/SF detective fiction, California immigrant and autobiographical literature). Emphasis on the historical, cultural, and regional character of the selected writings. Please see Schedule of Classes for the topic studied. Fulfills the core requirement of the California Cultural Studies special major.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated once for credit.

Grading: GRD

ENGL 481 - Studies in British Literature

Unit(s): 4 Studies of topics in British as well as related literatures including colonial, postcolonial, and Anglophone literatures. Please see Schedule of Classes for current offering.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit under different subtitles.

Grading: OPT

ENGL 482 - Studies in American Literature

Unit(s): 4 Close study of topics unique to American literature (e.g., transcendentalism, Western American literature). Please see Schedule of Classes for current offering.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under different topic.

Grading: OPT

ENGL 483 - Individual Authors: American

Unit(s): 4 One or more authors will be selected for study in depth. Please see Schedule of Classes for the author(s) to be studied.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit under different topics.

Grading: OPT

ENGL 484 - Individual Authors: English

Unit(s): 4 Each semester one or more authors will be selected for study in depth. Please see Schedule of Classes for the authors to be studied.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under different topics.

Grading: OPT

ENGL 485 - Senior Seminar

Unit(s): 4 Seminar in advanced study of literature. Provides students close mentoring in research and presentation methods in the instructor's area of scholarly expertise. Reserved for lit concentration students, for whom it serves as a culminating capstone for those students.

Prerequisite(s): ENGL 101 or ENGL 100B, ENGL 201 and ENGL 385. Recommended: At least one 400-level literature class.

Typically Offered Fall & Spring

Grading: GRD

ENGL 487 - Studies in Rhetoric

Unit(s): 4 Specialized study of topics in rhetoric (including the history of rhetoric from classical to modern and post-modern rhetoricians), specific problems in rhetoric, and nontraditional rhetorical strategies. Content varies from semester to semester.

Typically Offered Fall Only

Grading: OPT

ENGL 489 - Topics in Linguistics

Unit(s): 4 Individual and small-group study in specialized topics in the field of linguistics or literacy studies. Can be used to meet the Single Subject elective requirement. Offered every two years.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 491 - Seminar in Teaching Composition

Unit(s): 4 This course will focus on composition theory, course design, instructional methods, and assessment in the teaching of writing in multicultural settings. Students will also write extensively to improve their own writing. A school-based practicum is a required component of this course.

Typically Offered Fall Only

Grading: OPT

ENGL 492 - Reading and Responding to Literature

Unit(s): 4 This course will focus on the links between literacy studies and the teaching of literature, with an emphasis on understanding current approaches to supporting adolescent reading in multicultural classrooms. The course explores books, both modern and traditional, that are of particular interest to adolescent and young adult readers. Through extensive reading and writing, students will build an understanding of how to develop effective English Language Arts curriculum at the secondary level.

Typically Offered Spring Only

Grading: OPT

ENGL 494 - Advanced Survey

Unit(s): 4 This course offers academic support for the review of English and American literature that Master's candidates undertake in preparation for the graduate qualifying exam. Offered

Typically Offered Fall & Spring

Grading: CNC

ENGL 495 - Special Studies

Unit(s): 1-4 To register for ENGL 495, not only must the student have the consent of the instructor, but the material and course of study should satisfy student needs not covered by regularly offered courses. In addition, the amount and level of work proposed should be at the appropriate academic level.

Prerequisite(s): consent of instructor and department chair.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

ENGL 496 - English Education Capstone Seminar

Unit(s): 4 This course engages senior-level English education majors in discussion and activities which review, synthesize, and assess the breadth and depth of their subject matter competence.

Typically Offered Spring Only

Grading: GRD

ENGL 499 - Internship

Unit(s): 1-4 For upper-division majors who wish to work off-campus in job-learning situations that relate to their major emphasis. Excludes student teaching. Written contract and faculty sponsorship required.

Typically Offered Fall & Spring

Grading: CNC

ENGL 500 - Research and Critical Writing

Unit(s): 4 Required for M.A. candidates in English. Advanced use of reference materials and library resources, and the techniques of critical and scholarly writing. The course should be taken during the first semester of classified status.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be repeated for up to eight units.

Grading: OPT

ENGL 501 - Literary Theory and Criticism

Unit(s): 4 Advanced study of the major texts in critical theory from Plato and Aristotle to the theoretical pluralism of the present. This course should be taken in the second semester of classified status.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 530 - Graduate Workshop in Creative Writing

Unit(s): 4 An advanced workshop in creative writing with in-depth discussions of individual work. Please see Schedule of Classes for current offering.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated up to 8 units.

Grading: GRD

ENGL 535 - Directed Writing

Unit(s): 2-6 Individualized instruction in the development of an extended creative writing project. The M.A. completion option in creative writing is fulfilled through taking a total of 6 units of 535 to successfully produce the final creative project. This project must be approved by the creative project chair and second reader. Students in other M.A. emphases may count no more than 4 units of 535 toward the degree; creative writing students may count no more than 4 units in addition to the 6 creative project units of 535 toward the degree.

Prerequisite(s): ENGL 500, classified status, and an authorized Advancement to Candidacy (GS01) form and consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

ENGL 536 - World/Postcolonial Literature

Unit(s): 4 Studies related to different aspects of world and/or postcolonial literature. Emphasis on historical and social contexts and contemporary theoretical models. Course content varies from semester to semester.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Fall Only **May Be Repeated** Course may be taken more than once for credit under different subtitles.

Grading: OPT

ENGL 539 - Seminar: Shakespeare

Unit(s): 4 Critical reading and in-depth analysis of representative modes such as tragedy and comedy in Shakespeare.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

ENGL 578 - Project Continuation

Unit(s): 1-4 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. Once students have begun final project units, they must remain continuously enrolled; these units allow them to do this and provide services such as access to the library during this time. These units may also be taken through Extension. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

ENGL 581 - Seminar: British Literature

Unit(s): 4 A topic of English literature will be selected for study in depth. In addition to the literature of Britain, the topic may cover related colonial and postcolonial literatures. Please see Schedule of Classes for current offering.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit under different subtitles.

Grading: OPT

ENGL 582 - Seminar: American Literature

Unit(s): 4 A topic of American Literature will be selected for study in depth. In addition to the literature of America, the topic may cover colonial, postcolonial, and/or Anglophone literatures of the Americas. Please see Schedule of Classes for current offering.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit under different

subtitles.

Grading: OPT

ENGL 583 - Individual Authors: American

Unit(s): 4 In-depth study of an individual author and related criticism. Please see Schedule of Classes for current offering.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under different subtitles.

Grading: OPT

ENGL 584 - Individual Authors: British

Unit(s): 4 In-depth study of an individual author and related criticism. Please see Schedule of Classes for current offering.

Prerequisite(s): graduate status or consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under different subtitles.

Grading: OPT

ENGL 587 - Seminar: Rhetorical Theory

Unit(s): 4 Study of topics in recent rhetorical theory specifically as it applies to the teaching of writing at the college level. Course content varies from semester to semester.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** Course may be repeated for credit under different subtitles.

Grading: OPT

ENGL 588 - Seminar: Study of Language

Unit(s): 4 Study of current theories in linguistics and literacy studies and their applications to English, with emphasis on original research and analysis in the study of oral and/ or written language.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** Course may be repeated for credit under different subtitles.

Grading: OPT

ENGL 595 - Special Studies

Unit(s): 1-4 Individualized study on a student-designed topic. The material and course of study should only cover topics not available in currently offered courses. Students must complete the standard SSU form and secure the required written approvals.

Prerequisite(s): consent of instructor and department chair.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit toward the M.A.

Grading: OPT

ENGL 597 - Directed Reading

Unit(s): 3 Focused reading on a relatively narrow topic validated by a written and an oral examination. To be taken by students choosing the directed reading option to complete the M.A. Topic to be approved by the directed reading chair and second reader.

Prerequisite(s): ENGL 500, classified status, and an authorized Advancement to Candidacy (GS01) form.

Typically Offered Variable Intermittently

Grading: CNC

ENGL 599 - Thesis and Accompanying Directed Reading

Unit(s): 3-6 To be taken by students writing a traditional thesis, an extended research topic approved and guided by the thesis chair and second reader.

Prerequisite(s): ENGL 500, classified status, and an authorized Advancement to Candidacy (GS01) form.

Typically Offered Fall & Spring

Grading: OPT

Engineering Science

ES 101 - Disruptive Technologies That Change the World

Unit(s): 3 Lecture: 3 hours. Concept of digital age, technology and modern communications, understanding various routinely used technical terms and commonly known computer and communications components and devices; understanding digital voice, video and data communication, mobile communication and communication through Internet; ill effects such as radiation, invasion of privacy, unethical usages and

protection from them; assessment of learning. The course does not apply to EE major.

GE Category: This course meets GE Area B3 requirement.

Typically Offered Fall & Spring

Grading: OPT

ES 102 - Introduction to Engineering Technology Laboratory

Unit(s): 1 Laboratory, 2 hours and 40 minutes. Laboratory to demonstrate the concepts in electricity and electronics by hands-on experimentations. The course does not apply to EE major. This course meets the GE science laboratory requirement. ES 102 is encouraged (but not required) to be taken with ES 101.

Typically Offered Fall & Spring

Grading: OPT

ES 104 - Oral Communications in the Information Age

Unit(s): 3 Lecture, 3 hours. This course explores the importance of oral communication in the modern digital world where we can communicate with anyone, anywhere, anytime. It focuses on enhancing students' ability to orally present technical information and arguments to a wide diverse group of technical and non-technical stakeholders within the context of real-world problem-solving and practical design process. The course also teaches students to listen effectively and critically evaluate oral problem-solving presentations within the realms of humanity and environmental sustainability. No pre-requisites or co-requisites required.

GE Category: Fulfills GE Area A1 (Written & Oral Analysis).

Typically Offered Fall & Spring

Grading: GRD

ES 210 - Digital Circuits and Logic Design

Unit(s): 4 Students learn how to analyze and evaluate scientific, inductive and deductive reasoning, through digital logic and its application to logic gates and digital electronic circuits. Laboratory work includes designing, building and testing of digital circuits and designs. Project assignments require students present their own design and the final product in public, making persuasive presentations with efficient verbal and non-verbal skills, and listening to peer's critiques for improvement.

Prerequisite(s): Prerequisite: EE 112 with a C or better.

Co-requisite(s): ES 230, or consent of instructor.

GE Category: This course fulfills GE Area A3 (Critical Thinking).

Typically Offered Spring Only

Grading: GRD

ES 345E - Engineering Applications of Probability Theory

Unit(s): 1 **Lecture:** 1 hour This is a one-unit course introducing how to apply probability theory to model engineering problems, particularly in communications and networking areas. Topics covered include application of probability to measure of information and redundancy, moments to measure power, correlation to determine correlation function, power spectrum and linear prediction, and estimation of statistical parameters.

Co-requisite(s): math 345E or consent of instructor.

Typically Offered Fall Only

Film Studies

FILM 500 - Introduction to Film and Media Theory

Unit(s): 4 An overview of key concepts and theorists in the study of film and media. Advanced use of reference materials and library resources, as well as the techniques of critical and scholarly writing. The course should be taken during the first semester of matriculation.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall Only

Grading: GRD

FILM 501 - Film and Narrative

Unit(s): 4 Intensive study of filmmaking practices of Hollywood, independent and foreign cinemas and their varying uses of narrative to address social issues. Course content varies from semester to semester.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall Only

Grading: GRD

FILM 502 - Documentary Film and Social Advocacy

Unit(s): 4 Intensive study of a wide range of documentary filmmaking practices and the different approaches taken towards a broad range of social issues. Course content varies from semester to semester.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall & Spring

Grading: GRD

FILM 503 - Film and Cultural Studies

Unit(s): 4 Intensive study of a particular theme and its interrelationships with film and media. Emphasis on specific historical and social contexts and ensuing representations in both popular and alternative forms of media. Course content varies from semester to semester.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall & Spring **May Be Repeated**

Courses may be taken more than once for credit under different themes.

Grading: GRD

FILM 510 - Digital Storytelling I

Unit(s): 4 An introductory workshop explaining new media tools used by mediamakers to create content. The course also examines new delivery platforms and release strategies in a post-TV era as well as new methods of advocacy provided by these contemporary tools and platforms.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall & Spring

Grading: GRD

FILM 515 - Digital Storytelling II

Unit(s): 4 An advanced workshop in how to use new media tools to make short films focused on social issues. Provides students with tools to create and distribute socially engaged films via new delivery platforms.

Prerequisite(s): completion of FILM 510.

Typically Offered Fall & Spring

Grading: GRD

FILM 535 - Directed Film or Creative Project

Unit(s): 6 This completion course comprises individualized instruction in the development of an extended creative film/video project for the Film MA. This project must be approved by the creative project chair and second reader.

Prerequisite(s): FILM 500, classified status, and an authorized advancement to candidacy form.

Typically Offered Spring Only

Grading: GRD

FILM 578 - Project Continuation

Unit(s): 1-3 Directed study designed for students working on their thesis or master's project who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator.

Typically Offered Fall & Spring

Grading: CNC

FILM 595 - Special Studies

Unit(s): 1-4 Directed, individual study on a particular topic. May require completion of an upper-division undergraduate course in film or related discipline relevant to the student's program of study and will include additional readings, assignments, or projects as determined by the instructor.

Prerequisite(s): Course restricted to FILM MA students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit when topics vary.

Grading: GRD

FILM 599 - Thesis and Accompanying Directed Reading

Unit(s): 6 This course is to be taken by students writing a traditional thesis for the Film MA, in which they will develop an extended research topic approved and guided by the thesis chair and second reader.

Prerequisite(s): FILM 500, classified status, and an authorized advancement to candidacy form.

Typically Offered Spring Only

Grading: GRD

French

FR 101 - First-Semester French

Unit(s): 4 Assumes no prior experience in French. Moves from simple, everyday greetings to basic vocabulary and phrases describing people, places, clothing, food, travel, studies, sports, and professions. Competency-based testing of listening, speaking, reading, writing, and cultural skills.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

FR 102 - Second-Semester French

Unit(s): 4 Students progress through increasingly complex sentence structures. Competency-based testing of listening, speaking, reading, writing, and cultural skills. Grammatical content includes past tenses, future, conditional, subjunctive, object pronouns, etc.

Prerequisite(s): FR 101 or by examination.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

FR 201 - Third-Semester French

Unit(s): 4 A thorough and detailed review of all French grammar, augmented by more sophisticated elements of syntax, presented within the context of French cinema and francophone cultural materials.

Prerequisite(s): FR 102 or by examination.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only

Grading: OPT

FR 202 - Oral French

Unit(s): 4 Required of majors. Extensive use of oral group activities and discussion of global issues and events based on reading of up-to-date articles (online). Practical work in listening comprehension, phonetics, pronunciation and intonation. Speaking and listening competence at intermediate level.

Prerequisite(s): FR 201 or by examination.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only

Grading: OPT

FR 300 - Introduction to Literary Analysis and Critical Writing

Unit(s): 4 Study of advanced aspects of French grammar and stylistics with a focus on introducing students to literary analysis, including poetry, theater, and narrative prose. Oral and written presentations.

Prerequisite(s): FR 201 or equivalent, and FR 202.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only **May Be Repeated** May be repeated for credit when course content is different. May be repeated for credit.

Grading: OPT

FR 314 - French Literature in English Translation

Unit(s): 4 Studies in French-speaking Caribbean, African, Near Eastern, Asian, and/or North American literatures in English translation. Topics may include non-Western cultural and religious values, colonialism versus emerging nationalisms, and the quest for identity, personal, cultural, and national. May qualify as a Writing Intensive Course (WIC).

Prerequisite(s): completion of GE Area A2.

GE Category: Satisfies GE Area C2 (Literature, Philosophies and Values).

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: OPT

FR 320 - France Yesterday

Unit(s): 4 French civilization -- history, social and political institutions, and the arts -- as revealed in written documents and visual media (architecture, painting, graphics, etc.), from the medieval period to the Revolution. Readings, discussion, and oral and written reports in French.

Prerequisite(s): FR 300 or equivalent (may be taken concurrently).

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only

Grading: OPT

FR 321 - France Today

Unit(s): 4 French civilization -- history, social and political institutions, and the arts -- as revealed in written documents and visual media (architecture, painting, graphics, etc.), from the Revolution to the present. Readings, discussion, and oral and written reports in French.

Prerequisite(s): FR 300 (may be taken concurrently).

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Alternate Years

Grading: OPT

FR 410 - French Literature

Unit(s): 4 Readings in theatre, prose, and poetry representing major writers and movements from the Middle Ages, the Renaissance, Classical, and the pre-Romantic periods. May be organized around themes or genres or by aesthetic movements. Readings, discussion, and oral and written reports in French.

Prerequisite(s): FR 320.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Alternate Years

Grading: OPT

FR 411 - French Literature

Unit(s): 4 Readings in theatre, prose, and poetry representing major writers and movements from the 19th and 20th centuries. May be organized around themes or genres or by aesthetic movements. Readings, discussion, and oral and written reports in French.

Prerequisite(s): FR 321.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only

Grading: OPT

FR 415 - Special Topics in French Culture

Unit(s): 4 Topics vary according to current interests and issues, e.g. the Francophone world, Paris, the French film, French feminism, French impressionism, Theatre and society, etc. Readings, discussions, and oral and written reports.

Prerequisite(s): FR 320 or FR 321 (may be taken concurrently).

GE Category: Satisfies GE Area C3 (Comparative

Perspectives and Foreign Languages).

Typically Offered Spring Alternate Years **May Be Repeated** May be repeated for credit when topics change.

Grading: OPT

FR 475 - Senior Seminar

Unit(s): 4 An advanced writing course, culminating in a research paper on a literary topic, or a substantial piece of creative writing. This course may only be taken at SSU. It may not be taken abroad or at another U.S. university.

Prerequisite(s): FR 321 or FR 411 (may be taken concurrently).

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Alternate Years

Grading: OPT

FR 495 - Special Studies

Unit(s): 1-4 Directed individual study.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.

Grading: OPT

FR 499 - Internship

Unit(s): 1-4 Students in the internship program apply skills and methods mastered in their course work in French in a variety of situations in public and private agencies. Credit is awarded for completion of 3 hours of work (weekly average) per unit, participation in a seminar or conferences, and a final report. Placement must be arranged in advance with department coordinator.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.

Grading: OPT

Geology

GEOL 102 - Our Dynamic Earth: Introduction to Geology

Unit(s): 3 **Lecture:** 2 hours **Laboratory:** 3 hours A study of the minerals, rocks, and landforms that make up our earth in the context of the dynamic forces that form them. Emphasis on local geology, including earthquakes and

other environmental aspects. Laboratory study of minerals, rocks, and maps. Required one-day weekend field trip. Fee required.

GE Category: Satisfies GE Area B1 (Physical Sciences) and GE laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

GEOL 105 - The Age of Dinosaurs

Unit(s): 3 Lecture: 3 hours The life and death of dinosaurs as evidenced by the fossil record will be studied to show how geology and biology combine in the discipline of paleontology. The evolution of dinosaurs over a 150-million-year time span sets the stage to investigate several interesting and ongoing controversies surrounding dinosaurs, including: why dinosaurs became extinct, the metabolism of dinosaurs, and the relationship between birds and dinosaurs.

GE Category: Satisfies GE Area B1 (Physical Sciences).

Typically Offered Fall & Spring

Grading: OPT

GEOL 107 - Introduction to Earth Science

Unit(s): 3 This course studies the operation of the Earth system and its solar system home. It introduces the fundamental aspects of 4 major areas: astronomy; geology, including plate tectonics, and the planetary history of the Earth and its moon; physical oceanography; and weather and climate. There is no lab. The course is designed to prepare students for the earth science and astronomy parts of the SET examination.

Prerequisite(s): The student must be enrolled in the AMCS, LIBS, CALS, or ENSP credential program.

Typically Offered Fall Only

Grading: OPT

GEOL 110 - Natural Disasters

Unit(s): 3 A course to examine the interaction between natural processes and human activities and the often costly and fatal results. Course emphasis will be on the principles underlying natural disasters such as earthquakes, volcanic eruptions, landslides, floods, severe weather, coastal processes, asteroid impacts, fires, and population growth. Many examples will be drawn from the northern California area. Course content may vary with instructor.

GE Category: Satisfies GE Area B3 (Physical Sciences, Specific Emphasis).

Typically Offered Fall & Spring

Grading: OPT

GEOL 120 - Regional Field Geology

Unit(s): 3 Lecture: 1 hour The heart of geology is in the field. The course is an examination of rocks, minerals, and landforms, and the processes that form them. This course includes a 10-day field trip taken during spring break, or multiple weekend field trips in the fall semester, where the natural world becomes our classroom.

Prerequisite(s): Any 100-level Geology course or instructor consent; students must be in good physical condition. **Co-requisite(s):** Any 100-level Geology course or instructor consent; students must be in good physical condition.

GE Category: Satisfies GE Area B3 (Specific Emphasis).

Typically Offered Variable Intermittently

Grading: OPT

GEOL 205 - Mineralogy

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours Principles of crystal chemistry, crystallography, and properties and origins of common rock-forming minerals. Laboratory sessions emphasize hand specimen and petrographic mineral identification characterization.

Prerequisite(s): Completion of or concurrent enrollment in GEOL 303 and CHEM 115A.

Typically Offered Spring Only

Grading: GRD

GEOL 205A - Mineralogy, Optics

Unit(s): 2 Supplementary course to be held concurrently with GEOL 205. For students who already have taken a mineralogy course but have not gained sufficient experience in optical mineralogy. Consists of the lecture and laboratory portion of GEOL 205 relevant to optical mineralogy.

Prerequisite(s): GEOL 303 and CHEM 115A. **Co-requisite(s):** GEOL 303 and CHEM 115A.

Typically Offered Spring Only

Grading: GRD

GEOL 301 - Natural History of the Hawaiian Islands

Unit(s): 3 Lecture: 3 hours The origin and evolution of the flora and fauna of the most isolated archipelago in the world: geologic history and context of volcanic oceanic islands; conservation biology efforts to save the rare and endangered species of Hawaii; human history and culture of the islands.

GE Category: Upper Division B

Typically Offered Fall & Spring **May Be Repeated** No

GEOL 302 - Climate Change: Discerning Fact from Fiction

Unit(s): 3 Lecture: 3 hours Climate changes on time scales of days to millions of years. We will review methods by which the amplitude and pacing of climate changes are measured, use data analysis to assess the significance of past climate variability, and consider interpretations and theories proposed to explain Earth's climate.

Typically Offered Variable Intermittently

Grading: GRD

GEOL 303 - Advanced Principles of Geology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours A study of the minerals, rocks, and landforms that make up our earth in the context of the dynamic forces that form them. Emphasis on local geology, including earthquakes and other environmental aspects. Laboratory subjects include the study and interpretation of minerals, rocks, and maps.

Prerequisite(s): Completion of GE Golden Four (A1, A2, A3, B4) with a C- or better and completion of B1, B2 and at least 45 units. Completion of one: SCI120, GEOL102, GEOL105, GEOL110, GEOL107, GEOL120, GEP2201, GEP352, ANTH202, or equivalent of these.

GE Category: Upper Division B

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Face-to-Face **Grading:** Graded

GEOL 304 - Geologic Mapping and Report Writing

Unit(s): 1 Field studies and report preparation done in conjunction with GEOL 303. Required weekend field trips.

Co-requisite(s): GEOL 303. Students must be in good physical condition.

Typically Offered Fall & Spring

Grading: GRD

GEOL 306 - Environmental Geology

Unit(s): 3 Lecture: 3 hours Study of geological principles and processes as they relate to our natural environment emphasizing interaction between human activities and the geological environment. Major topics include the nature and behavior of rocks and soils; earthquakes and their associated hazards; landslides, slope stability, and building construction; groundwater and pollution; stream processes and flooding; shoreline processes and coastal development; engineering geology and construction of highways and dams; and development of natural resources and conservation and ecology. Specific content varies year to year, depending on instructor.

Prerequisite(s): GEOL 102 or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

GEOL 307 - Igneous and Metamorphic Petrology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours A study of the origin, properties, classification, and occurrence of igneous and metamorphic rocks. Laboratory exercises in the classification and description of minerals, textures, and structures of the more common rock types. Laboratory work will emphasize both hand specimen analysis and microscopic petrography.

Prerequisite(s): GEOL 303.

Typically Offered Fall Only

Grading: GRD

GEOL 308 - Igneous and Metamorphic Petrology Field Course

Unit(s): 1 Field studies done in conjunction with GEOL 307. Required weekend field trips. Fee required.

Co-requisite(s): GEOL 307. Students must be in good physical condition.

Typically Offered Fall Only

Grading: GRD

GEOL 309 - Computer Applications in Geology

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours This course aims to provide our majors with some fundamental skills for manipulating and representing geological data using computer applications. Applications include using digitizing field maps and data into GIS format, creating figures in computer aided drawing programs, using basic functions computational software and generating histograms, and rose diagrams.

Prerequisite(s): GEOL 303 and GEOL 304. **Co-requisite(s):** GEOL 303 and GEOL 304.
Typically Offered Fall Only
Grading: GRD

GEOL 310 - Geophysics

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours This course will cover the basic principles underlying various geophysical methods, field procedures, and data collection, and how to interpret geophysical data. Topics include seismic reflection and refraction, paleomagnetism, gravity and magnetic surveying, and how geophysical methods have augmented our overall understanding of the Earth's structure and Earth processes.

Prerequisite(s): GEOL 303.
Typically Offered Spring Only
Grading: GRD

GEOL 311 - Sedimentary Geology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours The description, classification, and origin of sedimentary rocks. Discussion of weathering and origin of sediment, sediment transportation and sedimentary structures, clastic and nonclastic classification; and petrology.

Prerequisite(s): GEOL 303 and GEOL 304.
Typically Offered Spring Only
Grading: GRD

GEOL 312 - Sedimentary Geology Field Course

Unit(s): 1 **Lecture:** 1 hour Field studies done in conjunction with GEOL 311. The course includes a particular focus on local sedimentary geology and issues of environmental importance. Required weekend field trips.

Prerequisite(s): GEOL 303. Students must be in good physical condition. **Co-requisite(s):** GEOL 311.
Typically Offered Spring Only
Grading: GRD

GEOL 313 - Paleontology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours The study of fossils in their geological context. Topics include taxonomy, morphology, evolution, biogeography, extinction, and biostratigraphy of the main groups of invertebrate fossils. Laboratory work will include becoming familiar with stratigraphically important fossil groups and the use of fossils in solving both geological and biological

problems.

Prerequisite(s): GEOL 303 for majors, GEOL 102 for non-majors, or instructor consent.
Typically Offered Fall Only
Grading: GRD

GEOL 314 - Paleontology Field Course

Unit(s): 1 **Lecture:** 1 hour Field studies done in conjunction with GEOL 313. Required weekend field trips.

Prerequisite(s): GEOL 313.
Typically Offered Fall Only
Grading: GRD

GEOL 317 - Structural Geology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours An introduction to deformation processes within the Earth's crust and the geological structures that result from these processes. We will examine deformation running the gamut of scales (from atomic scale to tectonic scale)

Prerequisite(s): GEOL 303, GEOL 304.
Typically Offered Fall Only
Grading: GRD

GEOL 318 - Structural Geology Field

Unit(s): 1 **Lecture:** 1 hour Field studies done in conjunction with GEOL 317. Required weekend field trips.

Prerequisite(s): GEOL 317. Students must be in good physical condition. **Co-requisite(s):** GEOL 317.
Typically Offered Fall Only
Grading: GRD

GEOL 320 - Basin Analysis

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours Origin and evolution of sedimentary basins; tectonic settings and significance; subsidence and thermal histories; basin-scale depositional systems; paleocurrent, provenance, and paleogeographic analysis; basin types; paleoclimatic influences; resources.

Typically Offered Variable Intermittently
Grading: GRD

GEOL 321 - Burgess Shale Paleontology

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours
Advanced examination of the Cambrian Burgess Shale fossil deposits in British Columbia, Canada. Field work supplements lecture sessions on campus.

Typically Offered Fall Only
Grading: GRD

GEOL 323 - Hydrology

Unit(s): 3 Lecture: 3 hours **Laboratory:** 3 hours Water as a natural resource, the hydrologic cycle, distribution of water on the Earth. Atmospheric water, soil water, runoff, and groundwater as related to water supply and use. Applications to problems of flood control, water management, and water pollution, with special emphasis on California and Sonoma County.

Prerequisite(s): GEOL 102 or consent of instructor.
Typically Offered Spring Only
Grading: GRD

GEOL 326 - Stratigraphy and Earth History

Unit(s): 4 Lecture: 3 hours **Laboratory:** 3 hours The principles of stratigraphy and historical geology will be discussed, with special emphasis given to the application of these principles to the geologic development of North America. The geologic history of California will be treated in detail. The use of sedimentary rocks, fossils, and structural and tectonic principles will be discussed, especially as they relate to our understanding of historical geology. Laboratory work will include a study of sedimentary rocks and their properties, fossils and their occurrence and distribution, the construction and interpretation of various types of stratigraphic maps, and detailed studies of selected maps representative of the various geologic provinces of North America. Required field trip.

Prerequisite(s): GEOL 303 or consent of instructor.
Typically Offered Variable Intermittently
Grading: GRD

GEOL 390 - Geology Colloquium

Unit(s): 1.00 Presentation and discussion of current topics in geology by visiting lecturers, staff, and students. Students will prepare written summaries of the approximately bi-weekly presentations. During the non-presentation weeks, students will meet to discuss papers associated with upcoming speakers. May be repeated for credit; a maximum of 2 units can be applied to a Geology

major or minor.

Typically Offered Fall & Spring
Grading: CNC

GEOL 395 - Community Involvement Program

Unit(s): 1-4 CIP involves students in community problems such as tutoring, aiding in school science classes, and advisement of county agencies. A total of 6 units of CIP credit may be applied toward a degree. May be taken by petition only.

Typically Offered Fall & Spring
Grading: CNC

GEOL 396 - Internship in Geology

Unit(s): 1-4 Professional geologic work for a geologic firm or agency. Forty-five hours of work per unit.

Prerequisite(s): GEOL 303 and consent of instructor.
Typically Offered Fall & Spring
Grading: CNC

GEOL 406 - X-ray Mineralogy

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours
Introduction to the use of x-ray diffraction techniques.

Prerequisite(s): CHEM 115A and GEOL 205 or concurrent enrollment, and consent of instructor.
Typically Offered Not Recently Offered
Grading: GRD

GEOL 420 - Integrative Field Experience

Unit(s): 4 Lecture: 2 hours This course is a synthesis of the Geology major core courses. This course aims to hone our students' abilities to make valid geologic field interpretations through detailed field mapping and report writing. Twelve days of fieldwork are required.

Prerequisite(s): GEOL 308, GEOL 309, GEOL 312, and GEOL 318. Students must be in good physical condition.
Typically Offered Spring Only
Grading: GRD

GEOL 422 - Geochemistry

Unit(s): 3 Lecture: 3 hours Introductory cosmochemistry and origin of the elements; meteorites; the Earth as a

chemical system, chemistry of processes at the surface of the Earth; mineral crystal chemistry; introduction to geochronology and stable isotope variations in nature; thermodynamics and its geological application; geochemical prospecting.

Prerequisite(s): GEOL 303, CHEM 115A CHEM 115B/116AB, MATH 161, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

GEOL 425 - Economic Geology

Unit(s): 3 **Lecture:** 3 hours Classification, origin, and alteration of metallic ore deposits. Laboratory sessions on hand sample identification of ore and alteration minerals and petrographic analysis of selected ore suites.

Prerequisite(s): GEOL 307 and CHEM 115B/116B. **Co-requisite(s):** GEOL 307 and CHEM 115B/116B.

Typically Offered Not Recently Offered

Grading: GRD

GEOL 426A - Senior Thesis I

Unit(s): 3 426A is the first semester of a senior thesis project. A senior thesis is an opportunity for students to engage in primary research. Students must write a proposal, defining the scope of their project. Thesis projects must be a two-semester project. Students will be required to present their projects at the Geology Colloquium.

Prerequisite(s): thesis advisor consent.

Typically Offered Fall & Spring

Grading: GRD

GEOL 426B - Senior Thesis II

Unit(s): 3 426B is the second semester of a senior thesis project. A senior thesis is an opportunity for students to engage in primary research. Students must write a proposal, defining the scope of their project. Thesis projects must be a two-semester project. Students will be required to present their projects at the Geology Colloquium.

Prerequisite(s): thesis-advisor consent and GEOL 426A.

Typically Offered Fall & Spring

Grading: GRD

GEOL 427 - Advanced Field Geology

Unit(s): 4 A minimum of five weeks of detailed mapping in igneous, metamorphic and sedimentary rocks, and the preparation of field reports and geological maps. Students may also complete this course at another university, but should do so only in consultation with the Geology Department. Students must demonstrate equivalence in terms of field hours and course content to GEOL 427.

Prerequisite(s): senior-level standing in Geology. GEOL 420 strongly recommended.

Typically Offered Spring Only

Grading: GRD

GEOL 495 - Special Studies

Unit(s): 1-4 Individual study, under guidance of an advisor, of an advanced field, laboratory, or literature problem. The student must have demonstrated ability to work independently and do quality work. The student must have a faculty sponsor who is willing to advise the project and will set up a schedule of meetings for this purpose.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

GEOL 496 - Selected Topics in Geology

Unit(s): 1-3 An intensive study of an advanced topic in geology. Additional fee may be required.

Prerequisite(s): Adequate preparation for topic under consideration.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for additional credit with new subject matter.

Grading: OPT

GEOL 498 - Geology Practicum

Unit(s): 1-4 Application of previously studied theory through supervised instructional work experience in geology, generally as a teaching assistant in geology laboratory classes. Intended for professional growth.

Prerequisite(s): upper-division standing in Geology and consent of instructor. Student needs to have passed the course that he/she will be a teaching assistant in with a grade of B or better. To be a teaching assistant in GEOL 102 laboratory student needs to have received a grade of B or better in GEOL 303.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for up to a total of 4 units.

Grading: CNC

Geography, Environment, and Planning

GEP 200 - Global Environmental Issues

Unit(s): 3 **Lecture:** 3 hours **Discussion:** 3 hours An introduction to environmental studies and planning, including: humans in relation to the global ecosystem; an overview of problems of energy use, pollution, resource depletion, population growth, food supply, urbanization, climate change, and biodiversity; and the search for solutions and future prospects.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring

Grading: OPT

GEP 201 - Global Environmental Systems

Unit(s): 3 This course presents a broad survey of how the earth works. It focuses on the processes within, and the relationships between, the four global sub-systems: the atmosphere, biosphere, hydrosphere, and lithosphere. The course examines how physical, chemical, and biological functions create local, regional, and global climate and landscape patterns. It also explores the links between human activities and changes in climate, vegetation patterns, and landform processes. The course includes weekly two-hour lab sessions in which students participate in field-based data collection exercises and conduct scientific analyses.

GE Category: Satisfies GE Area B1 (Physical Science).

Typically Offered Fall & Spring

Grading: OPT

GEP 202 - Quantitative Methods

Unit(s): 4 Lectures and workshop designed to enhance students' confidence in analytical problem solving. Essential techniques emphasizing environmental applications: translating knowledge into abstract and mathematical models, numerical estimates, basic geometry and trigonometry, dimensional analysis, unit conversions, interpreting statistical data, and graphic display of information. Conceptual introduction to calculus, differential equations, and complex numbers.

Prerequisite(s): Completion or concurrent enrollment in GE Area B4 (Math/Quantitative Reasoning).

Typically Offered Fall Only

Grading: GRD

GEP 203 - Human Geography

Unit(s): 3 The course introduces students to a spatial perspective of cultural, economic, political, demographic, and environmental processes. We review the deep historical origins of many social processes and examine how they continue to influence our contemporary experience. We also study how these processes change as they move across geographic space and encounter other cultures and places.

GE Category: Satisfies GE Area D2 (World History and Civilization).

Typically Offered Fall & Spring

Grading: OPT

GEP 205 - World Regional Geography

Unit(s): 3 This course explores 4-5 world regions from a holistic perspective, examining their economic, political, demographic, cultural, and environmental landscapes with considerable historic depth. The course also considers how each region fits within a larger global political and economic system, and how their roles have changed, particularly with globalization.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring

Grading: OPT

GEP 206 - Society, Environment, and Sustainable Development

Unit(s): 3 The course helps students understand the sustainability of several human-environment relationships, and each student's own role in perpetuating or changing those relationships. Following an introduction to Earth's environmental systems, the course critiques several modes of understanding specific environmental problems caused by development. Course concludes with extended study of one globally important human-environment-development nexus.

GE Category: Satisfies GE Area E (Lifelong Learning & Self-Development).

Typically Offered Fall & Spring

Grading: OPT

GEP 215 - GEP Forum

Unit(s): 1 Regular weekly departmental lecture series. Outside professional speakers and GEP alumni and faculty report on topics and opportunities relating to careers in Geography, Environment, and Planning.

Typically Offered Fall Only

Grading: CNC

GEP 305 - World Regions in Global Context

Unit(s): 4 Selected regions of the world form the basis of study. Economic development, political problems, man-land relationships, and global issues are covered. The course uses geographical methodologies and concepts and is interdisciplinary in its observations of world regions.

Prerequisite(s): Class open to Sophomores, Juniors, Seniors, and Graduate Students only

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring

Grading: OPT

GEP 310 - Professional Preparation

Unit(s): 1-2 This seminar covers topics essential for professional preparation in the fields of geography and environmental studies. Topics include discussions with guest speakers on career options in governmental, private, and non-profit settings; writing highly effective resumes, CVs, and cover letters; and techniques for successful interviewing. The course will also cover preparation for future training in professional and academic fields.

Prerequisite(s): GEP/ENSP/GEOG majors, juniors or seniors. **Crosslisted:** GLBL 310.

Typically Offered Spring Only

Grading: CNC

GEP 312 - Professional Conferences

Unit(s): 1-2 Students learn about professional research, presentation, and discourse, and attend research presentations at a professional conference. Conference and travel may include professionally led field trips. The course requires an additional fee.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit. Up to 2 units of GEP 312 in total may be counted towards the major.

Grading: CNC

GEP 313 - Field Experience

Unit(s): 1-2 Field experience is provided in a variety of topical areas. The course titles and contents will vary. A fee will be charged for this course. Up to 2 units of GEP 313 in total may be counted toward the major

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit. Please see the current Schedule of Classes for the particular topic offered.

Grading: CNC

GEP 314 - Field Experience Abroad

Unit(s): 2-3 Field Experience outside the United States (2-3). Cultural and physical studies of people and places through travel, observation and interaction, and oral and written analysis. Destinations include Central and south American countries. Course contents and locations will vary. Check with instructor regarding destination and cost. Offered during Intersession or Summer Session. Prerequisite: consent of the instructor.

Prerequisite(s): consent of the instructor.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit.

Grading: CNC

GEP 317 - Internship

Unit(s): 1-4 Students in the internship program will be given the opportunity to gain practical experience in their area of study by working in a variety of county and city agencies and organizations in the Sonoma State University service area. Credit is given for three hours per unit work per week as arranged with the internship coordinator. Must have junior- or senior-level standing and a minimum GPA of 2.75, or permission from the Department Chair.

Prerequisite(s): Class open to Juniors and Seniors only

Typically Offered Fall Only **May Be Repeated** May be repeated once for credit.

Grading: CNC

GEP 320 - Geopolitics

Unit(s): 4 In this course we dig deep into the field of geopolitics, the struggle for control over territory, transportation corridors, and natural resources. We analyze the origin of the discipline, its historical development, and key contemporary issues, including the Iraq War, the U.S. missile defense shield and the expansion

of NATO, the promotion of democracy as a security strategy, Iranian nuclear ambitions, and Chinese military expansion. We will also examine the upsurge of nationalism since the end of the Cold War, and examine ethno-national rebellion from multiple perspectives, including the failure of nation-building, the failure of economic development, and competition over scarce natural resources.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Spring Only

Grading: OPT

GEP 322 - Globalization and Environments

Unit(s): 4 This course critically analyzes the practices and ideas that underlie economic development and the resultant degradation of environments. The class attends to ways that specific people and places have either resisted environmental impoverishment, or alternatively worked together to create different, environmentally and socially sustainable paths to empowerment and well-being.

Typically Offered Variable Intermittently

Grading: OPT

GEP 323 - Resource Management & Development in Global Perspective

Unit(s): 4 This class explores the use and management of natural resources. Each year, it focuses on a different set of renewable and non-renewable resources, such as water, oil, diamonds, rangeland, and others. It addresses topics such as distribution, scarcity, substitution, access and use-rights, resource cartels, regulation, and sustainability. It also looks at how these issues are changing under globalization and the rise of transnational corporations.

Typically Offered Variable Intermittently

Grading: OPT

GEP 324 - Climate Change and Society

Unit(s): 4 This course briefly reviews climate change mechanisms and models. It then turns to its main topics: attempts and failures to mitigate greenhouse gas production, specific predicted challenges, and current and future attempts to adapt to the environmental and social impacts related to changing climates. The course compliments GEP 356.

Typically Offered Variable Intermittently

Grading: OPT

GEP 325 - Global Food Systems: Scarcity and Sustainability

Unit(s): 3-4 This course explores the development of agriculture from its origins to its modern forms. It discusses the historical development and current structure of five agricultural systems: small and large corporate farms in the development of the world, as well as traditional peasant production systems, plantations, and green revolution forms in the developing world. It then considers issues such as world hunger, food aid, global commodity trade, and the affect of biotechnology in both the developed and developing world.

Prerequisite(s): Class open to Sophomores, Juniors, Seniors, and Graduate Students only

Typically Offered Variable Intermittently

Grading: OPT

GEP 327 - Latin America and the Caribbean

Unit(s): 4 From an environmental history perspective, the class begins with an investigation of pre-Columbian and post-contact social ecologies. This leads to analysis of more contemporary processes such as rural modernization, the rapid growth of cities and migration, the role of identity and women, and the dynamics of free-trade globalization and international relations.

Typically Offered Variable Intermittently

Grading: OPT

GEP 328 - Africa South of the Sahara

Unit(s): 4 Students explore various historical and contemporary processes that have created Africa's diverse and complex geography. The course begins with a historical survey of the continent, starting with its great civilizations and continuing through its experiences through colonialism, independence, the cold war, and globalization. This section of the class examines how these major events have played out throughout the different regions of Africa, south of the Sahara. The class then turns directly to thematic issues that are central to a human-geographic perspective of the continent: population, rural/urban dynamics, education and health issues, and human-environment interactions including agricultural systems and conservation issues. Finally, with a deeper understanding of the region, the course addresses

present-day political hot spots of post-cold war Africa, and the critical development problems plaguing the continent.

Typically Offered Variable Intermittently
Grading: OPT

GEP 330 - Environmental History

Unit(s): 4 Environmental history offers an earth's-eye view of the past, by addressing the many ways in which humans have interacted with the natural environment over time. How has the environment shaped the course of human history, and how have human actions and attitudes shaped the environment? And how does studying past environments help us understand our present-day challenges? All too often, historians study the human past without considering nature; similarly, all too often, scientists study nature without considering human history. We will explore the value of integrating these different perspectives, and argue that a historical perspective is absolutely crucial if one hopes to understand contemporary environmental issues.

Prerequisite(s): Completion of GE Area A (Communication and Critical Thinking).

Typically Offered Fall Only
Grading: GRD

GEP 331 - Restoration and Society

Unit(s): 4 This capstone course focuses on the ideas and theories behind environmental restoration work and asks some critical questions about the field: where did the idea of restoration come from? What are the goals of environmental restorations, and how do you know if a project is meeting those goals? What do we mean by the terms "wilderness", "native", "diversity", and so forth? Do environmental mitigation projects really work? We will also look at several specific case studies through the semester.

Prerequisite(s): Seniors and Graduate students only, consent of instructor.

Typically Offered Spring Only
Grading: GRD

GEP 332 - Environmental Literature

Unit(s): 3 A survey of great American environmental books, including H. D. Thoreau's *Walden*, John Muir's *Mountains of California*, and works by other environmental authors. The course considers the natural, political, cultural, and historical environment of the

writers.

Prerequisite(s): Junior- or senior-level standing.
Typically Offered Spring Only
Grading: OPT

GEP 335 - U.S. Environmental Policy

Unit(s): 4 This class starts with the idea that institutions of government are not a fixed inheritance but choices that are constantly being revised. The goal of the course is to sort out that assertion while providing a basic introduction to both American political institutions and major environmental issues. We will look at choices shaping the structure of governance and tools of environmental policy. Where are we heading in terms of democratic decision-making, responsibility, and accountability? How does the realm of international policy dovetail with national-level governance?

Prerequisite(s): Completion of GE Area D4.
Typically Offered Spring Only
Grading: GRD

GEP 336 - U.S. Environmental Law

Unit(s): 3 Review of environmental law and regulation in the United States generally and California in particular. Overview of federal and California legal systems with emphasis on their role in environmental protection. Evolution of environmental law in the United States, including property rights and environmental justice.

Prerequisite(s): junior- or senior-level standing.
Typically Offered Fall Only
Grading: OPT

GEP 337 - Landscape History of the American West

Unit(s): 3 Use of and interactions with natural resources have transformed the American West over time, and greatly affected the western environment as we know it today. This seminar takes a historical look at the settlement, development, and management of the western landscape, both in terms of natural resources (timber, water, grazing, parks etc.) but also in terms of cultural settlement and use - and considers landscape as a tool for understanding the cultural/social/political history of a place. Students can expect to do some serious reading, writing, and thinking about how and why the West has become such a distinctive natural and cultural landscape. Open to juniors, seniors, and graduate students

only or consent of instructor.

Prerequisite(s): juniors, seniors, or graduate students.

Crosslisted: HIST 467

Typically Offered Spring Only

Grading: GRD

GEP 339 - Special Topics in Society, Environment, & Development

Unit(s): 2-4 Intensive study of selected topics related to Society, Environment, and Development. Topics vary from semester to semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

GEP 340 - Applied Ecology

Unit(s): 3-4 This course explores major concepts of ecology and examines current environmental issues in light of these concepts. Topics include: relationship between organisms and the physical environment, community-level ecological processes, the structure and function of ecosystems and their distribution on the planet, evolutionary processes, and population ecology. Environmental issues include loss of biodiversity, global climate change, invasive species, and others. Development of speaking and writing skills is a significant element of the course. Field trip required.

Prerequisite(s): completion of GE Area B2 or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

GEP 341 - Conservation Biology

Unit(s): 3-4 Interdisciplinary investigation into biological, management, economic, and ethical issues associated with the current extinction of species. Course will cover principles and applications of ecology, population biology and genetics, biogeography, and social sciences for protection and management of biodiversity in the face of current widespread alteration of the environment. At least one field trip required.

Prerequisite(s): GEP 340 or BIOL 131 and Junior/Senior standing. **Co-requisite(s):** GEP 340 or BIOL 131.

Typically Offered Spring Only

Grading: OPT

GEP 343 - Biogeography

Unit(s): 4 Biogeography is the study of plant and animals distributions at local to global spatial scales, and seeks to understand the physical, biological and human processes that determine these patterns through time. This is a highly integrative field of inquiry, pulling on concepts, theories and data from general ecology, evolutionary biology, geology, physical and human geography, and geospatial science. With its perspective on broad spatial and temporal scales, Biogeography is particularly relevant for designing viable long-term strategies for nature conservation in the face of modern human-induced changes, such as global warming and habitat conversion. This course uses lectures, reading assignments and an individual student project to explore past and present biota at regional to global scales, and a field trip to understand our local northern California ecosystems.

Prerequisite(s): GEP 201, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

GEP 350 - Geomorphology

Unit(s): 4 **Lecture:** 3 hours **Laboratory:** 3 hours
Explores the relationships between surface processes such as weathering, mass movements, running water, wind, waves, and glacial ice, and the landforms these processes create. The course looks at geomorphic systems and the role of tectonics and climate in changing the balance of these systems. Actual research projects are presented to demonstrate geomorphic approaches to environmental questions. Students are exposed to research methods in the field and lab. Field trips and field reports, use of maps, and hands-on labs are included. A fee will be charged for this course.

Prerequisite(s): GEP 201, GEOL 102, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

GEP 351 - Natural Hazards

Unit(s): 3 This course focuses on geologic and atmospheric processes that result in natural hazards (e.g. hurricanes and earthquakes) and anthropogenic-caused climate change. It covers hazard monitoring, predication, risk assessment, and mitigation. The course examines the intersection between natural hazards and human society and the magnification of hazards to disasters and catastrophes.

Prerequisite(s): GEP 201 or consent of instructor.
GE Category: Upper Division B
Typically Offered Spring Only
Teaching Mode: Face-to-Face **Grading:** Graded

GEP 352 - Soil Science

Unit(s): 3-4 An introduction to soil science emphasizing applications to agronomy, archaeology, botany, ecology, engineering, geography, geology, land use planning, hazardous materials management, and water quality. Technical exercises emphasize low-cost scientific analytical equipment.

Typically Offered Not Recently Offered
Grading: OPT

GEP 354 - Watershed Hydrology and Management

Unit(s): 4 This course focuses on the flow of water between Earth's atmosphere, surface and the root zone of the soil, with a focus on the watershed unit. The hydrologic processes affecting surface and groundwater resources in a watershed, including precipitation, evapotranspiration, infiltration, and runoff will be examined in lectures and labs.

Prerequisite(s): GEP 201, or consent of instructor.
Typically Offered Spring Only
Grading: GRD

GEP 355 - Weather and Climate

Unit(s): 3 An exploration of the atmosphere, how it differs from place to place and time to time. The role of radiation, temperature, humidity, evaporation, cloudiness, precipitation, and surface factors (topography, exposure and altitude) in differentiating world climates. Climate's influence on man physically and culturally, in history and prehistory. Climate change, drought and flood, and solar radiation are among the topics investigated in detail.

Prerequisite(s): GEP 201 or equivalent and Sophomore, Junior, Senior or Graduates only.
Typically Offered Variable Intermittently
Grading: OPT

GEP 356 - Global Climate Change: Past, Present, and Future

Unit(s): 4 An advanced course focusing on evidence of past climate change and predicted future change.

Research methods used to reconstruct past climates are explored. Climate dynamics and the response of the environment will be examined.

Prerequisite(s): GEP 201 or GEOL 102, and Juniors, Seniors and Graduate students only.
Typically Offered Spring Odd Years
Grading: OPT

GEP 359 - Special Topics in Environmental Systems

Unit(s): 1-4 Intensive study of selected topics related to Environmental Systems. Topics vary from semester to semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with consent of instructor.
Grading: GRD

GEP 360 - Introduction to Planning

Unit(s): 3 An overview of land use planning and associated concerns, such as environmental protection, transportation, open space preservation, housing, economic development, urban design, and public finance. Consideration of the evolving forms and functions of cities, towns, and rural areas and society's attitudes toward development, environmental concerns, and the appropriate role of government in regulating land use. Course addresses general plans, zoning, growth management, environmental impact assessment, and the local political process relating to planning. Current trends in planning and sustainable community development.

Typically Offered Fall & Spring
Grading: OPT

GEP 361 - Planning Theory and Methodology

Unit(s): 3-4 Exploration of evolving planning thought and processes as a basis for understanding planning practice. Comprehensive planning, incremental, and communicative action models. Planning and local politics. The values and ethics of the professional planner. Mediating environmental and land use disputes. Basic analytical, methodological, and communication skills utilized in urban, environmental, and business planning.

Prerequisite(s): GEP 360 or can be taken concurrently, junior- or senior-level standing,

Typically Offered Spring Only
Grading: GRD

GEP 362 - Environmental Impact Assessment

Unit(s): 2-3 The theory and practice of environmental impact assessment ("EIA"). The role of EIA and impact mitigation in policy development and implementation. The practice of preparing environmental review documents as mandated by state and federal law. The relationship between environmental review and comprehensive planning.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall Only
Grading: OPT

GEP 363 - Land Use Law

Unit(s): 3 Overview of the law governing land use in California. Fundamentals of the legal system and legal analysis. Substantive law regarding planning and zoning, subdivision, development conditions, growth management, land use initiatives, vested rights, and design review. Constitutional protection of property rights.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Spring Only
Grading: OPT

GEP 364 - Environmental Planning

Unit(s): 3-4 This course focuses on the relationship between land use planning and environmental and natural resources concerns, using property and landscape as our primary lenses. We will consider how ideas regarding resource management, open space, biodiversity, "sustainability", etc., are reflected in land use planning processes and practices. The course will examine broad planning and regulatory tools, such as EISs, regional planning, and resource management planning, and more specific applications such as Habitat Conservation Plans and open space planning.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall Only
Grading: OPT

GEP 365 - Healthy Communities Planning

Unit(s): 3-4 Introduces students to the field of planning for healthy communities, including the relationship of the built environment and land conservation to healthy eating, bicycling and other forms of active transportation, walkability and active living, mental health, crime and violence, access to health care, health equity, etc. Students will evaluate the rapidly evolving thinking on these topics.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall Only
Grading: GRD

GEP 366 - Planning for Sustainable Communities

Unit(s): 3 Sustainability as a concept in environmental and land use planning. Definitions and models of sustainability. Evaluation of sustainable development on global, national, regional, and local levels. Practical experience with city and county planning for sustainability.

Prerequisite(s): Juniors and seniors only; GEP 360 recommended.

Typically Offered Spring Only
Grading: OPT

GEP 367 - Transportation Planning

Unit(s): 3 Theory, methods, and tools related to the systematic analysis of city, regional, and rural transportation problems. The focus is on fundamental land use and transportation interrelationships. Transportation as an integrated system composed of automobiles, public transit, bicycles, and pedestrian travel modes. Transportation impact assessment. Congestion management, energy conservation, sustainability, and environmental impact considerations.

Prerequisite(s): GEP 360 recommended.

Typically Offered Variable Intermittently
Grading: OPT

GEP 368 - Urban Design I: The Urban Form

Unit(s): 3 c open spaces, streets, buildings, neighborhoods, city gateways, signs, and other elements of the urban scene. Meaning of "sense of place." The effects of public policy and regulations on urban form. The scale, pattern, and image of urban form elements. Planning for new communities, historic preservation, urban plazas, and public art.

Prerequisite(s): Junior- or senior-level standing; Introduction to Planning (GEP 360) is recommended.
Typically Offered Variable Intermittently
Grading: OPT

GEP 370 - Globalization and the City

Unit(s): 4 This course examines the evolution of cities as local and global political, economic and social centers. It explore the forces that drove urban growth and change in the 20th century, with a focus on how these forces shape contemporary issues such as inequality, cultural change, and segregation.

Typically Offered Variable Intermittently
Grading: OPT

GEP 371 - Social Geography

Unit(s): 3 Studies aspects of demography, migration, and the spatial dimension of social organization. Included in the course are the spatial perspectives of social well-being, poverty, crime, and ethnicity. The spatial structure of human settlement, as well as political, religious, and social values will be discussed.

GE Category: Satisfies upper-division GE Area E (Integrated Person).

Typically Offered Fall & Spring
Grading: OPT

GEP 373 - Energy, Technology, and Society

Unit(s): 4 A lecture/discussion course designed to assist students in understanding energy as a fundamental measure of organization, structure, and transformation in society. Principal topics include: energy history; thermodynamics; energy resources and conversion technologies; global issues and trends; environmental impacts; energy economics, institutions, and politics. Elementary quantitative analysis.

Prerequisite(s): Junior- or senior-level standing, and completion of GE Area B4 (Math/Quantitative Reasoning) or prior or concurrent enrollment in GEP 202.

Typically Offered Fall Only
Grading: OPT

GEP 379 - Special Topics in Sustainable Communities

Unit(s): 2-4 Intensive study of selected topics related to Sustainable Communities. Topics vary from semester to

semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

GEP 380 - Environmental Remote Sensing

Unit(s): 4 Environmental remote sensing uses imagery from satellite and airborne sensors to map properties of the Earth over broad spatial scales. This course develops an understanding of physical principles behind remote sensing, explores a range of sensors, spatial scales, and locations, and uses image processing techniques for extracting useful environmental information.

Typically Offered Variable Intermittently
Grading: OPT

GEP 385 - Cartographic Visualization

Unit(s): 3-4 **Lecture:** 2 hours **Laboratory:** 3 hours Map and graphic methods in geography: history, design, theory, and construction. Topics include selection of map projections, use of scales, generalization, data input and processing, color, visualization of spatial data, and map production. Emphasis is placed on effective communication through graphic design. Covers the increasing role of geographic information systems (GIS) in cartography. Also examines the collection of geographic data, such as with global positioning systems (GPS). Exercises guide students through increasingly complex methods of data collection and cartographic construction. Laboratory fee may be charged; see current Schedule of Classes.

Typically Offered Variable Intermittently
Grading: OPT

GEP 387 - Introduction to Geographic Information Systems

Unit(s): 4 Geographic information system (GIS) technologies provide researchers and policy-makers with a powerful analytical framework for making decisions and predictions. As with any technology, the appropriate use of GIS depends greatly on the knowledge and skills of the user. This course addresses the scientific and technical aspects of working with geographical data, so that GIS users understand the general principles, opportunities, and pitfalls of recording, collecting, storing, retrieving, analyzing, and presenting spatial information. Both

fundamental concepts and "hands on" experience with state-of-the-art software are incorporated through readings, lecture discussion, and laboratory assignments. The first half of the course focuses on the "nuts and bolts" of how a GIS works, while the second half concentrates on methods for spatial analysis and modeling.

Prerequisite(s): Course requires a basic competency with Microsoft operating system and Office applications.

Typically Offered Fall Only

Grading: OPT

GEP 388 - Environmental Geographic Information Systems

Unit(s): 3-4 Environmental issues typically involve a range of physical, ecological and socioeconomic factors with complex interactions that span multiple spatial and temporal scales. Computer-based Geographic Information Systems (GIS) are particularly well-suited for describing, analyzing and modeling environmental problems and datasets, and the technology is widely used for local- to global-scale research, impact assessment, conservation planning and natural resource management. This course investigates a range of environmental problems through the unique perspective afforded by geospatial data analysis within a GIS. Lectures introduce the ecological, scientific and societal issues associated with major environmental issues of our time, such as land-use change, biodiversity loss, and global carbon emissions. These issues are then quantitatively analyzed with real-world spatial datasets using GIS-based methods and tools in coordinated laboratory exercises. In the process, students extend and strengthen GIS skills and concepts acquired through GEP 387.

Prerequisite(s): GEP 387, basic college-level math, statistics helpful.

Typically Offered Spring Odd Years

Grading: OPT

GEP 389 - Advanced Geographic Information Systems

Unit(s): 3 This course provides greater depth in Geographic Information Systems (GIS). Through lab exercises, students build GIS databases, perform geospatial analyses, and create maps. Students conduct an independent research project on a topic of their choice, gather the appropriate spatial data, conduct GIS analyses, and present their results.

Prerequisite(s): GEP 387.

Typically Offered Variable Intermittently

Grading: OPT

GEP 390 - Environmental Data Analysis

Unit(s): 4 This course will introduce students to environmental data (Atmospheric, Oceanic and Earth's surface). Students will learn how to access, pre-process and analyze data using different statistical methods and geographic information systems (GIS). The course will also examine research questions that can be answered using these types of data and analyses. Lecture/Lab.

Prerequisite(s): Course requires a basic competency with Microsoft operating system and Office applications.

Typically Offered Fall Only

Grading: GRD

GEP 411 - Seminar in Planning Professional Practice

Unit(s): 1-2 Discussion of situations and challenges new planners are likely to encounter early in their professional careers. Seminars include discussions with professional planners on such topics as working with the public, elected officials, and other professionals; maintaining relations with the press; ethical dilemmas; and other matters of current concern. Discussion of students' internship experiences. Must be taken within two semesters of graduation.

Prerequisite(s): GEP/ENSP/GEOG majors, senior-level standing.

Typically Offered Spring Only

Grading: CNC

GEP 416 - Energy Forum

Unit(s): 1-2 Speakers, including community professionals, program alumni and University faculty, cover a wide variety of energy issues with formal presentations followed by discussion period.

Prerequisite(s): Junior- or senior-level standing.

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: CNC

GEP 418 - Lab Assistant in GEP

Unit(s): 2 Open only to advanced students who have been invited by the faculty member to serve as a Lab Assistant for GEP 201 Global Environmental Systems.

Intended to give students experience in assisting the instructor in the laboratory.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: CNC

GEP 419 - Teaching Assistant in GEP

Unit(s): 1-4 Open only to advanced students. Intended to give students experience in assisting the instructor in a Geography, Environment, and Planning (GEP) course by doing research and tutoring students in the class.

Prerequisite(s): Consent of instructor. This

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

GEP 440 - Field Methods

Unit(s): 2 This course provides hands-on experience with field sampling techniques commonly used in biophysical data collection and spatial inquiry. Course topics include sample design, field measurements, statistical data analysis, report writing, and the use of field equipment. Field work will be conducted mainly in the Fairfield Osborn Preserve and surrounding area. Data collected from vegetation sampling, soil descriptions, microclimate measurements, and geomorphologic observations will be used to interpret the natural and anthropogenic landscape. Throughout the course, students will work with Global Positioning System (GPS) units to accurately locate their field samples on the Earth, allowing for subsequent spatial analysis. Laboratory fee may be charged; see current Schedule of Classes.

Prerequisite(s): GEP 201, or consent of instructor.

Typically Offered Spring Odd Years

Grading: OPT

GEP 441 - Lab Methods

Unit(s): 2 This course provides hands-on experience with laboratory analysis techniques commonly used in physical geography. Topics include stratigraphic and laboratory analyses, report writing, and data presentation. Data collected from soil and sediment profiles and tree rings will be used to interpret environmental conditions. Students will follow laboratory methods, protocols, and use analytical equipment. Laboratory fee may be charged; see current Schedule of Classes.

Prerequisite(s): GEP 201 or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

GEP 443 - Introduction to Agroecology

Unit(s): 2 This course provides a broad introduction to the design and management of agroecosystems. Students explore the theory and practice of agroecology and how it's principles address social and environmental problems in the global food system. Students are introduced to agroecological production methods, including soil management, water systems, biodiversity development, integrated pest management, flower production and urban gardening methods, and applications of these methods in a student garden. Approximately half of this course is classroom-based instruction while the other half is hands-on garden-based work.

Typically Offered Fall Only

Grading: CNC

GEP 444 - Native Plants in Restoration

Unit(s): 2 This field and lab course focuses on the applied aspects of plant propagation and the appropriate placement of native plants in landscape and restoration settings in California. Topics include native plants and plant communities, techniques for selecting, collecting and replicating plants for production, and restoration site preparation and maintenance. Addition topics may include ethnobotany, career opportunities, restoration principals, botany, plant disease and sanitation, invasive plant removal, wildcrafting, guest speakers and fieldtrips.

Typically Offered Fall Only

Grading: CNC

GEP 445 - Restoration Ecology

Unit(s): 4 Lecture and field course introducing major concepts and practical aspects of restoration ecology and land management. Topics include: the conservation context of restoration, restoration goals, measuring success, experimental approaches, dynamic systems and change over time, disturbance, restoring animal populations and the role of animals in ecosystem restoration, and educational elements of restoration. Practical techniques covered include: seed collection, ex-situ seed and plant management and propagation, invasive species removal, planting native species, and others. Topics are addressed in a variety of diverse local

systems.

Prerequisite(s): BIOL 130 and BIOL 131. Course fee.

Typically Offered Fall Only

Grading: OPT

GEP 473 - Thermal Energy Management

Unit(s): 3-4 An introduction to energy management in residential and commercial buildings, focusing on space heating and cooling, and hot water. Fundamentals of heat transfer, thermal properties of building materials, building load calculations, and energy economics.

Prerequisite(s): Juniors and seniors only, completion of MATH 160, MATH 161, MATH 161B or GEP 202, PHYS 114 or PHYS 210A or equivalent.

Typically Offered Fall Only

Grading: OPT

GEP 474 - Electrical Energy Management

Unit(s): 3-4 An overview of energy management approaches in residential and commercial settings that involve electrical devices, including lighting, motors, and HVAC. Fundamentals of electricity, electric power delivery, and the workings of common appliances; energy economics. Strong algebra background and PHYS 210 recommended.

Prerequisite(s): Juniors and seniors only, completion of MATH 160, MATH 161, MATH 161B or GEP 202, PHYS 114 or PHYS 210A or equivalent.

Typically Offered Fall Only

Grading: OPT

GEP 475 - Passive Solar Design

Unit(s): 3-4 Fundamentals and advanced applications of passive solar design, including: site analysis and design; passive applications (sunspace, trombe wall, convective loop, direct, and indirect gain systems); passive performance predictions; and economic payback analysis. Computer applications and student design projects.

Prerequisite(s): GEP 473, junior- or senior-level standing or consent of instructor.

Typically Offered Spring Only

Grading: OPT

GEP 476 - Small Scale Energy Sources

Unit(s): 3-4 Course will focus on functional design of small-scale wind, photovoltaic, biomass, and hydroelectric energy sources. Siting, evaluating potentially available power, design of fully operable installation, and by-products and waste streams will be discussed. Energy storage mechanisms, interconnections to existing energy networks, and energy cost comparisons will be examined.

Prerequisite(s): GEP 474, junior- or senior-level standing, or consent of instructor.

Typically Offered Spring Only

Grading: OPT

GEP 477 - Computer Applications in Energy Management Laboratory

Unit(s): 4 Applications laboratory addressing state-of-the-art computer programs in this field. Focus on simulation-and-design programs utilized in residential and commercial building compliance. Student projects and presentations.

Prerequisite(s): GEP 473, junior- or senior-level standing.

Typically Offered Spring Only

Grading: OPT

GEP 490 - Capstone Project Methods

Unit(s): 2-3 This is the first semester of an intensive, year-long project in which students conduct original research and/or produce a professional product. During Fall semester, students formulate a research project and develop the research skills needed to conduct that project. Students choose an appropriate section in consultation with an advisor.

Crosslisted: GLBL 496

Typically Offered Fall Only

Grading: Graded

GEP 491 - Capstone Project

Unit(s): 3-4 A continuation of GEP 490. In the Spring semester, students conduct their work, produce their final product, and present their results. Students continue the same section that they completed in GEP 490.

Crosslisted: GLBL 498

Typically Offered Spring Only

Grading: Graded

GEP 494 - Capstone: Internship

Unit(s): 4 Students produce a capstone project in their area of study while working in a county or city agency, or other organization. Credit is given with completion of three components, all pre-arranged in consultation with the internship coordinator. 1. Students will work 135 hours, verified through their direct supervisor. 2. Students will formulate, propose and conduct a research project in the context of that experience and write a concise and professional report on their analysis and findings. 3. Students will present that research orally. Must have senior-level standing and permission from the student advisor and the internship coordinator.

Prerequisite(s): Class open to Seniors only

Typically Offered Spring Only

Grading: GRD

GEP 495 - Special Studies

Unit(s): 1-4 Independent study designed in consultation with an instructor. Requires prior approval of GEP faculty member and department chair.

Prerequisite(s): successful completion of at least two GEP courses and submission of a completed SSUspecial studies form; GEP majors or minors or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit for up to 8 units.

Grading: OPT

GEP 496 - Selected Topics

Unit(s): 1-4 Intensive study of selected topics related to geography, environment, and/or planning. Topics vary from semester to semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

GEP 497 - Special Topics: Lab

Unit(s): 2-4 A single subject or set of related subjects not ordinarily covered by the GEP Department. Offerings will vary depending on visiting faculty, experimental courses, and educational needs.

Typically Offered Variable Intermittently

Grading: GRD

GEP 595 - Graduate Special Studies

Unit(s): 1-6 Advanced research and writing. Students work under close supervision of faculty members. Subject matter variable.

Prerequisite(s): consent of instructor and completed special studies form.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

German

GER 101 - First Semester - The Personal World

Unit(s): 4 German for beginners. Through communicative activities covering the four language skills (listening, speaking, reading, and writing), students learn to ask and answer questions and share information about themselves, their families, and their daily activities.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

GER 102 - Second Semester - Contemporary Germany

Unit(s): 4 Expansion of the skills acquired in GER 101. Students build on their knowledge of German culture. They improve their communicative competence, and develop skills needed to negotiate a variety of everyday situations in Germany.

Prerequisite(s): GER 101 or consent of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

GER 195 - Elementary Special Studies

Unit(s): 1-4 Directed individual study.

Typically Offered Variable Intermittently

Grading: OPT

GER 200 - Intermediate German: The German-Speaking World Today

Unit(s): 4 This course introduces various cities and regions that provide the context to review first-year

German. Students develop ability to communicate in German and their understanding of Germany, Austria, and Switzerland by engaging with increasingly complex topics (i.e. education, environmental issues, politics, history).

Prerequisite(s): GER 102 or consent of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only

Grading: OPT

GER 210 - Intermediate German through Film

Unit(s): 4 This course uses films to expand students' knowledge of the history and culture of the German-speaking world. Films promote vocabulary enhancement, grammar review as well as improvement of speaking and writing skills. Cross-cultural comparisons encourage critical thinking skills.

Prerequisite(s): GER 102. This course may be taken before GER 200.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only

Grading: OPT

GER 300 - Advanced German Studies

Unit(s): 4 Prepares students for the Goethe-Certificate B1 proficiency examination (Zertifikat Deutsch). Students acquire differentiated vocabulary, greater grammatical accuracy, and improve their speaking and writing skills by focusing on varied language use in different contexts. Content may include: issues of gender or multiculturalism, the continued influence of the Nazi past, and German reunification.

Prerequisite(s): GER 200 and GER 210, or consent of instructor. Course may be taken before GER 314.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and/or Foreign Languages).

Typically Offered Spring Only **May Be Repeated** May be repeated for credit under different subtitles. Must be taken in residence at SSU.

Grading: OPT

GER 314 - Love and Desire in German Literature

Unit(s): 4 Studies of literature, including film, art, and the cultural history of German-speaking countries.

Prerequisite(s): ENGL 101.

GE Category: Satisfies GE Area C2.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit under different title.

Teaching Mode: Taught in English. **Grading:** OPT

GER 315 - German Language and Literature

Unit(s): 1 Readings and discussion of selected literary works in German. Review of vocabulary and grammar. Includes practice of pronunciation. Students pursuing the minor or special major in German must take this course concurrently with GER 314. Also open to other German students.

Prerequisite(s): GER 102 or consent of instructor.

Typically Offered Fall Only

Grading: GRD

GER 395 - Community Involvement Program

Unit(s): 1-4 CIP involves students in basic community projects, performing such tasks as tutoring, coaching, and assisting others in the process of learning. Students receive 1 to 4 units, depending on the specific tasks performed.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: CNC

GER 495 - Special Studies

Unit(s): 1-4 Directed individual study.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

GER 499 - Internship

Unit(s): 1-4 **Typically Offered** Variable Intermittently

Grading: OPT

Global Studies

GLBL 300 - Local Responses to Global Issues: Case Studies from Around the World

Unit(s): 3 This class examines various ways in which individuals take action to solve global social problems in

their own local cultural, political, and economic contexts. Students explore the social structures that create social problems, such as human trafficking and political oppression, and how local people adapt to, and seek to change, those structures.

Prerequisite(s): a GE Area D5 course.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Fall Only

Grading: GRD

GLBL 310 - Professional Preparation

Unit(s): 1 This seminar covers topics essential for professional preparation in the fields of geography and environmental studies. Topics include discussions with guest speakers on career options in governmental, private, and non-profit settings; writing highly effective resumes, CVs, and cover letters; and techniques for successful interviewing. The course will also cover preparation for future training in professional and academic fields.

Prerequisite(s): GLBL Major and Sophomore, Junior or Senior **Crosslisted:** GEP 310

Typically Offered Spring Only **May Be Repeated** Yes
Maximum units for credit

2

Teaching Mode: Face-to-Face **Grading:** CNC

GLBL 490 - Capstone Project Methods

Unit(s): 2-3 This is the first semester of an intensive, year-long project in which students produce a group research project. Students formulate a research question, conduct literature reviews and evaluate analytical frameworks. Students are introduced to techniques specific to the group research and writing process. This is a prerequisite for GLBL 491.

Prerequisite(s): GLBL Major and Senior **Crosslisted:** GEP 490

Typically Offered Fall Only

Teaching Mode: Face-to-Face **Grading:** Graded

GLBL 491 - Capstone Project

Unit(s): 3-4 A continuation of GLBL 490. Students conduct their work, produce their final product, and present their results.

Prerequisite(s): GEP 490 **Crosslisted:** GEP 491

Typically Offered Spring Only **May Be Repeated** Yes
Teaching Mode: Face-to-Face **Grading:** Graded

GLBL 495 - Special Studies

Unit(s): 1-4 Directed individual study.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.

Grading: CNC

GLBL 497 - Cross-Cultural Community Service Internship

Unit(s): 3 A three-unit community service internship is required of all students. This is a supervised program of cross-cultural community service work and study for a governmental or non-governmental agency, completed either at home or abroad. A minimum of 135 hours of supervised work is required. Students will keep a daily journal of their experiences, and upon completion will submit 1) a formal letter from their internship supervisor, verifying hours worked and duties performed; and 2) a four-page essay summarizing their experience in rich personal detail. Information about a broad spectrum of internship options is available from the Global Studies coordinator, whose approval is required for all service internship proposals.

Typically Offered Variable Intermittently

Grading: GRD

Human Development

HD 200 - Introduction to Human Aging

Unit(s): 3 HD 200 is an introduction to the field of human aging. The course is a multidisciplinary examination of the way in which human aging is viewed by individuals and society from multiple perspectives including social, political and biological sciences, caregiving, social services, and ethics. Satisfies GE area E (Lifelong Learning).

GE Category: E - Life Long learning & Self Development

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face **Grading:** OPT

HD 320 - Culture and the Life Course

Unit(s): 4 This course explores how culture shapes the human experience of the life course. Possible topics

include the role of culture in human development (including its impact on interventions designed to facilitate development), the significance of institutions such as the school for processes of socialization, the way that language facilitates processes of human development, and the sociocultural context of developmental disabilities. Topics vary with each offering;

Prerequisite(s): open to upper division Human Development Majors only.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit with consent of program coordinator.

Teaching Mode: Face-to-Face & Online. **Grading:** GRD

HD 321 - Human Development Core Concepts

Unit(s): 4 This course offers an introduction to the social scientific theories that influence the study of human development. We consider theorists who examine the influence of political economy, culture, psychology, and biology on the life course. The course emphasizes the close reading, analysis, and discussion of texts representative of major approaches.

Prerequisite(s): open to upper division Human Development Majors only.

Typically Offered Fall Only
Grading: GRD

HD 322 - Applied Human Development

Unit(s): 4 This capstone course considers some of the essential characteristics of what we might refer to as "applied human development." We take up four topics: 1) the politics and ethics of what it means to do applied work; 2) the challenges of applying divergent theoretical perspectives to practical problems; 3) the practical challenges of working on a specific applied project; and 4) the institutional characteristics of some of the career contexts in which human development knowledge gets applied. With these last two topics, we will engage with community partners in ways that help us to understand applied human development work.

Prerequisite(s): enrollment in or completion of HD 450 and either HD 320 or HD 321; open to Human Development Majors with senior standing only.

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Online. **Grading:** GRD

HD 325 - Topics in Human Development: Childhood and Adolescence

Unit(s): 3-4 This seminar deals with current topics in the development of humans during childhood and adolescence. Topics vary with each offering.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated for credit if topic differs.

Open to upper-division Human Development majors only.

Grading: GRD

HD 335 - Topics in Human Development: Adulthood and Lifespan

Unit(s): 3-4 This seminar deals with current topics in the development of humans during adulthood or across the lifespan. Topics vary with each offering.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated for credit if topic differs.

Open to upper-division Human Development majors only.

Grading: GRD

HD 350 - Topics in Human Development

Unit(s): 3-4 A seminar dealing with current topics in human development. Topics vary with each offering. Possible topics include: autism across the lifespan; child, adolescent, and adult development in sociocultural context; human difference across the lifespan; language and learning; culturally-shaped conceptions of childhood and development; interventions in human development.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit if topic differs.

Grading: GRD

HD 365 - Topics in Human Development: Gender and Sexuality

Unit(s): 3-4 This seminar deals with current topics in gender and sexuality across the lifespan. Topics vary with each offering.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated for credit if topic differs.

Open to upper-division Human Development majors only.

Grading: GRD

HD 375 - Topics in Human Development: Society, Culture and Language

Unit(s): 3-4 This seminar deals with current topics of human development in social, cultural and linguistic perspectives. Topics vary with each offering.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated for credit if topic differs.

Open to upper-division Human Development majors only.

Grading: GRD

HD 450 - Qualitative Research Design

Unit(s): 4 This course introduces the way in which qualitative methods can be used to study the life course. After considering what it means to pose an interesting, viable, and ethical research question, the class will provide extensive training in one method central to the study of the cultural character of the life course: semi-structured interviews. Students will develop and carry out a collaborative research project throughout the course of the class.

Prerequisite(s): Course restricted to Human Development Majors with upper-division standing only.

Typically Offered Fall & Spring

Grading: GRD

HD 490 - Senior Project

Unit(s): 1 A senior capstone course devoted to senior projects required of Human Development students.

Prerequisite(s): Admission to the Human Development major, senior standing.

Typically Offered Fall & Spring

Grading: GRD

HD 495 - Special Studies

Unit(s): 1-4 The Human Development major encourages independent study as preparation and practice for life-long self-directed learning. Students should formulate plans in consultation with a faculty member. Special forms for this purpose are available in the department office. These should be completed and filed during the add/drop period.

Prerequisite(s): upper-division Human Development majors with a minimum 3.0 GPA and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

HD 496 - Agency Internships

Unit(s): 1-4 Agency Internship to allow students in Human Development to do supervised internships in a variety of educational and social service settings.

Prerequisite(s): Upper division Human Development majors and consent of instructor.

Typically Offered Fall & Spring

Grading: CNC

Hebrew

HEBR 101 - Elementary Modern Hebrew - First Semester

Unit(s): 4 This course offered as the first semester course in Hebrew Program. As such it addresses appropriate material for the beginning level. The course requires no prior Hebrew background. Students are exposed to spoken Hebrew during each class; they are expected to communicate in Hebrew with one another as well as with the instructor.

Typically Offered Variable Intermittently

Grading: OPT

HEBR 102 - Elementary Modern Hebrew - Second Semester

Unit(s): 4 Hebrew for beginners, second level. Elementary oral expression and fundamentals of grammar, cultural readings, and beginning practice in composition.

Prerequisite(s): JWST 101 or equivalent, or instructor permission.

Typically Offered Variable Intermittently

Grading: OPT

History

HIST 150 - History: Credit by Examination

Unit(s): 3 Challenge Examination - The state code requirement in world or U.S. history may be satisfied by

passing the department's challenge examination. (Dates and times are published at the beginning of each semester.) Instructor consent required.

Typically Offered Fall & Spring

Grading: CNC

HIST 201 - Foundations of World Civilization

Unit(s): 3 An introduction to the early, classical, and medieval civilizations that have most influenced the modern world. Developments (from prehistory to 1500 C.E.) include the Eastern traditions of India, China, and Japan; the world of Judaism, Christianity, and Islam; the classical Mediterranean civilizations; tropical Africa; and the medieval and Renaissance cultures of the emerging West.

GE Category: Satisfies GE Area D2 (World History and Civilization).

Typically Offered Fall & Spring

Grading: OPT

HIST 202 - Development of the Modern World

Unit(s): 3 An introduction to modern and contemporary history from 1500 C.E. to the present. Course material includes the impact of world expansion on the Americas, Africa and Asia; the growth of nationalism and the national state; industrial, political, and social revolutions worldwide; the wars of the 20th century; and decolonization and the conclusion of the Cold War.

GE Category: Satisfies GE Area D2 (World History and Civilization).

Typically Offered Fall & Spring

Grading: OPT

HIST 242 - History of the Americas Since Independence

Unit(s): 3 A comparison of the development of the United States after independence with that of Latin America. Topics include: colonial legacies, political leadership, expansion and conflict, regionalism, economic development, reform and revolution, church and state, race relations, education, and inter-American relations.

GE Category: Satisfies GE Area D3.

Typically Offered Fall & Spring

Grading: OPT

HIST 251 - History of the United States to 1877

Unit(s): 3 A general survey of the major developments in U.S. history from the European discovery and colonization of the Western Hemisphere through Reconstruction. Required of all history majors.

GE Category: Satisfies GE Area D3 (U.S. History), and the state code requirement in history.

Typically Offered Fall & Spring

Grading: OPT

HIST 252 - History of the United States Since 1865

Unit(s): 3 A general survey of the major developments in U.S. history from the end of Reconstruction to the present day.

GE Category: Satisfies GE Area D3 (U.S. History) and the state code requirement in history.

Typically Offered Fall & Spring

Grading: OPT

HIST 305 - Warfare in the Pre-Modern Era

Unit(s): 4 This course will examine warfare in the ancient and medieval Near East, Mediterranean, and European worlds. Particular emphases will be placed on the development of new military technologies and strategies and their social, economic, and political ramifications. The class will also investigate the consequences of war and its impact on non-combatants.

Typically Offered Variable Intermittently

Grading: OPT

HIST 324 - Archaeology and the Bible

Unit(s): 4 An exploration of the archaeology and history of the ancient Near East, from the earliest human settlements through the Persian empire (ca. 10,500-332 BCE). Societies described in the Hebrew Bible are emphasized, with topics ranging from the rise of the state and international trade, to the identities and everyday lives of men, women, and children. The history and socio-political impacts of "Biblical Archaeology" are also examined. Prerequisites: upper-division standing or consent of instructor.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only. **Crosslisted:** JWST 324

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face **Grading:** OPT

HIST 335 - Early China to 1500

Unit(s): 4 This course is designed to introduce students to the intellectual, political, social and economic traditions that helped make the 16th century Chinese state the greatest bureaucratic empire in the world. From the great intellectual efflorescence of the "100 School" period to the far-ranging ocean voyages of the eunuch admiral Zheng He, the course will examine a broad spectrum of topics, including folk religion, gender roles, imperial politics, medicine, art, and literature, among others. The relationship between social, economic, and political developments will be emphasized.

Typically Offered Variable Intermittently

Grading: OPT

HIST 338 - Early Japan to 1650

Unit(s): 4 This course is designed to introduce students to the intellectual, political, social, and economic traditions that underlay the creation of the Japanese emperor system and the rise of warrior government. From the unique aristocratic culture of Heian Japan to the legendary conquests of Hideyoshi, the course will look at a broad range of topics, including religion, gender, politics, art, and philosophy. The course also examines the influence on Japan of Tang China and early modern Europe. The emphasis will be on the relationship between social, economic, political, and cultural forces.

Typically Offered Variable Intermittently

Grading: OPT

HIST 339 - Ancient and Colonial Latin America

Unit(s): 4 An inquiry into the indigenous cultures of Central and South America and an examination of Spanish, Portuguese, and other European empires in America. Areas of study may include land, labor, religion, culture, slavery, race, gender, trade and economic development, art and literature, and resistance and revolt.

Typically Offered Variable Intermittently

Grading: OPT

HIST 342 - Modern Latin America

Unit(s): 4 A study of the major political, economic, social, and cultural developments in Latin America since independence, with an emphasis on political movements in the 20th century, including revolutions in Mexico, Guatemala, Cuba, and Nicaragua; socialism in Chile, peronismo in Argentina; and modernization in Brazil. The role of the United States in Latin America and modern

Latin American art and literature will also be emphasized.

Typically Offered Variable Intermittently

Grading: OPT

HIST 345 - Women's History and Women's Activism

Unit(s): 3-4 This course (originates in WGS) will take an activist-historical perspective on the history of American women. We will study historical figures, events, and movements central to the history of feminist activism for equality and social justice. The class will address the politics of writing women into history and documenting the diversity of women's activism.

Crosslisted: WGS 365

Typically Offered Variable Intermittently

Grading: OPT

HIST 349 - Historical Themes

Unit(s): 2-4 Studies of particular themes, issues, and topics of special interest to general students as well as to majors.

Typically Offered Variable Intermittently **May Be**

Repeated May be repeated for credit with different topic.

Grading: GRD

HIST 351 - American Thought and Society to 1865

Unit(s): 4 An introduction to the major ideas, values, and beliefs operative in American history up to the Civil War. Topics include Puritan religion and culture, the revolutionary and constitutional debates, Transcendentalism, and slavery controversies.

Typically Offered Variable Intermittently

Grading: OPT

HIST 352 - American Thought and Society, 1865 to the Present

Unit(s): 4 An introduction to the major ideas, values, and beliefs operative in American history from the Civil War to the turn of the 21st century. Topics include the Social Gospel, pragmatism, socialism, the New Left, feminism, and conservative thought.

Typically Offered Variable Intermittently

Grading: OPT

HIST 355 - America at War: Oral History and Performance

Unit(s): 4 This course examines warfare in modern American history, using the methods of oral history. After reading oral history interviews relating to American military history, the class conducts original interviews and translates those interviews into a performance for the campus community.

Typically Offered Variable Intermittently
Grading: OPT

HIST 360 - Public History and Museum Studies

Unit(s): 4 This discussion-based course introduces students to the methods and scholarship of public history. Topics include: museum studies, oral history, archival work, historic preservation, public policy research, local history, documentary film making, and digital history. This class teaches students practical skills necessary for careers in public history.

Typically Offered Fall Odd Years
Grading: OPT

HIST 370 - History Forum

Unit(s): 1-4 A semester lecture series on a specific theme or topic presented by members of the department, other SSU faculty, and guest speakers. May be audited. Open to the public.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit with different topic.
Grading: GRD

HIST 371 - Special Topics and Themes in European History

Unit(s): 2-4 Studies of particular themes, issues, and topics of special interest pertaining to European History.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: CNC

HIST 372 - Special Topics and Themes in Latin American History

Unit(s): 4 Studies of particular themes, issues, and topics of special interest pertaining to Latin American history.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

HIST 373 - Special Topics and Themes in World/Regional History

Unit(s): 4 Studies of particular themes, issues, and topics of special interest pertaining to World/Regional history.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

HIST 375 - Special Topics and Themes in American History

Unit(s): 1-4 Studies of particular themes, issues, and topics of special interest pertaining to American History.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

HIST 376 - Special Topics and Themes in World History

Unit(s): 2-4 Studies of particular themes, issues, and topics of special interest pertaining to World History.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

HIST 377 - Special Topics and Themes in Asian and Pacific History

Unit(s): 4 Studies of particular themes, issues, and topics of special interest pertaining to Asian and Pacific History.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

HIST 378 - Special Topics and Themes in Comparative/Thematic/Global History

Unit(s): 4 Studies of particular themes, issues, and topics of special interest pertaining to Comparative/Thematic/Global history.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.

Grading: OPT

HIST 380 - Twentieth Century World

Unit(s): 3 An exploration of the origins and development of 20th century ideas, institutions, and systems in global perspective. Forces that have united and divided the contemporary world community are examined: imperialism, science, democracy, communism, nationalism, militarism, racism, cultural traditionalism, and technological disparities.

Prerequisite(s): juniors and seniors only.

GE Category: Satisfies upper-division GE Area D2 (World History and Civilization).

Typically Offered Fall & Spring

Grading: OPT

HIST 381 - The Black Sea World, 1500-2000

Unit(s): 4 A study of the Black Sea region in the early-modern and modern eras. Major themes include Russian expansion into the Pontic-Caspian Steppe, the Crimean Khanate, the incorporation of Georgia and Crimea into the Russian Empire, the fall of the Ottoman Empire and the formation of modern Turkey, Balkan nationalism, and secessionist wars in the Caucasus and Ukraine

Typically Offered Variable Intermittently

Grading: OPT

HIST 382 - The Mediterranean World, 1400-1700

Unit(s): 4 A study of the Mediterranean region in the early modern era. The course considers economic, political, social, and cultural interaction in the region. Topics covered include the Ottoman Empire, Iberian expansion into North Africa, the Spanish reconquista, and naval warfare and piracy. History majors may consider this an upper-division European history elective.

Typically Offered Variable Intermittently

Grading: OPT

HIST 383 - The Atlantic World, 1450-1800

Unit(s): 4 Focusing on the development of institutions and spread of movements that connected Western Africa, Northern Europe, North America, the Caribbean, and South America in a transatlantic context from 1500-1800, this course considers the topics of state formation, revolutions, empire, migration, religion, economy, race, class and gender in an Atlantic framework. Although the course emphasizes the early modern period, additional consideration is given to the issues facing the Atlantic community in the modern era.

Typically Offered Variable Intermittently

Grading: OPT

HIST 384 - Empires and Colonies

Unit(s): 4 A comparative study of empires and their colonies throughout history. Problems in colonial history, decolonization and the writing of imperial history are considered.

Typically Offered Variable Intermittently

Grading: OPT

HIST 391 - The Study of History

Unit(s): 4 An examination of various philosophies and methodologies that have shaped historiography. Consideration is given to the relationship between the historian and the climate of opinion, to varying interpretations of historical events, to the place of history as a literary art, and to the techniques of historical research and writing.

Typically Offered Variable Intermittently

Grading: OPT

HIST 392 - Story and History

Unit(s): 4 The relationship between literary narrative and history in late medieval and early modern Italy. Dante's *Inferno*, Boccaccio's *Decameron*, Machiavelli's *Discourses*, and other works as documents of a particular historical time.

Typically Offered Variable Intermittently

Grading: OPT

HIST 400 - The Roman Republic

Unit(s): 4 A history of the Roman people from prehistory through Julius Caesar. The course covers political, economic, social and cultural change in Rome's transition from a village of mud huts to Mediterranean empire.

Typically Offered Variable Intermittently
Grading: OPT

HIST 401 - The Roman Empire

Unit(s): 4 A history of the Roman Empire from Octavian to 476 C.E., covering political, economic, social, and cultural change in Rome's transition from Mediterranean and European empire to the collapse of the empire in the West.

Typically Offered Variable Intermittently
Grading: OPT

HIST 402 - The Fall of the Roman Empire

Unit(s): 4 More than 1500 years after the end of Roman political authority in Western Europe, the so-called 'Fall of Rome' continues to fascinate us. This class will attempt to problematize the 'Fall of Rome' and evaluate the various reasons advanced by scholars, from Edward Gibbon to modern historians, to explain it.

Typically Offered Variable Intermittently
Grading: OPT

HIST 406 - The Crusades

Unit(s): 4 A study of the Crusades provides a microcosm of trends and assumptions in the Europe of the High Middle Ages. The course will focus on interrelationships of church, political structures, economy, and military structures, with special attention on the First, Fourth, and Sixth Crusades (1095-1270).

Typically Offered Variable Intermittently
Grading: OPT

HIST 407 - Love, Sex, and Death in the Pre-Modern World

Unit(s): 4 This course will examine love, sex, and the end of life in the pre-modern world with a primary focus on Europe in Late Antiquity and the Middle Ages. Topics include courtship and marriage, prostitution, gender and sexuality, attitudes towards the body, death and the memorialization of the dead.

Typically Offered Variable Intermittently
Grading: OPT

HIST 408 - Late Antiquity and the Early Middle Ages in Europe, 300-1000

Unit(s): 4 In this course, students will examine late antique and early medieval history from the late Roman period to the year 1000. Topics include the end of Roman imperial rule in the west, the advent of the barbarian successor kingdoms, the Byzantine Empire, and the spread of Christianity.

Typically Offered Variable Intermittently
Grading: OPT

HIST 409 - The High Middle Ages

Unit(s): 4 Medieval civilization from 1000-1400. The course includes the conflict of church and state, growth of national monarchies, the agricultural revolution and growth of commerce, the flowering of medieval culture, and the devastations of the 14th century.

Typically Offered Variable Intermittently
Grading: OPT

HIST 410 - Early Modern Europe, 1350-1789

Unit(s): 4 This course offers a comparative study of states and society in Western Europe from the Renaissance to the French Revolution. Topics include the persistence of the humanist tradition, European exploration and conquest, religious reform and ideology, the rise of science, and the crisis of culture and social relations. The emphasis in these centuries that shaped the modern world is social and cultural, but political and intellectual issues are also considered in depth.

Typically Offered Variable Intermittently
Grading: OPT

HIST 411 - The Enlightenment to World War I

Unit(s): 4 A political, social, and cultural history that explores the origins of modern Europe. Topics include the Scientific Revolution, the Enlightenment, the French Revolution, the Industrial Revolution, the impact of Europe on the world, the growth of liberalism and socialism, and the causes of World War I.

Typically Offered Variable Intermittently
Grading: OPT

HIST 412 - Europe Since 1914

Unit(s): 4 An overview of 20th century European history and culture. Topics include: the impact of World War I; the appeal of totalitarian systems: communism, fascism, Nazism; Europe's "suicide" during World War II; the reconstruction of Europe; the Cold War; economic integration; and Europe's cultural impact since 1914.

Typically Offered Variable Intermittently
Grading: OPT

HIST 414 - Gender and Society in Early Modern Europe

Unit(s): 4 This course examines the role of gender in early modern Europe from the late Middle Ages to the end of the 18th century. Topics include religion, law, labor, social and family relations. The course also considers the impact of major historical developments such as the Renaissance, Reformation, Scientific Revolution, industrialization, and the rise of the modern state on gender relations.

Crosslisted: WGS 414
Typically Offered Variable Intermittently
Grading: OPT

HIST 415 - Eastern Europe, 1815-1918

Unit(s): 4 A survey of Eastern European history from the end of the Napoleonic Wars to World War I. Major topics include the collapse of the Austro-Hungarian, Russian, and Ottoman Empires; nationalism; industrialization; fin-de-siecle cultural ferment; and the origins and impact of the Great War.

Typically Offered Variable Intermittently
Grading: OPT

HIST 416 - Eastern Europe, 1918-1989

Unit(s): 4 A survey of Eastern Europe from the end of World War I to the collapse of communism. Major topics include the creation of the new states; nationalism; socialism; the Holocaust; Stalinism; the anti-Soviet uprisings in Warsaw, Budepest, and Prague; and the revolutions of 1989.

Typically Offered Variable Intermittently
Grading: OPT

HIST 417 - Russian Empire

Unit(s): 4 A survey of Russian history from the origins of Kievan Rus in the 9th century to the Russian Revolution of 1917. Major topics include the Mongols; the development of the Russian autocracy; Orthodoxy; serfdom; the exploration and colonization of Siberia, Central Asia, and Alaska; and Russia's alleged peculiarity vis-à-vis the West.

Typically Offered Variable Intermittently
Grading: OPT

HIST 418 - Fall of European Communism

Unit(s): 4 A survey of Eastern European and Russian history from Prague Spring in 1968 to the election of Vladimir Putin in 2000. Major topics include the dissident movement, the economic failures of communism, the East German Stasi and the Soviet KGB, the political upheaval of 1989 and 1991, and the ethnic conflict in the Balkans.

Typically Offered Variable Intermittently
Grading: OPT

HIST 419 - Soviet Union

Unit(s): 4 A survey of Soviet history from the Russian Revolution of 1917 to the collapse of communism in 1991. Major topics include the revolutionary upheaval of 1917, Soviet policies toward national minorities and religious groups, Stalinism, socialist realism, World War II, the "developed socialism" of the Khrushchev and Brezhnev years, the Cold War, and Gorbachev's glasnost and perestroika reforms.

Typically Offered Variable Intermittently
Grading: OPT

HIST 420 - The French Revolution

Unit(s): 4 A consideration of the causes, events, and results of a key event in French history. The course also examines conditions in 18th century France and the historiography of the French Revolution.

Typically Offered Variable Intermittently
Grading: OPT

HIST 422 - Imperial Spain

Unit(s): 4 Examines Spain and the Spanish world from 1400 to 1700. Includes Spanish expansion and empire building worldwide, as well as the economic, political, and social history of Spain itself.

Typically Offered Variable Intermittently
Grading: OPT

HIST 423 - Spanish Civil War

Unit(s): 4 This course provides an overview of the political, economic, and social circumstances of Spain's late 19th and early 20th century, as well as a detailed examination of the war years and their immediate aftermath. It also examines the significance of the war within the larger context of European history.

Typically Offered Variable Intermittently
Grading: OPT

HIST 424 - Tolerance and Intolerance in Europe, 500-1500

Unit(s): 4 What are the roots of tolerance, and intolerance, in Western Europe? This course is a survey of the philosophical, ecclesiastical, legal, cultural, and social attitudes toward and treatment of minorities in Western Europe from the end of the Roman Empire forward.

Typically Offered Variable Intermittently
Grading: OPT

HIST 426 - Britain and Ireland, 1399-1714

Unit(s): 4 This course considers the social, political, religious and cultural development of Britain and Ireland from the late Middle Ages to the beginning of empire and industrialization. Topics include the Tudor revolutions in government and religion, relations between kings and parliaments, the evolution of toleration, and ideas about rights and liberty. Special consideration is given to the interaction of the three kingdoms (England, Ireland and Scotland) in the formation of Great Britain and the role of that interaction in the emergence of the British Empire.

Typically Offered Variable Intermittently
Grading: OPT

HIST 428 - Modern Britain, 1714-Present

Unit(s): 4 The study of the evolution of British society from the beginning of the 18th century to the present. Major political, economic, social, and cultural developments are covered including industrialization and the rise of the working class; the emergence of imperial Britain; the Irish Question; the rise of welfare state; and the role of decolonization, diversity, and devolution in the emergence of contemporary Britain as well as its place in a

united Europe.

Typically Offered Variable Intermittently
Grading: OPT

HIST 433 - History of Mexico

Unit(s): 4 A study of the Mexican people from the early native cultures to the present, with particular emphasis on the Mexican Revolution of 1910 and the major political, social, economic, and cultural developments of modern Mexico. Includes major Indian cultures, the Conquest, religion and the Catholic church, literary and artistic expressions, machismo and women, and relations between Mexico and the United States.

Typically Offered Variable Intermittently
Grading: OPT

HIST 435 - History of Modern China

Unit(s): 4 Explores the profound changes that have taken place in China from around 1600 to the present, including the apogee and decline of the imperial system, the encroachments of the West, the failure of Republicanism, the rise and eventual victory of the Chinese communists, and the consequences of China's adoption of a market-based economy in the 1980s.

Typically Offered Variable Intermittently
Grading: OPT

HIST 438 - Modern Japan

Unit(s): 4 Traces the development of Japanese society from earliest times to the present. While some attention will be given to early aristocratic culture and the emergence of the warrior elite, emphasis will be on the period after 1600, particularly the emergence of Japan as an international power after 1868 and economic success since World War II.

Typically Offered Variable Intermittently
Grading: OPT

HIST 445 - Topics in American Women's History

Unit(s): 4 Course will address the history of women in America from one of several topical or regional perspectives. Topics may include law, women, and family in American history; women and work in American history; or women in the American West. When the class is offered, prospective students should consult the

departmental descriptions for the periods and topics to be covered.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.

Grading: OPT

HIST 446 - Women in American History

Unit(s): 4 A study of the status and role of women in America from the pre-colonial period to the present. Special attention will be given to the educational, labor, and political reforms of the 19th century, women's associations, and the various "waves" of women's rights and feminist activism.

Crosslisted: WGS 446

Typically Offered Variable Intermittently

Grading: OPT

HIST 447 - Queer Theory, Queer Lives

Unit(s): 4 This interdisciplinary course (originates in WGS) offers advanced work in queer studies by looking at the production of theories about same-sex sexualities in history, culture, and politics. The course presents queer theory in conjunction with critical race theory, feminist theory, and post-colonial studies.

Typically Offered Variable Intermittently

Grading: OPT

HIST 449 - Gender and Sexuality in Latin America

Unit(s): 4 This course examines the changing definitions, institutions, and behaviors related to gender, sexuality, and the formation of families in Latin America from indigenous civilizations to contemporary societies. The course explores how women handled the transition from European colonies to nation-states and how various Latin American men and women in the 20th century were able to position themselves in "traditional" nation-states. The course concludes by evaluating the social, economic, and political changes in Latin America and contemporary social movements.

Crosslisted: WGS 449

Typically Offered Variable Intermittently

Grading: GRD

HIST 450 - Colonial America

Unit(s): 4 A study of the European derived societies and cultures in those parts of North America that later became the United States from the beginnings of European expansion until 1763. Topics may include European backgrounds, relations with native peoples, cultural mixing, labor systems, gender relations, and political, social, and economic characteristics and changes.

Typically Offered Variable Intermittently

Grading: OPT

HIST 451 - The American Revolution and the Early Republic

Unit(s): 4 A study of the political, economic, and social institutions and conditions during the long period that included the War of American Independence, the contest between federalism and anti-federalism in the newly-independent United States before 1789, and the emergence of a paradoxical American nation notable for a devotion to chattel slavery and to liberty as well as for technological achievements represented by the Erie Canal.

Typically Offered Variable Intermittently

Grading: OPT

HIST 452 - Antebellum America

Unit(s): 4 A study of 19th century American society and politics before the Civil War. Topics may include the market revolution, the commercialization of agriculture, territorial expansion and its implications for chattel slavery and Indian policies, the religious movements, reform movements, the emergence of the women's rights movement, and the lure of the West.

Typically Offered Variable Intermittently

Grading: OPT

HIST 454 - Civil War and Reconstruction

Unit(s): 4 A study of the causes and consequences of the Civil War, the struggles of the Reconstruction era, and the transformation of American society and politics in the period between 1850 and the end of Reconstruction.

Typically Offered Variable Intermittently

Grading: OPT

HIST 456 - The Emergence of Modern America

Unit(s): 4 A study of the major intellectual, cultural, religious, and social developments in the late late 19th and

early 20th century United States. Explores how what materialized in this era -- particularly the consumer revolution, professionalization, and secularization -- created a modern American culture and a particular set of problems we still deal with today. This is a reading-intensive course that requires students to have a basic working knowledge of the period.

Typically Offered Variable Intermittently
Grading: OPT

HIST 457 - America through Depression and War

Unit(s): 4 A study of the causes and consequences of the Great Depression, U.S. involvement in World War II, and the advent of the Cold War. Explores the extent to which the challenges of the first half of the 20th century reshaped the United States socially, politically, economically, and culturally, particularly in regard to education, race, ethnicity, gender, and international political participation.

Typically Offered Variable Intermittently
Grading: OPT

HIST 458 - Modern America since World War II

Unit(s): 3-4 A study of political, social, economic, diplomatic, and cultural change at home and in international affairs as the United States took on a greater role as a global superpower after 1960. Topics may include the Vietnam War, civil rights, student protest, environmental issues, international regional military interventions, feminism, the end of the Cold War, the new conservatism of the 1980s, and the concerns of terrorism.

Typically Offered Variable Intermittently
Grading: OPT

HIST 467 - Landscapes of the American West

Unit(s): 3 Use of and interactions with natural resources have transformed the American West over time, and greatly affected the western environment as we know it today. This seminar takes a historical look at the settlement, development, and management of the western landscape, both in terms of natural resources (timber, water, grazing, parks etc.) and in terms of cultural settlement and use - and considers landscape as a tool for understanding the cultural/social/political history of a place. Students can expect to do some serious reading, writing, and thinking about how and why the West has become such a distinctive natural and cultural landscape.

Prerequisite(s): juniors, seniors, and graduate students only or consent of instructor. **Crosslisted:** GEP 337
Typically Offered Variable Intermittently
Grading: OPT

HIST 468 - Blacks in American History

Unit(s): 4 A study of African culture, social philosophy and political influences in the United States from the pre-Colonial period through the present day. Major emphasis will be placed on black political philosophies and strategies during the periods of Reconstruction, WWI and WWII, the civil revolts of the 1960s, and the contemporary period of political activism.

Typically Offered Variable Intermittently
Grading: GRD

HIST 469 - Religion in America

Unit(s): 4 An overview of religious beliefs, institutions, and practices from 1630 to the present. Covers major trends in American religion as well as fringe movements, examining the central questions of church and state, religious freedom, and the impact of democracy, science, consumer culture, and professionalization on religious life in America.

Typically Offered Variable Intermittently
Grading: OPT

HIST 470 - The American South

Unit(s): 4 A regional history of the southeastern United States. The course examines the South from its Native American origins to its antebellum opulence, from the devastation of the Civil War to the development of the modern Sun Belt. An important sub-theme of the class is the journey of African Americans.

Typically Offered Variable Intermittently
Grading: OPT

HIST 471 - The American West

Unit(s): 4 A regional history of the trans-Mississippi west. Major political, social, and economic events relating to the Western United States are explored.

Typically Offered Variable Intermittently
Grading: OPT

HIST 472 - California History I

Unit(s): 4 Study of California history from the period of European contact through the early years of the 20th century. Special attention is given to the origins, means, and consequences of Spanish expansion into Alta California, to the emergence of Mexican California and to its accelerated Americanization after the Treaty of Guadalupe- Hidalgo. The closing weeks of the course will include attention to themes that, though rooted in the earlier period, continue to shape present-day California. Among those themes are water policies, immigrations, and the consequences of California's great size and of its location on the Pacific.

Typically Offered Fall Only
Grading: OPT

HIST 473 - California History II

Unit(s): 4 Develops a historical perspective on major political, economic and social issues from the early 20th century "invention of California" through depression, war, and prosperity to the challenges of continuing growth and declining resources today.

Typically Offered Spring Only
Grading: OPT

HIST 476 - History of San Francisco

Unit(s): 4 This course explores the modern history of San Francisco, with particular emphasis on the period from the late 19th century to the present, covering the city's political, economic, cultural, and social evolution.

Typically Offered Variable Intermittently
Grading: OPT

HIST 477 - American Social History

Unit(s): 3-4 Selected review of the social history of the American peoples. Topics may include social mobility, class structure, social movements, gender roles, race and ethnicity, generational differences, the "American Dream," and individualism.

Typically Offered Variable Intermittently
Grading: OPT

HIST 482 - Judaism and Christianity in the Formative Period

Unit(s): 4 This course considers the history of Judaism and Christianity to the Council of Nicaea in 325 CE. Topics include: the diversity of ancient Judaism, the emergence of early Christianity ;the rise of Rabbinic Judaism and the organized Church ;and the Jewish-Christian debate in the first centuries after the death of Jesus.

Typically Offered Variable Intermittently
Grading: OPT

HIST 483 - Jews, Christians, and Muslims in the Medieval World, 300-1500

Unit(s): 4 This class will introduce the history of the relationships between Jews, Christians, and Muslims in the Middle Ages. Students will investigate the circumstances in which these groups interacted and consider related historical issues including the perception of minorities, migration and diaspora, acculturation and assimilation, religious violence, and war and peace.

Typically Offered Variable Intermittently
Grading: OPT

HIST 491 - Dual Language Historical Research

Unit(s): 1 History 491 is required for the Dual Language Historical Research Certificate. DLHRC students must take History 491 twice, Cr/NC, both times with a co-requisite 4-unit DLHRC elective course (see History Department website for courses) where a portion of the readings and research will be done in a language other than English.

Typically Offered Fall & Spring
Grading: CNC

HIST 495 - Special Studies

Unit(s): 1-4 Individualized studies in historical topics, themes, periods and/or areas beyond the scope of the established curriculum. Open from 1 to 4 units as determined by the department faculty sponsor. Not to be used as a substitute for HIST 498 Senior Seminar. For additional information, please refer to the catalog.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

HIST 496 - History Journal

Unit(s): 2 This class will cover all aspects of scholarly journal publication, including management, editing, setting

up and implementing an anonymous review system, selection of manuscripts, layout, budgeting, production, sales, and distribution. Students will publish the department student history journal as the final result.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

HIST 497 - Internship in History

Unit(s): 1-6 Field experience in city, county, state, and federal agencies and with private business and community organizations.

Prerequisite(s): prior arrangement with instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

HIST 498 - Senior Seminar

Unit(s): 4 Directed studies in a seminar setting on a particular topic or theme (please see Schedule of Classes for the specific topic selected by the instructor). Combines secondary reading and original research leading to the completion of a research project.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

HIST 499 - History Honors Seminar

Unit(s): 4 Individualized studies for advanced undergraduates with at least a 3.50 GPA who want graduate-level academic experience and the honors designation at graduation. Students develop a critical research project in cooperation with a faculty advisor, present their findings, and write a critique of another research paper.

Prerequisite(s): 3.50 GPA, completion of specific major courses, proficiency in a second language, and permission of instructor and advisor. This course is not part of major requirements. Consent of department required.

Typically Offered Fall & Spring

Grading: GRD

HIST 500 - Historical Methods

Unit(s): 4 Workshop course providing practice in archival research, oral history, descriptive statistics, cultural material analysis, and other historical techniques.

Typically Offered Spring Only

Recommended Recommended for new graduate students, including ITDS.

Grading: GRD

HIST 510 - Graduate Pro-Seminar

Unit(s): 4 Readings and projects on topics within a common frame of reference, as arranged by instructor and participating students.

Prerequisite(s): Class open to Graduate Students only

Typically Offered Fall Only

Grading: GRD

HIST 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator.

Typically Offered Fall & Spring

Grading: CNC

HIST 593 - Graduate Internship

Unit(s): 2-4 Experience in professional history, typically in museums, historical societies, and other public history settings, as well as junior college internship programs. Students will produce a professional product, such as a curated exhibit; a research report; a course syllabus; or finding aid.

Typically Offered Fall & Spring

Grading: CNC

HIST 595 - Special Studies

Unit(s): 1-4 Individualized studies in historical topics, themes, periods and/or areas beyond the scope of the established curriculum.

Prerequisite(s): graduate status and prior arrangement with faculty sponsor and graduate advisor.

Typically Offered Fall & Spring

Grading: GRD

HIST 596 - Research and Teaching Assistant

Unit(s): 1-2 Directed participation and experience in developing teaching methods, course organization, and research techniques.

Prerequisite(s): advanced graduate status and consent of instructor and graduate coordinator.

Typically Offered Fall & Spring

Grading: OPT

HIST 597 - Graduate Seminar: Historical Themes and Issues

Unit(s): 3-4 Advanced studies and/or research projects relating to students' theses or field exam topics. Emphasis upon professional historical writing.

Prerequisite(s): completion of 15 graduate course units and admission to candidacy. Non-majors only with permission of instructor.

Typically Offered Fall Only

Grading: GRD

HIST 598 - Comprehensive Examination Reading and Research

Unit(s): 3-6 Directed reading and research activities. Open only to graduate students with classified standing in history who have selected the comprehensive examination option for the M.A. degree. Preferably taken for credit during the semester in which the comprehensive examinations are scheduled.

Prerequisite(s): classified graduate standing in the history comprehensive option for the M.A. Should be taken for each of the two comprehensive examination fields for a total of 6 units.

Typically Offered Fall & Spring

Grading: GRD

HIST 599 - Masters Degree Thesis Research

Unit(s): 6 Extensive individual research and writing project under the direction of the student's thesis committee chair. Preferably taken for credit during the semester in which the M.A. thesis is scheduled for submission in final form.

Prerequisite(s): classified graduate standing in the history thesis option for the M.A. and an authorized Advancement to Candidacy form.

Typically Offered Fall & Spring

Grading: GRD

Interdisciplinary Studies

ITDS 498 - Internship

Unit(s): 1-4 An internship is a supervised program of work and study in a governmental, community service, technical, business, or educational setting. ITDS 498 (or ITDS 598) is designed for students in the Special Major/Interdisciplinary Studies program or in one of the faculty-initiated special majors. Forty-five hours of on-the-job work are required for each unit of credit.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit.

Grading: OPT

ITDS 499 - Senior Project

Unit(s): 3 A senior paper or project to be prepared under the supervision of the student's Faculty Committee. The senior paper or project should present the synthesis of the student's interdisciplinary program of study. The paper or project will be graded by the student's Faculty Committee and will be presented orally to the ITDS Committee at the completion of the student's senior year.

Typically Offered Variable Intermittently

Grading: GRD

ITDS 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator.

Typically Offered Variable Intermittently

Grading: CNC

ITDS 595 - Special Studies

Unit(s): 1-4 **Prerequisite(s):** approved status as a classified major in Interdisciplinary Studies.

Typically Offered Variable Intermittently

Grading: GRD

ITDS 598 - Internship

Unit(s): 1-4 An internship is a supervised program of work and study in a governmental, community service, technical, business, or educational setting. ITDS 498 (or 598) is designed for students in the Special Major/Interdisciplinary Studies program or in one of the faculty-initiated special majors. Forty-five hours of on-the-job work are required for each unit of credit.

Typically Offered Variable Intermittently
Grading: OPT

ITDS 599 - Master's Project

Unit(s): 6 For M.A. action for a viable future students only. Design and implementation of culminating project and written component.

Prerequisite(s): completion of individual study plan coursework and consent of student's graduate committee chair.

Typically Offered Variable Intermittently
Grading: GRD

ITDS 599A - Thesis and ITDS Research

Unit(s): 2-4 **Typically Offered** Variable Intermittently
Grading: GRD

ITDS 599B - Thesis and ITDS Research

Unit(s): 2-4 **Typically Offered** Variable Intermittently
Grading: GRD

Jewish Studies

JWST 200 - Introduction to Jewish Studies

Unit(s): 4 Introduction to Jewish Studies is an interdisciplinary survey course that introduces students to the culture, literature, history, philosophy, religion, and academic traditions of Jewish people from antiquity to the present. In this course, we will analyze how Jewish people have deployed a wide range of intellectual discourse to gain an understanding of the meaning of their identify as Jews. The course will also provide a historical overview of the Jewish Diaspora, from the Middle East to Africa to Europe to the Americas. The readings and class discussions will divide into three parts covering the ancient, medieval, and modern periods.

GE Category: Satisfies GE Area C2 (Literature, Philosophies and Values).

Typically Offered Variable Intermittently
Grading: GRD

JWST 241 - Jewish History I-From Biblical History to Diaspora Jews

Unit(s): 4 The course will explore the history of Jewish people from biblical times to the eve of modernity, and identify the key elements of their transformations from "biblical Israelites" to "Jews". It will address Jewish life and history, and readings will consist mostly of historical sources on Jewish culture, politics, economic activities, social and legal status, and the Jews' relations with non-Jews-Christians and Muslims.

Typically Offered Variable Intermittently
Grading: GRD

JWST 242 - Jewish History II-From the 16th Century to Modern Times

Unit(s): 4 The course will explore the history of Jewish people from late medieval/early modern times to modernity. It will address Jewish life and history, and readings will consist mostly of historical sources on Jewish culture, politics, economic activities, social and legal status, and the Jews' relations with non-Jews-Christians and Muslims. It will explore such issues in Jewish history as the Enlightenment, embourgeoisment, modern anti-Semitism etc. in both east and west. The course will require regular attendance and intensive reading of both primary and secondary sources.

Typically Offered Variable Intermittently
Grading: GRD

JWST 250 - Introduction to Judaism

Unit(s): 4 A survey of Jewish religious traditions from the Bible through the present day. Evolution of major religious ideas through classical texts.

Typically Offered Variable Intermittently
Grading: GRD

JWST 251 - Topics in Jewish Biblical Studies

Unit(s): 3-4 Introduction to the academic study of the Hebrew Bible (Old Testament) through a variety of scholarly approaches to the Bible, including historical and literary analysis. Emphasis is on developing skills in critical thinking, reading, and writing about the Bible. Students can repeat course for credit; topics will vary per semester.

Typically Offered Variable Intermittently
Grading: OPT

JWST 255 - Evolution of Anti-Semitism: through history, literature, religion and art

Unit(s): 4 This course will introduce the origins and background of anti-Semitism and the Jewish response over the last two-and-a-half millennia. It has been referred to as "the longest hatred." The long history of anti-Semitism can serve as a case study of and cautionary tale for how societies deal with xenophobia, bias and prejudice toward "the other."

GE Category: Satisfies GE Area C3
Typically Offered Variable Intermittently
Grading: GRD

JWST 324 - Archaeology and the Bible

Unit(s): 4 An exploration of the archaeology and history of the ancient Near East, from the earliest human settlements through the Persian empire (ca. 10,500-332 BCE). Societies described in the Hebrew Bible are emphasized, with topics ranging from the rise of the state and international trade, to the identities and everyday lives of men, women, and children. The history and socio-political impacts of "Biblical Archaeology" are also examined. Prerequisites: upper-division standing or consent of instructor.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only. **Crosslisted:** HIST 324
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face **Grading:** OPT

JWST 330 - American Jewish Experience

Unit(s): 4 The United States has been an extraordinarily hospitable place for Jews, and they quickly came to perceive it as a place unlike any other in the Diaspora. This course introduces students to the major events and issues in American Jewish history, exploring the creation and evolution of the American Jewish community through successive waves of immigration and examining the ways in which these immigrants constructed their American Jewish identities and the reactions of others to their entrance into American life.

Typically Offered Variable Intermittently
Grading: GRD

JWST 331 - Topics in Jewish American Studies

Unit(s): 3-4 An in-depth study of a particular aspect of the Jewish American experience. Course activities will include lecture, readings, and oral presentations.

Typically Offered Variable Intermittently
Grading: GRD

JWST 341 - Topics in Jewish History: Judaism and Christianity of the Greco-Roman Period

Unit(s): 4 Course will explore various topics in Jewish History. Content will vary per semester. Topics may include: History of Anti-Semitism, History of Judaism and Christianity, and Jewish World Cultural History.

Typically Offered Variable Intermittently
Grading: GRD

JWST 342 - The Jewish Diaspora

Unit(s): 4 Jews across the world are connected to one another through the religious tradition they hold in common and through a shared sense of identity as a people. Yet, over the past two millennia, Jewish peoples have also been shaped by their diaspora experiences. Scattered across the globe, their diverse histories and environments have given rise to a variety of Jewish religious, cultural and social forms. This course compares on Jewish life in Eastern Europe, North Africa, Central Asia, Israel and the United States. These select case studies will not provide a comprehensive view of the great range of Jewish diaspora life. They will, however, provide a framework for understanding some of the critical issues at stake in the discussion of the Jewish Diaspora experience, including: cultural and religious adaptability, social boundary flexibility and maintenance, and ambivalence surrounding the question of where home is.

Typically Offered Variable Intermittently
Grading: GRD

JWST 350 - Jewish Religion and Biblical Values

Unit(s): 3 This course explores the ideas -- religious and political -- and texts that have shaped Jewish thought and practice from its formation to the present.

Typically Offered Variable Intermittently
Grading: GRD

JWST 351 - Topics in Jewish Religion-Jewish Holidays

Unit(s): 4 This course is an in-depth study of the biblical and cultural significance of the major Jewish holidays and their practice around the world and throughout history. We will organize the course historically, beginning with the ancient legends that helped create the holidays before exploring their deployment over time, geography, and cultures. We will also look at the holidays as they have been interpreted by important Jewish thinkers throughout history and analyze the way ancient traditions both change and remain the same over time.

Typically Offered Variable Intermittently
Grading: GRD

JWST 352 - Topics in Jewish Thought-Good and Evil in Jewish Law

Unit(s): 4 The timeless problem of Good and Evil, a subject which has engaged philosophers, theologians, politicians, lawmakers, artists and lay people throughout human history, shall be examined in this course by various Jewish texts and thinkers. Commencing with biblical texts, we shall focus on people, customs and laws, proceeding with segments from the wisdom literature while carefully analyzing challenging issues of good and evil. Readings of rabbinical, medieval and modern texts on the subject of morality and evil will follow. The class will look at contemporary moral problems and relate them to the presented Jewish texts while attempting to apply and relate these texts to our present times.

Typically Offered Variable Intermittently
Grading: GRD

JWST 355 - Modern European Jewish History

Unit(s): 4 Since the fifteenth century, Europe has been the major cradle of Jewish civilization and culture. This class, beginning in 1492 and ending in the present, will focus on and examine Jews' place in European history and how Europe has functioned in Jewish history. Examining Jews communities and cultures in Germany, France, Spain, England, Eastern Europe, Russia, The Ottoman Empire and Turkey, and Greece. This course ends with an exploration of Jewish life and culture in Western, Central and Eastern Europe over the past sixty-five years.

GE Category: Satisfies GE Area D2
Typically Offered Fall Only
Grading: GRD

JWST 360 - Jewish Literature

Unit(s): 3 This course is a survey of Jewish literature with a strong emphasis on the historical and sociological trends informing the fiction. Through a wide variety of short stories and novels we will explore topics such as acculturation, family values, and anti-Semitism. The course begins with selections from writers who wrote in Yiddish, then turns to immigrant writers, and then finally to modern Diasporic writers.

Typically Offered Variable Intermittently
Grading: GRD

JWST 361 - Topics in Jewish Literature-Jewish Literature in Eastern Europe

Unit(s): 4 The emergence of a modern literary consciousness among the Jews was one of the results of the breakup of traditional Jewish society and the attempt to transform the Jews from a religious and cultural community that transcended national boundaries into citizens of the different countries in which they lived. This course explores these emerging forms as they were manifested in various languages including Hebrew, Yiddish, Polish and Russian. These works will be studied in English translation.

Typically Offered Variable Intermittently
Grading: GRD

JWST 371 - Topics in Jewish Studies-The Jewish Experience in the American South ("Shalom Y'all")

Unit(s): 3-4 This course explores ethnicity in the South and focuses on the experience of Jewish southerners. Since the arrival of Sephardic Jews in the late seventeenth and early eighteenth centuries, southern Jews have blended their regional identity as Jews and as Southerners. This course explores the "braided identity" of Jews in the South---their relationships with white and black Gentile southerners, their loyalty to the South as a region, and their embrace of southern culture through foodways and religious observance.

Typically Offered Variable Intermittently
Grading: GRD

JWST 381 - Topics in Jewish Art, Film, Music, Culture, and Society - Jews on Screen in the 20th Century

Unit(s): 3-4 This is a survey course focusing on motion picture images of Jews and Jewish life in 20th century America and the world. This course includes films made by Jews for Jewish audiences, films made by Jews for general audiences and films made by non-Jews for general audiences. This course explores the meanings of depictions of Jews in a diverse body of film material including feature films, documentaries, newsreels, travelogues, institutional films, and home movies.

Typically Offered Variable Intermittently

Grading: GRD

JWST 391 - Topics in Comp. Religion-Judaism, Christianity, and Islam

Unit(s): 4 This course is a comparative study of three important monotheistic religious traditions: Judaism, Christianity, and Islam. Readings and assignments focus on how each understood its origin and evolution and their similarities and differences in matters of scripture, worship, authority, community, theology, and mysticism. Although rooted in religious studies, this interdisciplinary course also explores the cultural and political elements that have framed relations between and within the three groups.

Typically Offered Variable Intermittently

Grading: GRD

JWST 421 - Topics in Israeli Art, Film, Music, Culture, & Society - Jerusalem in Israeli Cinema and Literature

Unit(s): 3-4 This course is aimed at students who are interested in studying Israeli society as expressed in literature and cinema. Jerusalem is prominently figured in the stories, poems, essays, and films of Israeli writers and filmmakers. The course will address the multifaceted, ambivalent, and at times, schizophrenic depiction of the city, not only in the overall body of Israeli literature and cinema, but, often, within a single work. The course will employ various literary and cinematic theories to expand our critical framework in the analysis of the works we will study. The course will explore the following topics: war and peace, religion and spirituality, symbolism and iconography, the Jerusalem Syndrome, home and exile, belonging and alienation.

Typically Offered Variable Intermittently

Grading: GRD

JWST 431 - Advanced Topics in Jewish American Studies-Orthodoxy in America

Unit(s): 4 This course will analyze the history of orthodox Jewry in America with a particular focus on how the Ashkenazic and Sephardic communities were formed in the United States and how these communities affected Jewish identity both here and abroad. We will focus on the personalities and the movements that were central to the creation of these communities.

Typically Offered Variable Intermittently

Grading: GRD

Kinesiology

KIN 101 - Physical Education Activities

Unit(s): 1-2 Activities classes. Classes are conducted in the following activities: aquatics (e.g., swimming, physical conditioning swimming, water polo, and scuba), individual sports (e.g., adapted activities, martial arts, tennis, indoor rock climbing), fitness (e.g., aerobics, conditioning, pilates, jogging/running and weight training), dance (e.g., recreational dance, yoga), outdoor activities, or team sports (e.g., basketball, soccer, softball, volleyball). Course offerings vary from semester to semester. Most sections meet twice weekly, with some sections meeting at specially arranged times according to the nature of the activity. Students may take, for credit, as many different 101 classes as desired.

Typically Offered Fall & Spring **May Be Repeated** The same 101 activity class may be repeated 3 times for credit up to 8 units.

Grading: CNC

KIN 201 - Foundations of Kinesiology

Unit(s): 3 This course is designed to orient students to kinesiology as a field of study. Students will be exposed to multiple disciplines within kinesiology. By engaging in discussions, activities, and field observations, students will explore and become prepared to select a career path within the field.

Prerequisite(s): Class open to Kinesiology majors only.

Typically Offered Fall & Spring

Grading: GRD

KIN 217 - Personal Fitness and Wellness

Unit(s): 3 Designed to introduce the concepts and practices involved in creating a personal life-long fitness and wellness program. General health topics will be emphasized, specifically cardiovascular fitness, nutrition, stress management, disease prevention, and current health trends and topics. Students will develop personal action plans for enhancing personal health and well-being.

Prerequisite(s): Course restricted to freshmen and sophomore students only.

GE Category: Satisfies GE Area E (Life Long Learning & Self Development).

Typically Offered Fall & Spring

Grading: GRD

KIN 230 - Introduction to Field Experience

Unit(s): 1-2 Provides lower-division students an opportunity to sample work experiences in a variety of settings in physical education, adapted physical education, athletic training, or exercise science. Thirty hours of supervised field work for each unit of credit. This course does not meet the field work requirement in the Kinesiology major concentrations.

Prerequisite(s): overall 2.0 GPA and departmental approval.

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit.

Grading: CNC

KIN 241 - Emergency Response

Unit(s): 3 Study of the principles and practical applications of advanced first aid techniques required to provide the initial emergency care necessary to sustain life and to maintain life support until the victims of accidents or sudden illness are cared for by qualified medical personnel.

Prerequisite(s): Kinesiology majors, BIOL 220.

Typically Offered Fall Only

Grading: GRD

KIN 242 - Principles of Musculoskeletal Injuries

Unit(s): 3 Designed to show students the proper methods of recognition, evaluation, and treatment of musculoskeletal injuries to the upper and lower extremities. Comprehension of anatomy, mechanism-of-injury, and pathology are stressed. Fee of \$10 required for this course.

Prerequisite(s): Kinesiology majors, BIOL 220.

Typically Offered Fall & Spring

Grading: GRD

KIN 290 - Introduction to Nutrition

Unit(s): 3 This course is designed to bridge the gap between nutrition science and consumer education so that students can apply the information to fit their lifestyles and health goals. Course objectives include understanding food requirements for different individuals, nutritive values of food, and the impact of food on health.

Crosslisted: NUR 290

GE Category: E - Life Long learning & Self Development

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Online **Grading:** Graded

KIN 301 - History and Philosophy of Human Movement

Unit(s): 4 An introduction to significant historical and philosophical considerations in the development of human movement. Contemporary philosophical issues as well as active physical participation with an experiential emphasis will be studied.

Prerequisite(s): Kinesiology majors, BIOL 220 and BIOL 224 and Junior standing, and consent of instructor for non-Kinesiology majors.

Typically Offered Fall & Spring

Grading: OPT

KIN 305 - Psychological Bases of Human Movement

Unit(s): 4 Introduction to psychological factors influencing learning and performing motor skills and the psycho-social influences of sport, exercise, and physical activity on the developing individual. Emphasis will be on the application of current motor learning and sport and exercise psychology theories on such topics as learning, motivation, goal setting, stress, anxiety, group dynamics, leadership, moral development, and exercise adherence.

Prerequisite(s): Kinesiology majors, BIOL 220 and BIOL 224, upper-division standing, and consent of instructor for non-Kinesiology majors.

Typically Offered Fall & Spring

Grading: OPT

KIN 311 - Selected Topics

Unit(s): 1-4 Selected upper-division courses that are taught on a one-time basis.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit under a different topic

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

KIN 315 - Sociology of Sport

Unit(s): 3 Examines and utilizes basic sociological concepts and demonstrates their manifestations in the teaching of physical education and sports.

Prerequisite(s): Kinesiology Majors, BIOL 220 and BIOL 224, ENGL 101 or ENGL 100B, Junior Standing, and consent of instructor for non-Kinesiology majors.

Typically Offered Fall & Spring

Grading: OPT

KIN 316 - Women in Sport: Issues, Images, and Identities

Unit(s): 3 This course is designed to introduce students to an overview of issues, images, and identities of women participating at various levels of sport in the United States. Attention will be given to the historical, social, political, and economic contexts that have influenced the American woman's experiences in sport.

Prerequisite(s): junior- or senior-standing or consent of instructor.

GE Category: Satisfies GE Area E (Life Long Learning & Self Development).

Typically Offered Not Recently Offered

Grading: GRD

KIN 317 - Nutrition for Physical Activity and Health

Unit(s): 3 This course examines the digestion, absorption, and metabolism of carbohydrates, lipids, proteins, vitamins and minerals. The role of energy balance, exercise and nutrition on body weight management, nutritional recommendations for the physically active person, eating disorders, nutritional ergogenic aids, and supplementations are examined.

Prerequisite(s): BIOL 224

Typically Offered Fall & Spring

Grading: GRD

KIN 350 - Biomechanics

Unit(s): 4 Presents the quantitative and qualitative analysis of human movement and the anatomic concepts needed for understanding human movement in relation to mechanical effects such as application of force in relation to center of mass, displacement, velocity, acceleration of bodies, and buoyancy. Emphasis is on understanding and application of principles to any movement pattern.

Prerequisite(s): Kinesiology majors, BIOL 220, BIOL 224, GE (B4) math, and Junior Standing. Consent of instructor for non-Kinesiology majors required.

Typically Offered Fall & Spring

Grading: OPT

KIN 360 - Physiology of Exercise

Unit(s): 4 Study of the acute and chronic effects of human activity and exercise. Laboratory and field experiences in selected areas, including exercise metabolism, skeletal muscle and cardiopulmonary physiology, body composition estimation, and nutrition as they pertain to clinical, fitness, and sports settings.

Prerequisite(s): Kinesiology majors, GE math, BIOL 220 and BIOL 224, and upper-division standing.

Typically Offered Fall & Spring

Grading: OPT

KIN 371 - Intercollegiate Baseball, Men

Unit(s): 1-2 Participation on intercollegiate baseball, men.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 372 - Intercollegiate Basketball, Men

Unit(s): 1-2 Participation on intercollegiate Basketball men.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 375 - Intercollegiate Soccer, Men

Unit(s): 1-2 Participation on intercollegiate Soccer, men.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: OPT

KIN 376 - Intercollegiate Tennis, Men

Unit(s): 1-2 Participation on intercollegiate tennis, men.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 377 - Intercollegiate Track and Field, Women

Unit(s): 1-2 Participation on Intercollegiate Track and Field ,Women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 378 - Intercollegiate Golf Men

Unit(s): 1-2 Participation on intercollegiate golf, men.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 381 - Intercollegiate Basketball, Women

Unit(s): 1-2 Participation on intercollegiate Basketball, Women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 382 - Intercollegiate Cross Country, Women

Unit(s): 1-2 Participation on intercollegiate Cross Country, Women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 383 - Intercollegiate Soccer, Women

Unit(s): 1-2 Participation on intercollegiate Soccer, Women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 384 - Intercollegiate Softball, Women

Unit(s): 1-2 Participation on intercollegiate softball, women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 385 - Intercollegiate Tennis, Women

Unit(s): 1-2 Participation on intercollegiate tennis, women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

KIN 386 - Intercollegiate Golf, Women

Unit(s): 1-2 Participation on intercollegiate golf, women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 387 - Intercollegiate Volleyball, Women

Unit(s): 1-2 Participation on intercollegiate Volleyball, Women.

Prerequisite(s): Intercollegiate Athlete RATH List

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

KIN 388 - Intercollegiate Women Water Polo

Unit(s): 1-2 Participation on intercollegiate women's water polo.

Prerequisite(s): Intercollegiate Athlete RATH List
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

KIN 395 - Community Involvement Program

Unit(s): 1-4 Provides majors and non-majors the opportunity to gain volunteer experience working with individuals with disabilities in designated on-campus and community placements involving physical activity. Thirty hours of verified, supervised work and scheduled meetings with the instructor are required for each unit of credit. Requirements include a daily journal and portfolio.

Prerequisite(s): permission of instructor.
Typically Offered Fall & Spring **May Be Repeated** Course may be repeated for credit.
Grading: CNC

KIN 400 - Elementary School Physical Education

Unit(s): 3 An introduction to and practice in applying the concepts and principles of developmentally appropriate physical education for children.

Prerequisite(s): upper-division Kinesiology majors or multiple-subject credential preparation candidates or by consent of instructor.
Typically Offered Fall & Spring
Grading: OPT

KIN 403 - Ethics, Inclusion, and Equity in Coaching

Unit(s): 3 This course educates future coaches on the moral and ethical dilemmas typically encountered in competitive athletics. Students will also develop strategies to address various forms of exclusion and inequity in sports and athletics.

Prerequisite(s): upper-division standing.
Typically Offered Spring Only
Grading: GRD

KIN 404C - Theory of Coaching

Unit(s): 3 A survey of issues encountered by coaches in all sports. Topics will include, but are not limited to, communication with players, colleagues, and administration; ethical issues and responsibilities; coaching philosophies; relations with media and community; time management; coach and athlete

motivation; mental training skills; and equipment and facilities management.

Prerequisite(s): Kinesiology majors, ENGL 101, upper-division standing, and consent of instructor for non-Kinesiology majors.
Typically Offered Fall Only
Grading: GRD

KIN 410 - Lifespan Motor Development

Unit(s): 3 Survey of the development of perceptual-motor function from birth through aging, with emphasis on gross motor performance.

Prerequisite(s): upper-division standing.
Typically Offered Fall & Spring
Grading: OPT

KIN 426 - Individualized Assessment and Program Design

Unit(s): 4 Selection, administration, and interpretation of motor assessment instruments. Planning and developing appropriate activities and programs to meet individual needs for children and adults with disabilities.

Prerequisite(s): KIN 410 and MATH 165 or 165B or consent of instructor.
Typically Offered Fall & Spring
Grading: OPT

KIN 427 - Individuals with Disabilities in Educational and Recreational Settings

Unit(s): 3 Exploration of the role of psychosocial context in the design and implementation of effective learning environments for youth and adults with disabilities, using service-learning pedagogy. Class open to juniors, seniors, and graduate students only.

Typically Offered Spring Only
Grading: GRD

KIN 430A - Field Experience in Physical Education

Unit(s): 1-3 Provides upper-division Kinesiology majors experiences in teaching in K-12 public or private school settings. Course requirements include a work journal, development of a personal portfolio, and verification of completion by immediate supervisor.

Prerequisite(s): Kinesiology majors, upper-division

standing, and a C average in major and support courses.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

KIN 430B - Field Experience in Interdisciplinary Studies

Unit(s): 1-3 Provides qualified upper-division students experience in an area related to their interdisciplinary concentration. Course requirements include the development of a personal portfolio, a log of completed hours, a daily journal describing experiences and duties, and verification of completion by immediate supervisor.

Prerequisite(s): completion of a minimum of three support and/or core courses related to the field experience; C average in major and support courses.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

KIN 430C - Field Experience in Adapted Physical Education

Unit(s): 1-3 Provides upper-division kinesiology majors specializing in adapted physical education an opportunity to work with individuals with disabilities in school or other settings. Course requirements include a daily journal, development of a personal portfolio, and verification of completion by immediate supervisor.

Prerequisite(s): KIN 325; C average in major and support courses.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

KIN 430D - Field Experience in Exercise Science

Unit(s): 1-3 Provides qualified upper-division students an opportunity to gain experience in either applied exercise physiology, biomechanics, or physical therapy. Course requirements include the development of a personal portfolio, a log of completed hours, a daily journal describing experiences, and verification of completion by immediate supervisor.

Prerequisite(s): completion of a minimum of three support and/or core courses related to the field experience; C average in major and support courses.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: CNC

KIN 430E - Field Experience in Lifetime Fitness

Unit(s): 1-3 Provide qualified upper-division students an opportunity to gain experience in private and public fitness settings. Course requirements include, but are not limited to a daily journal describing experiences, a log of completed hours, and verification of completion by an immediate supervisor.

Prerequisite(s): completion of a minimum of three support courses and/or core courses related to the field experience; C average in major and support courses.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

KIN 446 - Exercise Instruction

Unit(s): 3 This course provides each student with practical learning experiences designed to develop the skills needed to be a competent exercise instructor/leader. The course allows students to put into practice their knowledge of exercise from their previous major coursework in biomechanics, exercise physiology, and conditioning for performance and health. Students will be involved in group-centered instruction, field observation, laboratory experiences, and skill execution practicals.

Prerequisite(s): Kinesiology majors, BIOL 220, and BIOL 224 required.

Typically Offered Spring Only

Grading: GRD

KIN 460 - Conditioning for Performance and Health

Unit(s): 3 A review of methods for the conditioning of a broad range of people from exercising adults through competitive athletes. Emphasis during the first half of the semester will be on topics related to adult fitness, including cardiorespiratory fitness, resistive training, flexibility, weight management, and exercise for special populations. During the second half of the semester topics related to athletes will include endurance training, training for strength and power, nutritional considerations for athletes, and the use of various putative ergogenic aids.

Prerequisite(s): KIN 360, BIOL 220, BIOL 224 required.

KIN 495A - Special Studies in Physical Education

Unit(s): 1-4 Includes completion of a project designed to meet a specialized advanced study need. The student should have prerequisite skills. The project should be planned and described in writing, in consultation with and with the consent of the faculty advisor. There are four areas of study: 495A Special Studies in Physical Education, KIN 495C Special Studies in Adapted Physical Education, KIN 495D Special Studies in Exercise Science, and KIN 495E Special Studies in Lifetime Fitness.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

KIN 495C - Special Studies in Adapted Physical Education

Unit(s): 1-4 Includes completion of a project designed to meet a specialized advanced study need. The student should have prerequisite skills. The project should be planned and described in writing, in consultation with and with the consent of the faculty advisor. There are four areas of study: KIN 495A Special Studies in Physical Education, 495C Special Studies in Adapted Physical Education, KIN 495D Special Studies in Exercise Science; and KIN 495E Special Studies in Lifetime Fitness.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

KIN 495D - Special Studies: Exercise Science

Unit(s): 1-4 Includes completion of a project designed to meet a specialized advanced study need. The student should have prerequisite skills. The project should be planned and described in writing, in consultation with and with the consent of the faculty advisor. There are four areas of study: KIN 495A Special Studies in Physical Education, KIN 495C Special Studies in Adapted Physical Education, 495D Special Studies in Exercise Science, and KIN 495E Special Studies in Lifetime Fitness.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

KIN 495E - Special Studies: Lifetime Fitness

Unit(s): 1-4 Includes completion of a project designed to meet a specialized advanced study need. The student should have prerequisite skills. The project should be planned and described in writing, in consultation with and

with the consent of the faculty advisor. There are four areas of study: KIN 495A Special Studies in Physical Education, KIN 495C Special Studies in Adapted Physical Education, KIN 495D Special Studies in Exercise Science, and 495E Special Studies in Lifetime Fitness.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.
Grading: OPT

KIN 497 - Selected Topics in Kinesiology

Unit(s): 1-4 A single topic or set of related topics not ordinarily covered by the Kinesiology major curriculum.

May Be Repeated May be repeated for credit with a different topic.

Liberal Studies: Hutchins School

LIBS 100 - The Craft of Writing

Unit(s): 1-2 A course designed to help students who are experiencing difficulties with writing. While the craft of writing will be emphasized (punctuation, sentence construction, word choice, paragraph and essay organization, etc.), the course will also address how the craft of writing can become the art of persuasion and self-expression.

Prerequisite(s): Course restricted to LIBS majors and minors. **Co-requisite(s):** LIBS 101 or 102.

Typically Offered Not Recently Offered
Grading: GRD

LIBS 101 - The Human Enigma

Unit(s): 9 This class is designed to introduce you to the interdisciplinary work of liberal studies and the unique community of the Hutchins School. It concentrates on developing oral and written communication skills by analyzing examples drawn from the aesthetic works of diverse cultures, from ancient to modern civilizations.

Prerequisite(s): Course restricted to LIBS majors and minors. **Co-requisite(s):** LIBS 103

GE Category: This course fulfills GE Area C1 (Arts) and A2 (Written Communication), and GE Area A1 (Oral Communication).

Typically Offered Fall Only
Grading: CNC

LIBS 102 - In Search of Self

Unit(s): 9 This course focuses on the individual, exploring how personal history, unconscious processes, and political and historical environments shape the concept of the self. This course develops a fuller understanding of these influences through historical exploration and creative expression, employing materials drawn from psychology, sociology, literature, history, politics and the arts.

Co-requisite(s): LIBS 103

GE Category: C2 - Humanities

Typically Offered Spring Only

Teaching Mode: Face-to-Face

LIBS 103 - Introduction to the Hutchins School of Liberal Studies

Unit(s): 1 This course is designed to foster a supportive learning community among freshmen enrolled in LIBS 101 and LIBS 102

in the Hutchins GE Program. It provides mentoring, enhances academic/personal skills and knowledge about campus resources to facilitate successful transition from high school to college. Other aspects covered are major/career exploration, health/social issues, and diversity.

Typically Offered Fall & Spring **May Be Repeated** Yes
How many times?

1 **Maximum units for credit**

2

Teaching Mode: Face-to-Face **Grading:** C/NC

LIBS 160A - Humanities Learning Community

Unit(s): 4 LIBS 160A/LIBS 160B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Not Recently Offered

Grading: GRD

LIBS 160B - Humanities Learning Community

Unit(s): 4 LIBS 160A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year

student.

Prerequisite(s): Course restricted to LIBS Majors or Minors only. **Co-requisite(s):** LIBS 160A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Not Recently Offered

Grading: GRD

LIBS 201 - Exploring the Unknown

Unit(s): 9 An investigation of the meaning and limits of knowledge with respect to the nature of the mind and physical reality. These issues are pursued through several different but interrelated fields of study, including literature, art, philosophy, comparative religion, and science. The course considers Newtonian and quantum mechanical theories of physical reality, the religions of various cultures, and the functions of myth. The term includes a section focusing on the nature of human creativity.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

GE Category: This course fulfills GE Areas A3 (Critical Thinking), B1 (Physical Sciences), C2 (Philosophy, Languages).

Typically Offered Fall Only

Grading: OPT

LIBS 202 - Challenge and Response in the Modern World

Unit(s): 9 An examination of modern accomplishments and problems that have derived from several sources: the 18th century mechanical models, the Scientific and Industrial Revolutions, and the rise of modern economic theories. Asking how it is possible in the 21st century to live a moral life, the course examines the rise of individualism, the tension between personal and social values, the problems of poverty and the distribution of wealth, and the multiple consequences of modern technology upon the human and natural environments.

Prerequisite(s): Course restricted to LIBS majors and minors only. **Co-requisite(s):** LIBS 103

GE Category: B2 - Life Science, B3 - Laboratory Activity, D - Social Sciences, the U.S. Constitution, California State & Local Government, and Critical Race Studies graduation requirements.

Typically Offered Spring Only

Teaching Mode: Face-to-Face **Grading:** OPT

LIBS 204 - Minorities in American Cinema

Unit(s): 4 This course is designed to examine the fundamental beliefs, assumptions, and "self-evident" truths that serve as the foundation for American culture, and then to consider those truths in light of challenges provided by multicultural perspectives. Our primary focus will be the representations of racial minorities in American cinema from the beginning of the 20th century up to the present day. Applying an interdisciplinary and multicultural approach, we will investigate the depictions of race, racial identity, and interracial relationships in both mainstream (Hollywood) and alternative cinemas. We will supplement our inquiry through related works of literature and drama, in addition to readings in film theory, film history, and critical cultural studies. Thus, even as we consider the historical truths of American culture, these "truths" will be consistently interrogated and reformulated by examining the representations of minority figures and groups in American cinema.

GE Category: This course fulfills GE Area C1 (Fine Arts, Theatre, Dance, Music, Film) and Critical Race Studies.

Typically Offered Fall Odd Years

Grading: GRD

LIBS 205 - Topics in American Culture

Unit(s): 4 This course introduces students to important themes in American culture, literature, ethics, and values past and present, using the tools of interdisciplinary inquiry. We will explore a diverse range of textual representations and perspectives and integrate diverse disciplinary approaches together in order to reach a broad-based, humanistic understanding of the subject. Topics vary by instructor.

GE Category: This course fulfills GE area C2 (Humanities).

Typically Offered Fall Even Years

Grading: GRD

LIBS 208 - Practices of Culture

Unit(s): 4 This course surveys practices of culture through film and/or the visual arts, raising critical questions regarding the intersections of socio-cultural practices and the creative arts in a variety of geographical settings. Topics include artistic and documentary representations of self and other, global politics, popular cultures, and cross-

cultural challenges.

GE Category: This course fulfills GE area C1 (Arts).

Typically Offered Spring Odd Years

Grading: OPT

LIBS 209 - Bollywood and Globalization

Unit(s): 4 This course will examine some of the major social and economic changes that have occurred in India since the period of liberalization (1990s), and assess the ensuing representations of these shifts in contemporary Bollywood and Bollywood-inspired films.

GE Category: This course fulfills GE area C1 (Arts).

Typically Offered Spring Even Years

Grading: GRD

LIBS 302 - Introduction to Liberal Studies

Unit(s): 3 An interdisciplinary 'gateway course' examining the meaning of a liberal education, emphasizing seminar skills, oral and written communication, and introducing the portfolio. It is taken with LIBS 204, LIBS 205, or LIBS 304 (fall) or LIBS 208, LIBS 209 or LIBS 308 (spring) in the first semester of upper-division study. Students must earn a grade of C or higher to continue in Hutchins.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Fall & Spring

Grading: GRD

LIBS 304 - We Hold These Truths

Unit(s): 3 This course covers the US history content required for multiple subject teacher preparation. It is designed to examine fundamental beliefs, assumptions, and "self-evident" truths that serve as the foundation for American culture and politics, and then to consider those truths in light of challenges provided by multicultural perspectives.

Prerequisite(s): Course restricted to LIBS Track II and Track III students.

Typically Offered Variable Intermittently

Grading: GRD

LIBS 308 - The Practice of Culture

Unit(s): 3 This course is designed to raise critical questions regarding cultural practices in a variety of settings. Topics may include non-Western cultures, cross-

cultural issues, popular culture, and global politics.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Variable Intermittently

Grading: GRD

LIBS 312 - Schools in American Society

Unit(s): 3 Students will explore basic issues inside the American educational system while fulfilling the state-mandated classroom experience requirement for admission to the credential program.

Prerequisite(s): Course restricted to LIBS Track II and Track III students.

Typically Offered Fall Only

Grading: GRD

LIBS 320A - Elective Seminar Core A

Unit(s): 3 Courses under this core area focus on the relationship between the individual human societies. The moral and ethical underpinnings of our patterns of social interaction are investigated with special attention paid to how these affect race, gender, and class relations. Of particular importance to social scientists are questions concerning whether the goals of human dignity, political justice, economic opportunity, and cultural expression are being enhanced or destroyed by specific historical developments, cultural practices, economic arrangements, and political institutions. Examples of seminars in Core A: Postmodernism, Quest for Democracy, and Conspiracy Theories.

Prerequisite(s): Restricted to LIBS Majors and Minors, LIBS 202 or 302 required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

LIBS 320B - Elective Seminar Core B

Unit(s): 3 Included in this core area are courses that deal with science and technology and their relationship to the individual and society. Students build upon their understanding of the sciences and come to grips with some of the crucial issues posed by our culture's applications of science and technology. Students write on topics which address scientific aspects of social issues, the contribution science makes to understanding issues of personal concern, and science as a social endeavor. Examples of seminars in Core B: Health and Healing,

Machine as Metaphor, Global Food Web, and The Future of Energy.

Prerequisite(s): Restricted to LIBS Majors and Minors, LIBS 202 or 302 required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

LIBS 320C - Elective Seminar Core C

Unit(s): 3 Through the arts and humanities we explore what and why humans create. Courses focus on the broad range of experiences in novels, poetry, drama and other literary forms; the visual arts; languages; architecture; music; dance; the writings of philosophers; and the thought and literature of the world's religions. Study in the arts and humanities explores the inner world of creativity and individual values as well as the questions about how we arrive at a sense of meaning and purpose, ethical behavior, and a sense of beauty and order in the world. Examples of seminars in Core C: Earth Art, African Art, Memoir, Countercultures, and Minorities in American Cinema.

Prerequisite(s): Restricted to LIBS Majors and Minors, LIBS 202 or 302 required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

LIBS 320D - Elective Seminar Core D

Unit(s): 3 Courses in this core area deal with such issues as the study of biology as it relates to psychology, consciousness and perceptions of reality, meaning-making as a necessary human achievement, and identity formation as it is understood in the light of developmental psychology. Examples of seminars in Core D: Madness and Civilization, Death and Dying, Personal Geographies, and Empathy.

Prerequisite(s): Restricted to LIBS Majors and Minors, LIBS 202 or 302 required.

GE Category: This course fulfills GE Area E (The Integrated Person)

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

LIBS 321A - Elective Course in Core A

Unit(s): 3 Courses in this area satisfy seminar requirement

Prerequisite(s): Course restricted to LIBS Majors or Minors only. **Crosslisted:** ENGL 374

Typically Offered Not Recently Offered

Grading: GRD

LIBS 321B - Elective Course in Core B

Unit(s): 3 Courses in this area satisfy seminar requirement

Typically Offered Not Recently Offered

Grading: GRD

LIBS 321C - Elective Course in Core C

Unit(s): 3 A course in literary explorations that will include subjects not normally offered in the regular curriculum. Please see Schedule of Classes for current titles.

Prerequisite(s): Prerequisite: Restricted to LIBS Majors and Minors, LIBS 202 or 302 required.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: GRD

LIBS 321D - Elective Course in Core D

Unit(s): 3 Courses in this area satisfy seminar requirement

Typically Offered Not Recently Offered

Grading: GRD

LIBS 327 - Literacy, Language, and Pedagogy

Unit(s): 3 This course for pre-credential multiple subject students looks at the importance of literacy and language arts in the contemporary world, including the value of writing and literature in the classroom, as well as the significance of literacy as a broader educational and social issue. Students will develop a pedagogy of grammar, examine the use of literature and the written word in the classroom, and create and teach a classroom grammar lesson.

Prerequisite(s): Prerequisite: Course restricted to LIBS Track II and Track III students.

Typically Offered Fall & Spring

Grading: GRD

LIBS 330 - The Child in Question

Unit(s): 3 A close inspection of child development and elementary school pedagogy, emphasizing relevant social and cultural factors as well as major theoretical views of physical, emotional, and personality growth. Subjective views of childhood experience will be contrasted with observations. Readings from Erikson, Freud, Hall, Goodall, and others.

Prerequisite(s): Prerequisite: Course restricted to LIBS Track II and Track III students.

Typically Offered Fall Only

Grading: GRD

LIBS 336 - Special Topic Workshops

Unit(s): 1-4 Topics will vary from semester to semester.

Typically Offered Variable Intermittently **May Be Repeated** Course may be repeated for credit. Topics can only be repeated with permission.

Teaching Mode: May be offered through Special Sessions in a hybrid or online teaching mode. **Grading:** GRD

LIBS 341 - Zephyr Publication

Unit(s): 1 In this course we will be putting together a Volume of Zephyr, the Hutchins Literary Journal. Students will create the thematic structure and recruit written and visual work from the entire Hutchins Community (including lower- and upper-division students, faculty, staff, degree completion students, masters students, and alumni). Students will also make all decisions regarding selection and editing, as well as organization and layout. The semester will culminate with the publication and distribution of Zephyr and the organization of a public reading for the Hutchins community.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Spring Only **May Be Repeated** This course is repeatable.

Grading: GRD

LIBS 342 - Hutchins Community Art Show Preparation

Unit(s): 1 This course will give students a forum to create a Hutchins Community Art Showing. During class time, students will choose the dates and venue for the art showing, secure the necessary venue, publicize the event,

create a call for entries, process the entries, decide which entries will be shown, hang show, plan and conduct reception, take down show.

Typically Offered Fall Only **May Be Repeated** Course may be repeated for credit.

Grading: GRD

LIBS 361 - Hutchins Pedagogy Project

Unit(s): 2 The Hutchins Pedagogy Project workshop will combine project-based learning, Web CT, and in-class training to teach Hutchins students (future teachers) how to implement seminars and/or act as tutors in elementary, AVID, and high school classrooms. Hutchins students will use individual and small group work in addition to whole-class seminar discussions to increase critical thinking and collaboration skills of students in local Sonoma County classrooms.

Typically Offered Not Recently Offered

Grading: GRD

LIBS 380 - Identity and Society

Unit(s): 10 Looks at the changing self, drawing from psychological and sociological theory, as well as from literature, art, and biology. It includes autobiographical writing which places the personal process of self-discovery in the context of the broader frame of reference provided by the course readings.

Typically Offered Fall & Spring

Grading: Graded

LIBS 381 - Technology and the Environment

Unit(s): 10 Concentrates on some of the major environmental issues facing us: nature's capacity for regeneration; the relationship between the human environment and the physical environment; sustainability; and economic and political aspects of environmental issues.

Typically Offered Fall & Spring

Grading: Graded

LIBS 382 - Work and the Global Future

Unit(s): 10 Explores topics such as the global economy and its impact on societies around the world; the shift to a service- and information-based economy; the increasing distance between the haves and the have nots; and issues

of race, class, and gender in the workforce.

Typically Offered Fall & Spring

Grading: Graded

LIBS 390 - Independent Film Study

Unit(s): 1-2 Students will attend Sonoma Film Institute screenings or other film-related lectures or events on campus. Students will earn 1 unit of credit for every 6 film screenings attended. Students are also required to complete weekly reading assignments and submit a written film analysis incorporating these readings following each screening.

GE Category: Satisfies GE, category C1

Typically Offered Fall & Spring **May Be Repeated** Repeatable for up to 4 units.

Teaching Mode: Online **Grading:** CNC

LIBS 390 - SFI Film Study

Unit(s): 1-2 Students will attend Sonoma Film Institute screenings or other film-related lectures or events on campus. Students will earn 1 unit of credit for every 6 film screenings attended. Students are also required to complete weekly reading assignments and submit a written film analysis incorporating these readings following each screening.

Crosslisted: AMCS 390

GE Category: Satisfies GE, category C1

Typically Offered Fall & Spring **May Be Repeated** Repeatable for up to 4 units.

Teaching Mode: Online **Grading:** CNC

LIBS 392 - Performing Arts for Children

Unit(s): 2 Dance, music, and theatre are essential components of elementary education. Through hands-on studio work and lesson planning assignments, this course familiarizes undergraduates who intend to pursue a multiple subject teaching credential with the content knowledge necessary to prepare them to lead instruction in these subject areas.

Prerequisite(s): Course restricted to LIBS Track II and Track III students. **Crosslisted:** THAR 392

Typically Offered Fall & Spring

Grading: GRD

LIBS 396 - Field Study

Unit(s): 1-4 Field Study for juniors and seniors is a project conducted outside of the University classroom setting that is taken for credit/no credit. It may include work that is literally outside in the field, or other hands on experience (e.g., a research study). Field Study projects are co-designed by a student and a sponsoring faculty member; or a faculty member may design a project, with student participation solicited. A student consults with a faculty member on the project, develops a plan of study, including number of units, project outcomes, number of meetings with the faculty sponsor and deadline for completion. A Project Contract is submitted to Admissions after the beginning of the semester and before the last day to add classes. Consent of instructor.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Fall & Spring

Grading: CNC

LIBS 399 - Student-Instructed Course

Unit(s): 1-2 The Hutchins faculty welcome proposals from students in the final stages of the major who, in consultation with a faculty advisor, would like to design and offer an interdisciplinary seminar on a topic of special interest to them. Guidelines for student-instructed courses are available in the Hutchins office. Students may count two student-instructed courses as elective units in the Hutchins major.

Typically Offered Variable Intermittently

Grading: CNC

LIBS 403 - Senior Synthesis-Study Away

Unit(s): 4 A capstone course required for the Hutchins major. Drawing on the papers collected for his or her portfolio, the student prepares a major paper synthesizing aspects of that individual's own intellectual development. This is done in a study away situation. Also available for students choosing a minor in Hutchins. Department Permission Required.

Prerequisite(s): Class open to LIBS Major or Minor Seniors only.

Typically Offered Fall & Spring

Grading: GRD

LIBS 410 - Independent Study

Unit(s): 1-4 Independent Study for seniors is an individualized program of study taken for a letter grade

with a Hutchins faculty sponsor who is willing to supervise it. A student consults with a faculty member on a topic and develops a plan of study, including number of units, project outcomes, number of meetings with the faculty, and deadline for completion. A Project Contract is submitted to Admissions after the beginning of the semester and before the last day to add classes.

Prerequisite(s): LIBS 302 and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

LIBS 470 - Senior Project

Unit(s): 10 Allows you to combine your individual interests and goals with one or more themes from the core courses. Projects may be personal, community-based, or career-oriented, and you may work with a mentor to develop and implement your plan. This experience culminates in a formal presentation to your classmates.

Typically Offered Fall & Spring

Grading: Graded

LIBS 480 - Seminar Facilitation

Unit(s): 1-3 This course provides students with an opportunity to enhance their facilitation skills through serving as a seminar leader in large lecture/discussion courses. Requires consent of course instructor.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Fall & Spring **May Be Repeated** Course may be repeated for credit.

Grading: GRD

LIBS 497 - Modern Media Dialogue Series

Unit(s): 1 The Modern Media Dialogue Series will provide students the opportunity to learn about the many aspects and consequences of our media age, from journalism and censorship, to new forms of communication and information. Students will participate in a weekly dialogue with an invited guest and community members to deepen their understanding of modern media forms and practice.

Typically Offered Not Recently Offered

Grading: CNC

LIBS 499 - Internship

Unit(s): 1-5 All Track 1 students develop an internship working outside the classroom. Students also prepare a portfolio project based upon a larger topic implicit in their internship. They participate with other interns in an internship class once a week to discuss their internship experience and issues related to the larger society.

Prerequisite(s): Course restricted to LIBS Majors or Minors only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

Mathematics

MATH 035 - Elementary Algebra

Unit(s): 4 Real numbers, linear equations and inequalities, quadratic equations, polynomial operations, radical and exponential expressions. Prerequisite: placement based on ELM examination taken within the past two years. Course credit is not applicable toward graduation.

Prerequisite(s): Prerequisite: placement based on ELM examination taken within the past two years.

Typically Offered Fall Only

Grading: REM

MATH 045 - Intermediate Algebra

Unit(s): 4 Linear, quadratic, radical, rational, exponential, and logarithmic functions and their graphs. Conic sections. Prerequisite: MATH 35 or equivalent, or placement based on ELM examination taken within the past two years. Course credit is not applicable toward graduation.

Prerequisite(s): Prerequisite: MATH 35 or equivalent, or placement based on ELM examination taken within the past two years.

Typically Offered Fall & Spring

Grading: REM

MATH 100 - Explorations in Mathematical Thinking

Unit(s): 4 A 4-unit course focusing on mathematical practices, concepts and tools used across disciplines, and mathematical mindset and study habits. It includes proportional reasoning (working with percents and unit conversion), algebraic thinking, mathematical modeling (number sense, problem analysis, linear and exponential models), data analysis (collecting, organizing, and graphing

data), and logic.

Typically Offered Fall & Spring

Grading: GRD

MATH 103 - Ethnomathematics

Unit(s): 3 This course examines the mathematics of many indigenous cultures, especially those of North and South America, Africa, and Oceania. It will examine the use of mathematics in commerce, land measure and surveying, games, kinship, measurement of time, navigation, data storage, and other topics. The mathematics involved includes number bases, probability, geometry, number theory, lattice theory, and many other topics of interest in modern mathematics.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall Only

Recommended This class is recommended for liberal arts students who are interested in studying other cultures.

Grading: GRD

MATH 104 - Introduction to Modern Mathematics

Unit(s): 3 A class designed to explore the beauty and relevance of mathematics. Topics may include puzzles, paradoxes, and logic; axiomatic systems; biographies; infinity of the counting numbers and higher infinities; historical crises and breakthroughs in mathematics; and uncertainty.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring

Recommended This class is recommended for liberal arts students.

Grading: GRD

MATH 105 - Mathematics and Politics

Unit(s): 3 This course will explore mathematical achievements in the theory of politics. Topics may include: escalation, conflict, yes-no voting, political power, and social choice. This course has an enormous cultural

content, while at the same time dealing with important mathematical ideas. This class is especially suitable for social science students.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Spring Only

Grading: GRD

MATH 111 - Symmetry in the Arts and Sciences

Unit(s): 3 This class explores the symmetries that exist in art as well as the natural world around us, and how symmetry can be described in terms of mathematics. A central theme is the contribution of mathematics to other fields, such as architecture and decorative art, engineering of mechanical devices, music and dance, evolution and anatomy, crystallography, chemical bonding and atomic structure, philosophy, and mathematical proofs.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Spring Only

Grading: GRD

MATH 131 - Introduction to Finite Mathematics

Unit(s): 3 Designed to give students an understanding of finite mathematics applied in the modern world to social sciences, economic analysis, statistical analysis, and decision making. Topics include linear models, linear programming, financial mathematics, sets, combinatorics, probability, and statistics.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring

Recommended Recommended for students with interests in the social sciences and management.

Grading: GRD

MATH 131A - Finite Math for Business

Unit(s): 3 The first half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 131 (Finite Math) course, as well as providing just-in-time instruction in the algebra skills required in the course.

Prerequisite(s): Course restricted to Stretch Math eligible students.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Fall Only

Grading: CNC

MATH 131B - Finite Math for Business

Unit(s): 3 The second half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 131 (Finite Math) course, as well as providing just-in-time instruction in the algebra skills required in the course.

Prerequisite(s): Prerequisite: Math 131A.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Spring Only

Grading: GRD

MATH 141 - Studies in . . .

Unit(s): 3 Topics and approaches may vary. Please consult the current Schedule of Classes for details.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Not Recently Offered

Grading: GRD

MATH 142 - Discrete Structures I

Unit(s): 3 A study of discrete structures that have applications in computer science. Topics may include logic, introduction to number theory, methods of proof, mathematical induction, set theory, relations, functions, directed graphs, Boolean algebras, and combinatorics.

Typically Offered Fall Only

Grading: OPT

MATH 142E - Discrete Mathematics for Engineering

Unit(s): 2 The first portion of MATH 142: a study of discrete structures needed for electronics and communications engineering. Topics may include logic, proofs, mathematical induction, set theory, Boolean algebra, and combinatorics.

Typically Offered Fall Only

Grading: GRD

MATH 150 - Modern Geometry

Unit(s): 3 A study of Euclidean geometry. It will cover topics such as compass and straightedge constructions, proofs, parallel and perpendicular lines, triangles, circles, polygons, measurement, solids, transformations, tessellations, and the use of geometry software.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring

Grading: GRD

MATH 150A - Transformational Geometry

Unit(s): 3 The first half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 150 (Modern Geometry) course, as well as providing just-in-time instruction in the algebra skills required in the course. Successful completion of the two-semester sequence

Prerequisite(s): Course restricted to Stretch Math eligible students.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Fall Only

Grading: CNC

MATH 150B - Transformational Geometry

Unit(s): 3 The second half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 150 (Modern Geometry) course, as well as providing just-in-time instruction in the algebra skills required in the course.

Prerequisite(s): Prerequisite: Math 150A.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Spring Only

Grading: GRD

MATH 160 - Precalculus Mathematics

Unit(s): 4 Covers a brief review of college algebra; functional notation, composition, and decomposition of functions and inverse functions; behavior of families of functions such as polynomial, rational, exponential, and logarithmic; trigonometric functions, equations, and identities and some mathematical modeling. Emphasis on problem solving.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring

Grading: GRD

MATH 160W - Precalculus

Unit(s): 1 A workshop designed to be taken with MATH 160. Exploration of precalculus concepts through problem solving in a group setting.

Prerequisite(s): Math 160 is a corequisite. **Co-**

requisite(s): MATH 160.

Typically Offered Fall & Spring

Grading: CNC

MATH 161 - Differential and Integral Calculus I

Unit(s): 4 Calculus I includes limits, continuity, the concept of the derivative, differentiation rules, and applications of the derivative, including curve sketching, extremum problems, L'Hopital's rule, implicit differentiation, related rates, Mean Value Theorem, introduction to integration, fundamental theorem of calculus, and substitution.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring
Grading: GRD

MATH 161A - Functions and Rates of Change

Unit(s): 4 The first half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 161 (Differential and Integral Calculus 1) course, as well as providing just-in-time instruction in the algebra skills required in the course. Successful completion of the two-semester sequence

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Fall Only
Grading: CNC

MATH 161B - Functions and Rates of Change

Unit(s): 4 The second half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 161 (Differential and Integral Calculus 1) course, as well as providing just-in-time instruction in the algebra skills required in the course.

Prerequisite(s): Prerequisite: Math 161A.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Spring Only
Grading: GRD

MATH 161W - Calculus I Workshop

Unit(s): 1 A workshop designed to be taken with MATH 161. Exploration of first-semester calculus concepts through problem solving in a group setting.

Prerequisite(s): Concurrent enrollment in MATH 161 or MATH 161X

Typically Offered Fall & Spring
Grading: CNC

MATH 161X - Differential and Integral Calculus 1 Extended

Unit(s): 6 A 6-unit version of MATH 161 for students who feel that they need to refresh their algebra skills.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring
Grading: GRD

MATH 165 - Elementary Applied Statistics

Unit(s): 4 This course is a technology-intensive introduction to elementary statistics. Topics include: elementary descriptive and inferential statistics and their application to the behavioral, natural, and social sciences; sampling; special distributions; central limit theorem; estimation; tests of hypothesis; analysis of variance; linear regression; and correlation.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall & Spring
Grading: GRD

MATH 165A - Data Visualization and Analysis

Unit(s): 4 The first half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester MATH 165 (Elementary Applied Statistics) course, as well as providing just-in-time instruction in the algebra skills required in the course. Successful completion of the two-semester sequence

Prerequisite(s): Course restricted to Stretch Math eligible students.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Fall Only
Grading: CNC

MATH 165B - Data Visualization and Analysis

Unit(s): 4 The second half of a two-semester sequence that in two semesters covers the same material covered by the current one-semester Math 165 (Elementary Applied Statistics) course, as well as providing just-in-time instruction in the algebra skills required in the course.

Prerequisite(s): Prerequisite: Math 165A.

GE Category: Satisfies the GE B4 requirement (Mathematics/Quantitative Reasoning). C- or better required in the second semester for B4 credit.

Typically Offered Spring Only

Grading: GRD

MATH 165X - Elementary Applied Statistics Extended

Unit(s): 6 A 6-unit version of MATH 165 for first-time freshmen with an ELM score of 44, 46 or 48. Students who pass this class will receive credit for MATH 165 and will also satisfy their developmental mathematics requirement, without taking Math 45.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies the Area B4 GE requirement (Mathematics/Quantitative Reasoning). C- or better required for GE credit.

Typically Offered Fall Only

Grading: GRD

MATH 175 - Mathematics Colloquium

Unit(s): 1 A student taking this course will be required to attend all presentations in the M*A*T*H Colloquium series during the semester and, in addition, keep a journal.

Typically Offered Fall & Spring **May Be Repeated** May be taken three times for credit.

Grading: CNC

MATH 180 - Computing for Mathematics and Science

Unit(s): 2 This course will utilize a software system, such as Mathematica, to implement numerical, symbolic, and graphical computations useful in mathematics and science. It will also introduce students to procedural programming in that system.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MATH 185 - Selected Topics in Math

Unit(s): 1-5 Subject matter to be determined by instructor and may differ from semester to semester. The course title will appear on the student's transcript.

Typically Offered Fall & Spring **May Be Repeated** This course may be repeated with different subject matter for

up to 12 units.

Grading: OPT

MATH 195 - Special Studies

Unit(s): 1-4 Special Studies may be arranged to cover an area of interest not covered in the lower-division courses offered by the department.

Prerequisite(s): Prerequisite: a college-level math course and consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

MATH 200 - Discrete Mathematics

Unit(s): 3 Designed for elementary and middle school teachers, this course is a study of discrete mathematics with emphasis on its use in other areas of mathematics and in real world problems. Topics include selections from logic, proof, coding and cryptography, set theory, sequences, mathematical induction, combinatorics, graphs, and others as selected by the instructor.

Prerequisite(s): Prerequisite: Grade of C- of better in a GE mathematics class or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

MATH 210 - Introduction to Proof

Unit(s): 1 Introduction to propositional logic and methods of proof, including direct proof, indirect proof, proof by "pick-a-point," and proof by mathematical induction. Students construct and analyze conjectures and counterexamples, and analyze and write proofs. Topics will include basic set theory, function theory, and equivalence relations, and may include examples from elementary number theory, algebra, and geometry. Does not count toward the Mathematics major, but Satisfies the MATH 220 prerequisite for certain upper-division mathematics courses.

Prerequisite(s): Prerequisite: Completion of a GE math course and consent of instructor.

Typically Offered Not Recently Offered

Grading: CNC

MATH 211 - Differential and Integral Calculus II

Unit(s): 4 Calculus II includes the calculus of exponential and logarithmic functions, trigonometric and inverse trigonometric functions, numerical integration, techniques

of integration, introduction to applications of integration including volumes and probability distributions, differential equations, Taylor polynomials, L'Hopital's rules, improper integrals, series, and introduction to partial derivatives.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B required.

Typically Offered Fall & Spring

Grading: OPT

MATH 211S - Calculus II-S

Unit(s): 2 First half of MATH 211.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B required.

Typically Offered Fall & Spring

Grading: OPT

MATH 211SW - Calculus II-S Workshop

Unit(s): 1 First half of MATH 211W. A workshop designed to be taken with MATH 211S. Exploration of second-semester calculus concepts through problem solving in a group setting.

Prerequisite(s): Corequisite: MATH 211S **Co-requisite(s):** MATH 211S.

Typically Offered Fall & Spring

Grading: CNC

MATH 211W - Calculus II Workshop

Unit(s): 1 A workshop designed to be taken with MATH 211. Exploration of second semester calculus concepts through problem solving in a group setting.

Prerequisite(s): Corequisite: MATH 211

Typically Offered Fall & Spring

Grading: CNC

MATH 220 - Reasoning and Proof

Unit(s): 4 This course will teach students to analyze and evaluate scientific and rhetorical reasoning, with emphasis on the reasoning used in Mathematical proofs. Students will identify and evaluate unstated assumptions in statistical tables and charts from real-world media, submit coherent and original proofs of theorems, and develop verbal and non-verbal skills for making persuasive oral arguments and presentations on mathematical topics.

Prerequisite(s): Prerequisite: Grade of C- or better in (MATH 161 or 161X or 161B and a Math/Stats course numbered 200 or above) or CS 242, or consent of instructor.

GE Category: Satisfies GE area A3 (Critical Thinking).

Typically Offered Fall & Spring **May Be Repeated**

Repeatable for credit.

Grading: OPT

MATH 222 - Elementary Applied Linear Algebra

Unit(s): 3 A course in vector and matrix algebra applied to science and computing. Topics include systems of linear equations, determinants, Euclidean and general vector spaces, eigenvalues and eigenvectors, linear transformations.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 160 or 161 or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

MATH 241 - Linear Algebra with Applications in Differential Equations

Unit(s): 4 A course in vector and matrix algebra applied to the study of differential equations. Topics include vectors and matrices, linear independence, spanning, bases, linear transformations, first order differential equations and linear systems, phase planes, geometric and numerical methods.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 211.

Typically Offered Fall & Spring **May Be Repeated**

Repeatable for credit.

Grading: OPT

MATH 250 - Probability and Statistics for Future Teachers

Unit(s): 2 A study of elementary probability and statistics and their real-world contexts. Topics include the binomial distribution, conditional probability, expected value, data collection and sampling, measures of location and variability, estimation and simple hypothesis testing. The course is designed for teachers and may not be substituted for MATH 165.

Prerequisite(s): Prerequisite: Grade of C- of better in Math 300B or Math 161, Math 161B, or MATH 161X or consent of instructor.

Typically Offered Spring Only **May Be Repeated**

Repeatable for credit.

Grading: OPT

MATH 261 - Multivariable Calculus

Unit(s): 4 Multivariable calculus includes partial derivatives, multiple integrals, alternative coordinate systems, vector functions and their derivatives, line integrals, Green's Theorem, Stokes' Theorem, and Divergence Theorem.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 241 or MATH 211

Typically Offered Fall & Spring

Grading: OPT

MATH 265 - Intermediate Applied Statistics with SPSS

Unit(s): 4 This course is a technology-intensive examination of the application of statistical techniques to the real world using SPSS. The course extends the concepts learned in an elementary statistic course and introduces new topics; it is suitable for students with an interest in applying statistics to their field of interest. Topics selected from: theory of estimation, ANOVA (analysis of variance), multiple regression, principles of experimental design, sampling theory, time series analysis, non-parametric statistics, and multivariate analysis.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 165 or 165X or 165B or MATH 250, or instructor consent required.

Typically Offered Fall & Spring

Grading: OPT

MATH 295 - Community Involvement Program

Unit(s): 1-4 CIP involves students in basic community problems, performing such tasks as tutoring, coaching, and reading for the blind. Students receive 1 to 4 units, depending on the specific tasks performed. No more than 3 units of credit in CIP may be applied toward any Mathematics degree.

Typically Offered Variable Intermittently

Grading: CNC

MATH 300A - Elementary Number Systems

Unit(s): 3 This course, designed for prospective elementary and middle school teachers, explores numerical ideas underlying the K-8 mathematics

curriculum. The emphasis is on understanding the mathematical ideas and procedures, and on representing them in ways that children can understand. Alternative ways of representing and solving problems are encouraged. Problem solving and logical thinking are emphasized throughout.

Prerequisite(s): Course Prerequisite: Grade of C- or better in any course that meets GE Area B4 (Mathematical Concepts and Quantitative Reasoning),

Typically Offered Fall & Spring

Grading: OPT

MATH 300B - Data, Chance, and Algebra

Unit(s): 3 This course is designed for prospective elementary and middle school teachers. The focus in algebra is on patterns and functions, algebraic structure, representations and connections, and reasoning and problem solving. The focus in data and chance is on developing solid understanding of fundamental concepts and skills in statistics and probability, and on enhancing students' understanding and skills in number and computation proportional reasoning, and algebra.

Prerequisite(s): Course Prerequisite: Grade of C- or better in MATH 300A required.

Typically Offered Fall & Spring

Grading: OPT

MATH 303 - Interest Theory

Unit(s): 3 Basic interest theory, including patterns of growth, interest operations, basic applications, level payment annuities, non-level payment annuities, yield rates, amortization and sinking funds, and bonds.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 161 or 161B or 161X or equivalent, or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

MATH 306 - Number Theory

Unit(s): 4 Topics include mathematical induction, Euclidean algorithm, congruences, primes, fundamental theorem of arithmetic, Fermat's little theorem, Euler's theorem, primitive roots, quadratic reciprocity, and polynomials over the real numbers. Additional topics may include Pythagorean triples, the Goldbach conjecture, perfect numbers, amicable numbers, Chinese remainder theorem, Fibonacci numbers, cryptography, prime number

theorem, Möbius inversion.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 220 or MATH 142 or CS 242 required.

Typically Offered Spring Only **May Be Repeated**
Repeatable for credit.

Grading: OPT

MATH 308 - College Geometry

Unit(s): 4 Topics include neutral geometry, plane and solid Euclidean geometry, isometries in the Euclidean plane (transformational geometry), and hyperbolic geometry. Additional topics may include the Hilbert postulates, construction of geometries from fields, and projective geometry.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 220 or MATH 142 or CS 242 required.

Typically Offered Spring Only **May Be Repeated**
Repeatable for credit.

Grading: OPT

MATH 310 - History of Mathematics

Unit(s): 4 Mathematics from ancient times to the present. The student learns how to solve problems of the past using only the tools of the past. Students will complete a major project using adaptations of historical sources to link the history of mathematics to the teaching of mathematics.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B or consent of instructor required.

Typically Offered Fall Only **May Be Repeated**
Repeatable for credit.

Grading: OPT

MATH 316 - Graph Theory and Combinatorics

Unit(s): 4 A study of combinatorics, probability, and graph theory. Topics will include the elements of set theory, counting techniques such as permutations and combinations, discrete probability, Hamiltonian and Eulerian properties of graphs, graph isomorphism, coloring and planarity. Additional topics may include the pigeonhole principle, the inclusion-exclusion principle, generating functions, partitions and recurrence relations, Polya's theorem, matching, and trees, with applications in many disciplines. Students may not earn credit for both Math 316 and MATH 416.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 220 or MATH 142 or CS 242 or consent of instructor.

Typically Offered Spring Only **May Be Repeated**
Repeatable for credit.

Grading: OPT

MATH 320 - Modern Algebra I

Unit(s): 4 An introduction to the theory of groups, rings, and fields. Topics covered include permutation and cyclic groups, factor groups, ideals and factor rings, and isomorphism and homomorphism theory of groups and rings.

Prerequisite(s): Course Prerequisite: Grade of C- or better in MATH 220 or consent of instructor required.

Typically Offered Fall Only

Grading: OPT

MATH 322 - Linear Algebra

Unit(s): 4 Topics include vector spaces, linear transformations, matrices, linear equations, determinants, diagonalization, inner product spaces, and additional topics such as the Cayley-Hamilton Theorem, Singular Value Decomposition, or Canonical Forms.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 220 and (MATH 241 or MATH 222) or consent of instructor required.

Typically Offered Spring Only **May Be Repeated**
Repeatable for credit.

Grading: OPT

MATH 330 - Techniques of Problem Solving

Unit(s): 1 Cultivates by experience and example the mental disciplines for generating creative solutions to challenging problems. The problems to be considered will be taken largely from recent examinations in the William Lowell Putnam Mathematical Competition, sponsored by the Mathematical Association of America. No more than 4 units of credit in this course may be applied toward any Mathematics degree.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B or consent of instructor required.

Typically Offered Fall Only **May Be Repeated** May be taken four times for credit.

Grading: CNC

MATH 340 - Real Analysis I

Unit(s): 4 Topics may include construction of the real numbers, sequences, topology of the real numbers, metric spaces, continuity, the derivative, and the Riemann integral.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 220 and (MATH 241 or MATH 261) or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MATH 342 - Discrete Structures II

Unit(s): 3 A study of discrete structures that have applications in computer science. Topics will include combinatorics and counting, probability and statistics, matrices, recurrence relations, generating functions, and graph theory. Throughout the course, applications to computer science will be discussed.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 211 and one of the following: MATH 142 or MATH 200 or MATH 220, or consent of instructor.

Typically Offered Not Recently Offered

Grading: OPT

MATH 345 - Probability Theory

Unit(s): 4 Topics include probability spaces, discrete and continuous random variables, selected probability distributions for random phenomena, distributions of functions of random variables, moment generating functions, expected value, covariance and correlation, conditional expectation, law of large numbers and central limit theorem, and sampling distribution of estimators.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 261 or can be taken concurrently or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MATH 345E - Probability Theory for Engineering

Unit(s): 2 **Lecture:** 2 hours This is a two-unit one-half semester introduction to probability theory for Engineering students. Topics covered include basic set theory, probability, combinatorics, discrete and continuous random variables, probability distribution and density functions, first and second moments, and functions of random variables.

Prerequisite(s): Prerequisite: MATH 211 or consent of instructor.

Typically Offered Fall Only

Grading: GRD

MATH 352 - Numerical Analysis

Unit(s): 4 Selected numerical and iterative processes for solving mathematical problems and their applications. Topics include finding roots with bisection and Newton's method; solving systems of linear equations using LU decomposition and Gauss-Seidel methods; polynomial approximation using Taylor's Theorem, Lagrange interpolations, and the theory of spline functions; numerical integration using Simpson's rule and Gaussian integration; numerical solutions to ODEs using Euler's and modified Euler's method.

Prerequisite(s): Prerequisites: Grade of C- or better in MATH 241 (may take concurrently), MATH 180 or CS 115 or consent of instructor.

Typically Offered Fall Only **May Be Repeated**

Repeatable for credit..

Grading: OPT

MATH 367 - Statistical Consulting and Communication

Unit(s): 2 This course is a blending of theoretical and practical aspects of statistical consulting. Students learn how to consult with professionals in various fields, find creative statistical solutions to real-world problems, and present results in oral and written form. Students also learn about research and statistical software packages.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 265 or consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

MATH 375 - M*A*T*H Colloquium

Unit(s): 1 Students will be required to attend presentations, keep a journal, and write a significant paper on one of the presentations. No more than 3 units may be applied to the upper-division major or minor requirements. May not be taken concurrently with MATH 175.

Prerequisite(s): Class open to Juniors and Seniors only

Typically Offered Fall & Spring **May Be Repeated** May

be taken three times for credit.

Grading: OPT

MATH 381 - Computing for Statistics: SAS Programming Language

Unit(s): 2 Students will learn how to write SAS programs in order to perform data management tasks, statistical analysis, and to generate summary graphs and SAS reports. Topics include essential programming concepts (the environment and steps); typical data processing tasks; data management techniques (working with SAS libraries and different types of data, data set input and output, validation, merging, and subsets); statistical analyses (descriptive statistics, histograms and bar charts, k analysis of variance, regression analysis); and generation of SAS reports.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 265 or concurrent enrollment.

Typically Offered Spring Only

Grading: OPT

MATH 390 - Fieldwork and Seminar: Secondary Mathematics Teaching

Unit(s): 2 Forty-five hours of observation in middle school, junior high, and/or high school mathematics classrooms, plus a weekly seminar. Students begin to view school mathematics from the vantage point of a teacher. Intended primarily for Mathematics majors in the secondary teaching track or students considering a career in this field. This course satisfies the 45 hours of field observation Required for acceptance into SSU's Single Subject Credential Program, and initiates the development of the Mathematics Portfolio required for Mathematics majors in the secondary teaching track.

Prerequisite(s): Course Prerequisite: Grade of C- or better in MATH 161 or 161X or 161B or consent of instructor required.

Typically Offered Fall Only

Grading: CNC

MATH 395 - Community Involvement Program

Unit(s): 1-4 CIP involves students in the community performing such tasks as tutoring, coaching, and reading for the blind. Students receive 1 to 4 units, depending on the specific tasks performed. No more than 3 units of credit in CIP may be applied toward any Mathematics degree.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for a total of 6 units.

Grading: CNC

MATH 399 - Practicum in Mathematics

Unit(s): 1-4 Supervised unpaid instructional work experience in Mathematics. May include tutoring, assisting with classroom activities, and leading supplementary course workshops. Thirty hours of contact time is required for each unit. Does not count for credit in the major or the minor, except for one unit in the Integrated Program.

Prerequisite(s): Prerequisites: requires previous or concurrent enrollment in an upper-division mathematics course and consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for up to 4 units of credit.

Grading: CNC

MATH 416 - Graph Theory and Combinatorics

Unit(s): 4 A study of combinatorics, probability, and graph theory. Math 416 covers the same topics as MATH 316. Students taking Math 416 will work advanced problems from these topics and do a special research project which requires a significant paper and an oral presentation. Students may not earn credit for both MATH 316 and Math 416.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 142 or MATH 220 or CS 242 or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** Not repeatable for credit.

Grading: OPT

MATH 418 - Topology

Unit(s): 4 Topics include definition of a topology, open & closed sets, continuous mappings, subspaces, bases and subbases of a topology, compact topological spaces, separation axioms, connected, path connected, normal spaces, regular spaces, metric spaces, product spaces, and quotient spaces. Will also include homotopy, the fundamental group, and covering spaces as time permits. Theorems include the Urysohn lemma, Tietze Extension Theorem, and the Tychonoff Theorem.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 340 or consent of instructor. MATH 320 is recommended.

Typically Offered Spring Alternate Years **May Be**

Repeated Not repeatable for credit.

Grading: OPT

MATH 420 - Modern Algebra II

Unit(s): 4 A continuation of MATH 320. Advanced topics in the theory of groups, rings, and fields. Depth in Algebra at a level expected of entering graduate students.

Coverage will include topics such as the direct product of groups, finite Abelian groups, Sylow Theorems, unique factorization domains, field extensions, and Galois Theory.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 320 or equivalent.

Typically Offered Spring Alternate Years **May Be**

Repeated Not repeatable for credit.

Grading: OPT

MATH 430 - Linear Systems Theory

Unit(s): 3 Topics may include correlation, convolution, Fourier, Laplace and z-transform, difference equations, fast Fourier transforms, and state variable theory.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 241 or other differential equations course, or consent of instructor. **Crosslisted:** EE 400 and CES 400

Typically Offered Fall Only

Grading: OPT

MATH 431 - Applied Partial Differential Equations

Unit(s): 4 Topics covered in this course will include Introduction and Classification of PDEs, Mathematical models in physics and engineering, Theory and solution of quasilinear first-order PDEs, Power series solutions of an ODE, The Sturm separation theorem for second-order linear equations, Second-order linear and nonlinear PDEs including applications, Fourier series, boundary-value problems, Fourier and Laplace transforms, numerical methods and solutions, and approximation of solutions using the finite-difference method.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 241 and (MATH 180 or CS 115), or consent of instructor.

Typically Offered Spring Only **May Be Repeated** Not repeatable for credit.

Grading: OPT

MATH 440 - Real Analysis II

Unit(s): 4 Topics include sequences and series of functions, pointwise versus uniform convergence, power and Taylor series, Lebesgue measure, Lebesgue measurable functions and the Lebesgue integral. Additional topics may include the Weierstrass approximation theorem, orthogonal functions, Fourier series, square-integrable functions, sigma algebras of subsets, and general measure spaces.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 340 or consent of instructor.

Typically Offered Spring Alternate Years **May Be**

Repeated Not repeatable for credit.

Grading: OPT

MATH 441 - Operations Research

Unit(s): 3 A course in operations research and industrial problem solving. Topics may include optimization, simplex algorithm for linear programming, queueing theory, game theory, PERT least time path analysis, and mathematical modeling of industrial problems.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 345 and either MATH 241 or MATH 222 or consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

MATH 445 - Mathematical Statistics and Operations Research

Unit(s): 4 Topics include: properties of statistics, convergence in probability, theory of estimation and confidence intervals, Bayesian statistics, tests of significance, power and uniformly most powerful tests, random processes (with emphasis on queueing theory), and stationarity.

Prerequisite(s): Prerequisite: Grade of C- of better in MATH 345 or consent of instructor.

Typically Offered Spring Only

Grading: OPT

MATH 460 - Complex Analysis

Unit(s): 4 Topics will include the complex field, functions, limits, continuity, differentiation, the Cauchy-Riemann equations, conformal mappings, path integration, Cauchy's Integral Theorem and Integral Formulas, the Liouville Theorems, the Laurent Expansion, singularities, poles, residues, contour integration. Additional topics may include topics such as Mittag-Leffler's Partial-fractions

Theorem, and Riemann surfaces.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 340 or consent of instructor.

Typically Offered Spring Alternate Years **May Be Repeated** Not repeatable for credit.

Grading: GRD

MATH 465 - Experimental Design and Regression Analysis

Unit(s): 4 Advanced course in simple and multiple linear regression analysis; nonlinear and nonparametric regression analysis. Design of experiments and analysis of variance including one-way, two-way and block design; nonparametric techniques and multiple comparison methods.

Prerequisite(s): Prerequisite: Grade of C- or better in (MATH 241 or MATH 222) and in MATH 265 and MATH 345 or consent of instructor.

Typically Offered Spring Only

Grading: OPT

MATH 467 - Statistical Consulting, Communication, and Project Management

Unit(s): 2 This course is a blending of theoretical and practical aspects of statistical consulting. Students learn how to consult with professionals in various fields, find creative statistical solutions to real-world problems and present results in oral and written form. Students also learn about research and statistical software packages. MATH 467 covers the same topics as MATH 367. In addition, students taking MATH 467 will also learn how to oversee a statistical project completed by a team.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 367 or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

MATH 470 - Mathematical and Statistical Modeling

Unit(s): 4 The process of expressing scientific principles, experiments, and conjectures in mathematical terms. Topics include: gathering reliable data, exposing underlying assumptions, variables, relationships, levels, refining of models, and stochastic models. Deterministic vs. stochastic, discrete vs continuous, and deductive vs statistical models. Applications to biology, physics, chemistry, geology, social science and environmental sciences.

Prerequisite(s): Prerequisite: Grade of C- or better in MATH 211 or consent of instructor.

Typically Offered Fall Only **May Be Repeated** Not repeatable for credit.

Grading: OPT

MATH 485 - Selected Topics in . . .

Unit(s): 1-3 Subject matter and number of units to be determined by the instructor and may differ from semester to semester. Some of the possible areas of study are multivariable analysis, calculus of variations, convex geometry, differentiable manifolds, graph theory, Galois theory, algebraic topology, and integral equations.

Typically Offered Variable Intermittently **May Be Repeated** This course may be repeated for up to 6 units. The course title will appear on the student's transcript.

Grading: OPT

MATH 490 - Capstone Seminar: Secondary Mathematics Teaching

Unit(s): 1 Seminar focusing on connections among undergraduate coursework, secondary school curriculum, and learning and teaching mathematics. Students present their completed Mathematics Subject Matter Program portfolios for final evaluation. Students draw upon their portfolios, experiences, and readings in mathematics education to present information and engage fellow students in discussion of relevant issues.

Prerequisite(s): Prerequisite: Senior Standing or consent of instructor.

Typically Offered Spring Only

Grading: CNC

MATH 495 - Special Studies

Unit(s): 1-4 **Prerequisite(s):** Prerequisite: a lower-division math course and consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

MATH 496 - Proseminar in Mathematics

Unit(s): 1-3 A mutual exploration of selected current issues in mathematics by members of the Mathematics faculty and Mathematics majors. Non-majors may enroll by permission of the instructors.

Prerequisite(s): Class open to Juniors and Seniors only
Typically Offered Variable Intermittently
Grading: OPT

MATH 499 - Internship in Mathematics

Unit(s): 1-3 Field experience in mathematics, computer science, or statistics.

Typically Offered Variable Intermittently
Grading: CNC

MATH 595 - Special Studies in Mathematics

Unit(s): 1-4 Subject matter and number of units to be determined by instructor and may differ from semester to semester. The course title will appear on the student's transcript.

Typically Offered Variable Intermittently **May Be Repeated** This course may be repeated with different subject matter for up to 12 units.
Grading: OPT

Modern Languages and Literatures

MLL 161A - Behind the Scenes: Global Perspectives through Film

Unit(s): 2 MLL 161A/MLL 161B is a year long course, which, combined with FR 101, GER 101, or SPAN 201, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy GEA3 (Critical Thinking) from MLL 161A/B and GEC3 (Comparative Perspectives and/or Foreign Languages) from the language course. C- or better required in the second semester for A3 credit.
Typically Offered Fall Only
Grading: GRD

MLL 161B - Behind the Scenes: Global Perspectives through Film

Unit(s): 2 MLL 161A/B is a year long course, which, combined with FR 101, GER 101, or SPAN 201, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy GEA3 (Critical Thinking) from MLL 161A/B and GEC3 (Comparative Perspectives and/or Foreign Languages) from the language course. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only
Grading: GRD

MLL 214 - World Literatures in English

Unit(s): 4 Introduction to selected works of world literature from Asia, Africa, Europe, North America, Latin America and Mexico, and from the classic literatures of Greece and Rome. Background lectures on literature, literary genres, and the different cultural histories will be given. Basic techniques of reading, analysis, and composition will be emphasized.

Prerequisite(s): ENGL 101.
GE Category: Satisfies GE Area C2 (Literatures, Philosophies, and Values).
Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: OPT

MLL 273 - World Literatures: Critical and Creative Readings

Unit(s): 4 This course explores world literature and its relationship to the history, culture, and society from which it originates. Topics may include western and non-western cultural and religious values, colonialism versus emerging nationalisms, and the quest for personal, cultural, and national identities. Techniques of reading, analysis, research and creativity will be emphasized.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.
GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.
Typically Offered Fall & Spring
Grading: GRD

MLL 314 - World Literatures in English Translation

Unit(s): 4 Studies in French-speaking Caribbean, African, Near Eastern, Asian, and/or North American literatures in English translation. Topics may include non-Western cultural and religious values, colonialism versus emerging nationalisms, and the quest for identity, personal, cultural, and national. May qualify as a Writing Intensive Course

(WIC).

Prerequisite(s): completion of GE Area A.

GE Category: Satisfies GE Area C2 (Literature, Philosophies and Values).

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: GRD

MLL 450 - Foreign Language Teaching Seminar

Unit(s): 2-4 This course is designed as a seminar and Practicum to teach students to facilitate intensive language learning in a small-group setting. Students study the theory and practice of language learning and teaching while serving as a Peer Language Facilitator (PLF) for language learners enrolled in lower division classes.

Prerequisite(s): instructor consent.

Typically Offered Fall & Spring

Grading: GRD

Music

MUS 101 - Introduction to Music

Unit(s): 3-4 What does music mean? Why does music matter? These questions will shape the development of listening tools and cultural perspectives appropriate to the diverse and changing roles music plays in different times and places. No prior background in music is required.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and/or Foreign Languages).

Typically Offered Not Recently Offered

Grading: OPT

MUS 105 - Music Theory for Non-Majors

Unit(s): 4 Through writing and analysis, this course incorporates the following concepts: rhythm and meter, basic properties of sound, intervals, diatonic scales and triads, diatonic chord progressions, basic cadential formulas, melodic and phrase structure, dominant seventh, and the use of music notation software. Not open to Music majors.

GE Category: Satisfies GE Area C1 (Applied Arts Combining Studio and Theory).

Typically Offered Spring Only

Grading: OPT

MUS 106 - Fundamentals of Music Theory

Unit(s): 3 Intensive practice in developing skill and fluency reading music notation. Aural and written practice recognizing, writing, and using intervals, scales, and key signatures. Beginning sight-singing and dictation using simple pitch and rhythmic materials. Should be taken concurrently with MUS 109. Restricted to Music majors and minors; open to non-majors only with consent of instructor.

Prerequisite(s): Course restricted to MUS majors and minors only.

Typically Offered Fall Only

Grading: OPT

MUS 109 - Intensive Keyboard Lab I

Unit(s): 2 Beginning class piano studies for Music Majors.

Prerequisite(s): open to Music majors and minors only and recommendation of a music advisor.

Typically Offered Fall Only

Grading: OPT

MUS 110 - Theory I: Diatonicism

Unit(s): 3 This course incorporates the concepts from MUS 105. In addition, through writing and analysis, the course will include: introduction to sequence, secondary dominants, modulation to closely related keys, secondary leading tones, diminished seventh and non-dominant 7th chords, and borrowed chords will be addressed. Figured bass, non-harmonic tones, melodic and phrase structure, and voice leading involving 4 part choral writing. Use of music notation software. A concurrent laboratory experience in ear training and sight-singing including melodic, harmonic, and rhythmic dictation is required. See Ear Training I.

Prerequisite(s): MUS 105 or MUS 106, or consent of instructor.

Typically Offered Spring Only

Grading: OPT

MUS 115 - Vocal Methods

Unit(s): 1 Group and individual explorations of the fundamental techniques of singing. Develop strategies to address tone production, breath control, diction, repertory, and interpretation. Music Education students learn basic vocal pedagogy. Offered for upper-division credit as MUS 415 with additional course requirements.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 118 - Guitar Methods

Unit(s): 1 An exploration of basic performance techniques, and pedagogy and teaching strategies for guitar. Offered for upper-division credit as MUS 418.

Prerequisite(s): consent of instructor.

Typically Offered Spring Odd Years **May Be Repeated**

May be repeated for credit with consent of instructor.

Grading: OPT

MUS 120 - Musicianship I

Unit(s): 2 Development of sight-singing and dictation skills using pentatonic and diatonic materials. Techniques include moveable-do solfa, drills in intervals, triads, and dictation, augmented by computer software and group work. Also emphasizes development of broad listening skills, using examples of great works based upon simple diatonic melodies.

Prerequisite(s): MUS 106 or equivalent.

Typically Offered Spring Only

Grading: OPT

MUS 122 - Strings Methods I (Violin/Viola)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching violin and viola in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Fall Even Years **May Be Repeated**

May be repeated for credit with consent of instructor.

Grading: OPT

MUS 123 - Woodwinds Methods I (Clarinet/Saxophone)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching clarinet and saxophone in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Spring Even Years **May Be**

Repeated May be repeated for credit with consent of instructor.

Grading: OPT

MUS 123 - Woodwinds Methods I (Clarinet/Saxophone)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching clarinet and saxophone in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Spring Even Years **May Be**

Repeated May be repeated for credit with consent of instructor.

Grading: OPT

MUS 124 - Brass Methods I (Trumpet/Trombone)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching trumpet and trombone in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Fall Odd Years **May Be Repeated**

May be repeated for credit with consent of instructor.

Grading: OPT

MUS 124 - Brass Methods I (Trumpet/Trombone)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching trumpet and trombone in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Fall Odd Years **May Be Repeated**

May be repeated for credit with consent of instructor.

Grading: OPT

MUS 129 - Percussion Methods

Unit(s): 1 An exploration of basic performance techniques, and pedagogy and teaching strategies associated with standard percussion instruments. Offered for upper-division credit as MUS 429.

Prerequisite(s): consent of instructor.
Typically Offered Spring Odd Years **May Be Repeated** May be repeated for credit with consent of instructor.
Grading: OPT

MUS 133 - Private Instruction-Strings

Unit(s): 1 Private instruction on one instrument.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 134 - Private Instruction-Woodwinds

Unit(s): 1 Private instruction on one instrument.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 137 - Private Instruction-Brass

Unit(s): 1 Private instruction on one instrument.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 138 - Private Instruction-Percussion

Unit(s): 1 Private instruction on percussion instruments.

Prerequisite(s): audition.
Typically Offered Spring Only **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 139 - Private Instruction-Keyboard

Unit(s): 1 Private instruction on one keyboard instrument.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 141 - Private Instruction-Voice

Unit(s): 1 Private voice instruction. Advanced individual study of voice.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 143 - Private Instruction-Guitar

Unit(s): 1 Private guitar instruction.

Prerequisite(s): audition.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 147 - Applied Music Studies

Unit(s): 1 Advanced individual study of instrument or voice. Instructor permission required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: GRD

MUS 149 - Rehearsal Observation Series

Unit(s): 1 The Rehearsal Observation Series is a Credit / No Credit course, which brings students to the forefront of the music making process. It corroborates the "doing/experiencing" philosophy of the music department, linking that directly to curriculum. It helps non-musicians particularly understand how this mystery that is music actually works. Rehearsal observations occur on a regular basis. Attendance is mandatory and a required Rehearsal Observation Form is submitted after each rehearsal.

GE Category: Satisfies GE, category C1.
Typically Offered Fall & Spring
Grading: CNC

MUS 150 - Survey of U.S. Music

Unit(s): 3 An introductory course with lectures and demonstrations dealing with the broad range of music in the United States from the Colonial period to the present.

GE Category: Satisfies GE Area C1 (History of the Fine Arts).
Typically Offered Fall & Spring
Grading: OPT

MUS 151 - Repertory Class

Unit(s): 1 This class provides an opportunity for students to perform their repertory in a group setting. Private instruction faculty and guest artists coach students in technique, interpretation, and presentation. Classes are normally offered for voice and classical instrumental. Also offered for upper-division credit as MUS 451.

Prerequisite(s): Course restricted to Music Majors only.

Co-requisite(s): concurrent enrollment in appropriate private instruction course.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 159 - Audio and Recording Production I

Unit(s): 1 Fundamentals of audio and recording production in a studio and of live performances. Discussion and demonstrations of major types of software and/or hardware used in the production of music including creative and innovative methods. Students will develop skills in all phases of studio and live performance operation and will complete a number of individual projects.

Typically Offered Fall Only

Recommended Strongly recommended for music composition students.

Grading: GRD

MUS 160A - Humanities Learning Community

Unit(s): 4 MUS 160A/B is a year-long course that features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

MUS 160B - Humanities Learning Community

Unit(s): 4 MUS 160A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): MUS 160A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

MUS 189 - Jazz Improvisation I

Unit(s): 2 An exploration and development of basic jazz vocabulary, including scales, chords, rhythm, and techniques used in melodic improvisation.

Prerequisite(s): MUS 105, MUS 106, and consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 199 - Student-Instructed Course

Unit(s): 1-3 Topic will differ each semester.

Typically Offered Not Recently Offered

Grading: CNC

MUS 201 - Music in Action

Unit(s): 4 Experience live classical, jazz, and world music performances created by today's musicians, students, and professionals. In-class discussions allow students to build a vocabulary about the performances they will review. The capstone experience is a small group presentation on an area of music mutually chosen. Attendance is required at seven on-campus, free-admission performances.

GE Category: Satisfies GE Area C3.

Typically Offered Spring Only

Grading: OPT

MUS 209 - Intensive Keyboard Lab II

Unit(s): 2 A continuation of work begun in MUS 109.

Prerequisite(s): MUS 109, or consent of the instructor.

Typically Offered Spring Only

Grading: OPT

MUS 210 - Theory II: Chromaticism

Unit(s): 3 This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include: Neapolitan and augmented sixth chords; chromatic harmony; altered chords and dominants; mixture chords; modulation to distantly related keys; 9th, 11th, and 13th chords; melodic, phrase, and theme structure; and voice leading involving four part choral writing. Use of music notation software. A concurrent laboratory experience in ear training and sight-singing including melodic, harmonic, and rhythmic dictation is required. See Musicianship II.

Prerequisite(s): MUS 110 or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MUS 212 - Jazz Harmony and Arranging I

Unit(s): 3 Study of basic melodic and harmonic materials commonly used in jazz. Application through arranging projects for small jazz groups.

Prerequisite(s): MUS 110 or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MUS 220 - Musicianship II

Unit(s): 2 Continuation of Musicianship I. Sight-singing progresses to two-, three-, and four-part music, incorporating the most common chromatic tones. Dictation focuses upon triad inversions and seventh chords, continuing development of melodic and rhythmic dictation skills, and the introduction of polyphonic dictation. Students learn examples from great works to improve listening skills.

Prerequisite(s): MUS 120 or equivalent.

Typically Offered Fall Only

Grading: OPT

MUS 227 - Concert Band

Unit(s): 1-2 The Concert Band is an intermediate level ensemble that provides students with opportunities to continue performing on woodwind, brass or percussion instruments. Enrollment is open to all SSU students and community members, regardless of skill level. No audition is required. The ensemble typically performs 1-2 concerts per semester.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: OPT

MUS 250 - Survey of European Music

Unit(s): 3 An introductory course with lectures and demonstrations dealing with classical European music from the Middle Ages to contemporary music.

GE Category: Satisfies GE Area C1 (History of the Fine Arts).

Typically Offered Variable Intermittently

Grading: OPT

MUS 251 - History of Western Music, Ancient World to 1750

Unit(s): 3 History of Western music from the ancient world to 1750. The course examines the evolution of musical genres and styles, from the ancient Greeks and the earliest plainchant of the Medieval church to the intricate polyphony of the High Baroque including the music of Bach and Handel. Listening and analytical study of specific compositions requires the student to have a working knowledge of musical notation and theory. Restricted to music majors and minors; open to non-majors only with the consent of the instructor.

Prerequisite(s): MUS 110, or consent of the instructor.

Typically Offered Fall Only

Grading: OPT

MUS 259 - Music Technology: Tools and Applications

Unit(s): 2-3 A hands-on survey of hardware and software resources for music notation, midi sequencing, digital recording and synthesizer operation. The focus will be on building basic skills for using these tools in real-world situations.

Typically Offered Fall Only

Grading: OPT

MUS 273 - Music and Society: Critical Readings and Reception

Unit(s): 4 This course explores the connections between music and the sociopolitical and cultural trends of a given era, or theme involving the consideration of musical compositions, historical texts, and performance practice.

Prerequisite(s): completion of GE Category A2 (ENGL

101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: GRD

MUS 289 - Jazz Improvisation II

Unit(s): 3 Basic voiceleading techniques for improvising on common functional chord progressions: blues, "Rhythm" changes, and various "standards."

Prerequisite(s): MUS 110 and MUS 189, or consent of instructor.

Typically Offered Spring Only

Grading: OPT

MUS 292 - Jazz Piano I

Unit(s): 1 An introduction to jazz improvisation at the keyboard. Emphasis is placed on developing skill in reading lead sheets, in chord substitution and voicing at the keyboard, and in creating an improvised "piano trio" texture.

Prerequisite(s): MUS 209 or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MUS 300 - Seminar

Unit(s): 3 An intensive study, for Music majors, of the history, theory, or research methodology of a specific topic in music.

Prerequisite(s): 9 units of theory, or consent of instructor. **Co-requisite(s):** concurrent enrollment in MUS 320

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit under different subtitles.

Grading: GRD

MUS 309A - Keyboard Proficiency Lab

Unit(s): 1 Intermediate Level class in piano with emphasis on classical music.

Typically Offered Fall Only

Grading: OPT

MUS 309B - Keyboard Proficiency Lab

Unit(s): 1 Continuation of MUS 309A with more advanced studies of keyboard classical music.

Typically Offered Spring Only

Grading: OPT

MUS 310 - Theory III: Form and Analysis

Unit(s): 3 This course incorporates the concepts from Music Theory I and II. In addition, through analysis from the macro to the micro large-scale form, orchestration, motive identification and tracking, detailed harmonic progression (sonorities, functions, and modulation types) are studied. Variation techniques, binary and ternary forms, sonata forms, and contrapuntal forms are included in the study of such composers as Bach, Mozart, Beethoven, and Mahler. Use of music notation software. A concurrent laboratory experience in ear training and sight-singing including melodic, harmonic, and rhythmic dictation is required. See Musicianship III.

Typically Offered Spring Only

Grading: OPT

MUS 312 - Jazz Harmony and Arranging II

Unit(s): 3 A continuation of MUS 212. Study of advanced melodic and harmonic materials commonly used in jazz. Application through arranging projects for small (saxophone ensemble) and large (big band) jazz groups.

Prerequisite(s): MUS 212.

Typically Offered Spring Only

Grading: OPT

MUS 313 - Choral Arranging

Unit(s): 2 An exploration of the fundamental practices or arranging for choral ensembles. Students will create arrangements for a variety of choral settings with and without accompaniment.

Typically Offered Fall & Spring

Grading: GRD

MUS 314 - Orchestration

Unit(s): 2 An exploration of fundamental techniques of instrumental and choral arranging. Students will develop familiarity with instrumental and vocal ranges, transpositions, the characteristic sounds of different families of instruments, and various tone color combinations. Students will create arrangements for a

variety of ensembles.

Prerequisite(s): MUS 210, MUS 220. Familiarity with woodwind, brass, and/or string instruments is recommended. Consent of instructor.

Typically Offered Variable Intermittently
Grading: OPT

MUS 315 - Diction - English/Italian

Unit(s): 1-2 This hands-on course complements vocal instruction and theatre arts classes through diction training. Students will learn to use the "International Phonetic Alphabet" to help them analyze and transliterate English and dialects for the stage, Italian and English songs, and arias.

Typically Offered Spring Only
Grading: OPT

MUS 316 - Diction - French and German

Unit(s): 1-2 A continuation of MUS 315. Students will learn to use the "International Phonetic Alphabet" to help them analyze and transliterate songs and texts in French and German.

Typically Offered Fall Only
Grading: OPT

MUS 320 - Musicianship III

Unit(s): 2 Continued development of sight-singing and dictation skills. Techniques include solfa using moveable do and drills in rhythm and meter, intervals, triads, seventh chords, and full melodies. Emphasizes broad listening skills and memory through frequent melodic and harmonic dictation exercises. Through examples from the 18th and 19th centuries the course will explore modes, chromatic melodies and harmonic progressions, secondary dominants, and modulation.

Prerequisite(s): MUS 220 or equivalent.
Typically Offered Fall Only
Grading: OPT

MUS 323 - Concert Choir

Unit(s): 1-2 Repertoire includes a variety of short and medium length choral compositions, including a cappella music and/or works accompanied by light instrumentation, and represents all historical periods and styles from early classics to contemporary works. No

previous choral experience required; singers will be given a placement audition after enrolling.

Typically Offered Fall & Spring
Grading: OPT

MUS 325 - Symphonic Chorus

Unit(s): 1-2 Large chorus featuring a wide range of accompanied and a cappella literature. Emphasis placed on development of vocal technique, musicianship skills, and preparation of repertoire. Includes public performances. Enrollment by audition only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 326 - Guitar Ensemble

Unit(s): 1-2 The course focuses on all aspects of the literature for multiple guitars: performance, listening, sight-reading and technique. A wide variety of repertory is covered and a public performance is required. Project proposals from class members are welcomed.

Prerequisite(s): consent of instructor.
Typically Offered Fall & Spring
Grading: OPT

MUS 327 - Symphonic Wind Ensemble

Unit(s): 1-2 The SSU Symphonic Wind Ensemble is a large wind band dedicated to the study and performance of a wide variety of wind band literature. Membership is open to all University students. Auditions for part assignments are held at the beginning of each semester. The SWE performs 2–4 concerts each semester and the course has a mandatory concert performance requirement.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 328 - Symphony Orchestra

Unit(s): 1-2 The Symphony Orchestra performs a diverse array of orchestral literature, ranging from the Baroque period to world premieres and from classical repertoire to film, opera, and educational works. In addition to performing 2–4 concerts each year in the campus's beautiful Weill Hall, the Symphony Orchestra performs regularly on tour throughout California and beyond.

Typically Offered Fall & Spring
Grading: OPT

MUS 329 - Chamber Music Ensembles

Unit(s): 1-2 Enrolled students will be assigned to various ensembles according to instrumentation and expertise. During each semester outstanding musicians from the Bay Area will coach each ensemble. Course culminates in a series of public performances. Admission by audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 330 - Musical Theatre Production

Unit(s): 1-3 A course devoted to the study and public performance of major works of operatic and musical theatre literature. Designed for singers, actors, and others interested in music theatre. The capstone is a fully staged, orchestrally accompanied performance.

Prerequisite(s): by audition, in August only.
Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 340 - Musical Theatre Scenes Workshop

Unit(s): 1-3 A performance course designed to broaden student's familiarity with the opera and musical theatre repertoire. Students have input regarding literature and often write their own scenes. The class is open to all students.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 342 - History of Jazz

Unit(s): 1-3 The study of jazz from its origins to the present. Listening to music is the core of the class; emphasis is on developing skill in recognizing and describing what happens in classic performances. The changing styles of jazz are related to the social and cultural context of the music in each style period.

Typically Offered Spring Odd Years
Grading: OPT

MUS 343 - Studies in Musical Genres

Unit(s): 3 An in-depth study of a particular type of music. Course activities will include lecture, listening, and in-class performances.

GE Category: Satisfies GE Area C1.
Typically Offered Fall Only **May Be Repeated** May be repeated for credit.
Teaching Mode: Course may be taught in online or hybrid modes during Intercession and Summer. **Grading:** OPT

MUS 344 - Studies-Specific Composers

Unit(s): 3 An in-depth study of the life and works of a single composer. Course activities will include lecture, listening, and in-class performances.

GE Category: Satisfies GE Area C1.
Typically Offered Fall Only **May Be Repeated** May be repeated for credit.
Grading: OPT

MUS 346 - Studies in Music Theory

Unit(s): 1-3 The detailed study of a particular theoretical system in music.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit with consent of the instructor.
Grading: OPT

MUS 347 - Studies in World Music

Unit(s): 1-3 The detailed study of the music of a particular country or area outside the Western European musical tradition.

Typically Offered Not Recently Offered
Grading: OPT

MUS 350 - Survey of World Music

Unit(s): 4 This class examines the world's musical cultures with an emphasis on musical repertoires and how they relate to social, cultural, and religious contexts. Students are encouraged to show their musical talents and participate in learning a few melodies and rhythms.

GE Category: Satisfies GE Area C3 (Comparative Perspectives).

Typically Offered Fall & Spring

Grading: OPT

MUS 351 - History of Western Music, 1750-present

Unit(s): 3 History of music in the Western tradition, dating from 1750 to the present. The course includes the study of representative composers such as C.P.E. Bach, Mozart, Beethoven, Brahms, Joplin, Stravinsky, Crawford, Gubaidulina, Reich, and Cage, as well as analytical studies of their works. This course requires a working knowledge of musical notation and theory. The course is restricted to music majors and minors; non-majors may enroll with the consent of the instructor.

Prerequisite(s): MUS 251, or consent of instructor.

Typically Offered Spring Only

Grading: OPT

MUS 353 - Indian Singing Ensemble

Unit(s): 1-2 Experience the joy of Indian singing as we explore the philosophical and spiritual concept of Nada Brahma (the universe is sound, music being eternal bliss). No requirements; bring your throat.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 359 - Audio and Recording Production II

Unit(s): 1 Continuation of MUS 159. Fundamentals of audio and recording production in a studio and of live performances. Discussion and demonstrations of major types of software and/or hardware used in the production of music including creative and innovative methods. Students will develop skills in all phases of studio and live performance operation and will complete a number of individual projects.

Typically Offered Spring Only

Recommended Strongly recommended for music composition students.

Grading: GRD

MUS 377 - Brass Ensemble

Unit(s): 1 This ensemble is a vibrant group of interested trumpet, horn, baritone, trombone, and tuba players who perform a wide array of pieces from Gabrieli antiphonal music to Jazz works as well as music in the Philip Nones brass repertory. The group meets weekly and plays

concerts on and off campus.

Typically Offered Fall & Spring

Grading: OPT

MUS 378 - Percussion Ensemble

Unit(s): 1 An outgrowth of the Symphonic Wind Ensemble, the Percussion Ensemble performs a mixture of historically relevant repertoire as well as pieces of the modern repertory. The ensemble affords its members the chance to cultivate sensitive chamber music skills and to explore performance techniques on all the various percussion instruments.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 379 - Latin Jazz Band

Unit(s): 1-2 Rehearsal and performance of literature from the Latin diaspora, focusing on the music of the Caribbean and South America.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 389 - Jazz Improvisation III

Unit(s): 3 A continuation of MUS 289. Advanced chord-scale and chord substitution techniques for improvising on functional chord progressions.

Prerequisite(s): MUS 289.

Typically Offered Fall Only

Grading: OPT

MUS 390 - Jazz Orchestra

Unit(s): 1-2 An 18-20 piece Big Band that performs the best literature from the traditional Swing Era to the present day.

Typically Offered Fall & Spring

Grading: OPT

MUS 391 - Concert Jazz Ensemble

Unit(s): 1-2 Rehearsal and performance of literature in traditional and contemporary jazz idioms. Repertory includes original arrangements especially designed for the ensemble by music faculty and students.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 392 - Jazz Piano II

Unit(s): 1 Continuation of MUS 292.

Prerequisite(s): MUS 292 or consent of instructor.

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 399 - Student-Instruction Course

Unit(s): 1-3 Topic differs each semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: CNC

MUS 400 - Music for the Classroom

Unit(s): 2 Philosophy, concepts, and materials for music teaching in the classroom. The structure, nature, and function of music in children's lives.

Prerequisite(s): MUS 105 or equivalent, or consent of instructor. Mandatory 15 hours of observation outside of class.

Typically Offered Spring Only

Grading: OPT

MUS 401 - Conducting Technique

Unit(s): 2 An introduction to the basics of conducting with an emphasis on conducting patterns, baton technique, and the development of effective rehearsal procedures common to instrumental and vocal ensembles.

Prerequisite(s): MUS 110, MUS 120, and at least two of the following: MUS 115/MUS 415, MUS 122/MUS 422, MUS 123/MUS 423, MUS 124/MUS 424, and MUS 129/MUS 429.

Typically Offered Spring Even Years

Grading: OPT

MUS 402 - Choral Conducting

Unit(s): 3 Advanced choral conducting techniques. Students will further develop expressive conducting skills necessary for leading and rehearsing choral ensembles.

Prerequisite(s): MUS 401 and consent of instructor.

Typically Offered Fall Odd Years

Grading: OPT

MUS 403 - Instrumental Conducting and Methods

Unit(s): 3 Advanced instrumental conducting techniques. Students will further develop expressive conducting skills necessary for leading and rehearsing instrumental ensembles.

Prerequisite(s): MUS 401 and consent of instructor.

Typically Offered Fall Odd Years

Grading: OPT

MUS 404 - Choral Methods and Repertoire

Unit(s): 2 An exploration of teaching methods, materials and repertoire necessary for teaching choral music in the public schools. This course has a mandatory requirement of 15 hours of observation outside of class of choral ensembles in the public schools.

Prerequisite(s): MUS 401, MUS 402 and consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

MUS 405 - Instrumental Methods and Repertoire

Unit(s): 2 An exploration of teaching methods, materials and repertoire necessary for teaching band and orchestra in the public schools. This course has a mandatory requirement of 15 hours of observation outside of class of choral ensembles in the public schools.

Prerequisite(s): MUS 401, MUS 403 and consent of instructor.

Typically Offered Fall & Spring

Grading: GRD

MUS 412 - Jazz Composition

Unit(s): 3 Study of form and techniques for jazz composition. Students will compose 5 tunes.

Prerequisite(s): MUS 312 or MUS 389.

Typically Offered Fall Only
Grading: OPT

MUS 415 - Vocal Methods

Unit(s): 1 Group and individual explorations of the fundamental techniques of singing. Develop strategies to address tone production, breath control, diction, repertory, and interpretation. Music Education students learn basic vocal pedagogy.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 418 - Guitar Methods

Unit(s): 1 An exploration of basic performance techniques, and pedagogy and teaching strategies for guitar.

Prerequisite(s): consent of instructor.

Typically Offered Fall Even Years **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 420 - Musicianship IV

Unit(s): 2 Continuation of Musicianship III. Begins with Mozart, and proceeds through Beethoven, Wagner, and Debussy into music of the 20th century. Emphasizes accurately singing and hearing music of increasing chromatic complexity using an intervallic approach to augment tonal hearing. Listening and analysis activities focus upon selections of great works from Mozart to Stravinsky.

Prerequisite(s): MATH 320 or equivalent.

Typically Offered Fall Only

Grading: OPT

MUS 422 - Strings Methods II (Cello/Bass)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching cello and bass in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Spring Odd Years **May Be Repeated**

May be repeated for credit with consent of instructor.

Grading: OPT

MUS 423 - Woodwinds Methods II (Flute/Double Reeds)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching flute, oboe and bassoon in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Spring Even Years **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 424 - Brass Methods II (Horn/Tuba)

Unit(s): 1 An exploration of basic performance techniques, instrumental pedagogy and teaching strategies associated with teaching horn and tuba in the public schools.

Prerequisite(s): MUS 106 or the equivalent and/or consent of the Instructor and Director of Music Education.

Typically Offered Fall Odd Years **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 424 - Theory IV: 20th Century Techniques

Unit(s): 3 A study of melodic, rhythmic, harmonic, and formal organization of 20th century music.

Prerequisite(s): MUS 210, 220, 150, and 250 or consent of instructor.

Typically Offered Fall Only

Grading: OPT

MUS 425 - Composers Forum

Unit(s): 1 Individual projects in creative work. Individual projects in jazz performance.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 426 - Jazz Forum

Unit(s): 1 Required for Jazz Performance majors every semester. Students interact with guest artists and clinicians from around the world.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 429 - Percussion Methods

Unit(s): 1 An exploration of basic performance techniques, and pedagogy and teaching strategies associated with standard percussion instruments.

Prerequisite(s): consent of instructor.

Typically Offered Spring Odd Years **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 433 - Private Instruction-Strings

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 133 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 434 - Private Instruction-Woodwinds

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 134 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 437 - Private Instruction-Brass

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 137 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 438 - Private Instruction-Percussion

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 138 and audition.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: GRD

MUS 439 - Private Instruction-Keyboard

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 139 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 440 - Vocal/Instrumental Proficiency Jury

Unit(s): 1 A performance illustrating proficiency as well as knowledge of the technique and tone production in voice, on guitar, and on string, woodwind, brass, and percussion instruments. For students in the Music Education concentration or the California Music Subject Matter Competency Program.

Prerequisite(s): MUS 415, MUS 418, MUS 422, MUS 423, MUS 424, and MUS 429.

Typically Offered Fall & Spring

Grading: CNC

MUS 441 - Private Instruction-Voice

Unit(s): 1 Advanced individual study of voice.

Prerequisite(s): MUS 141 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 443 - Private Instruction-Guitar

Unit(s): 1 Private instruction for advanced students.

Prerequisite(s): MUS 143 and audition.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 445 - Private Instruction-Composition

Unit(s): 1-2 Private instruction in composition for advanced students.

Prerequisite(s): MUS 425 or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: GRD

MUS 446 - Private Instruction-Conducting

Unit(s): 1-2 Private instruction in conducting for advanced students.

Prerequisite(s): audition.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 447 - Applied Music Studies

Unit(s): 1 Advanced individual study of instrument or voice. Instructor permission required.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

MUS 448 - Choral and Vocal Accompanying

Unit(s): 1-2 An exploration of piano techniques necessary for accompanying a variety of vocal ensembles. Emphasis will be placed on the development of communication skills between performers and on sight-reading proficiency.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit with consent of instructor.

Grading: OPT

MUS 451 - Repertory Class

Unit(s): 1 This class provides an opportunity for students to perform their repertory in a group setting. Private instruction faculty coach students in technique, interpretation, and presentation. Classes are normally offered for voice and classical instrumental.

Prerequisite(s): concurrent enrollment in the appropriate private instruction course.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 460 - Teaching Assistant in Music

Unit(s): 1-4 **Typically Offered** Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

MUS 480 - Special Topics

Unit(s): 1-4 Topic will vary from semester to semester. Consult Schedule of Classes for current offering.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 481 - Special Topics Workshop

Unit(s): 1-3 Activity will vary from semester to semester. Consult Schedule of Classes for current offering.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: CNC

MUS 489 - Jazz Improvisation IV

Unit(s): 3 Continuation of MUS 389. Advanced rhythmic concepts and techniques for improvising on contemporary modal and free-form compositions.

Prerequisite(s): MUS 389.

Typically Offered Spring Only

Grading: OPT

MUS 490 - Senior Project

Unit(s): 1-3 A course in which the work of the Music major reaches culmination. Group or individual projects in research, analysis, theory, or performance that bring together all the skills and proficiencies developed by the student. For the Music Education Concentration the project is a summative portfolio.

Prerequisite(s): completion of all music major requirements or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

MUS 491 - Senior Recital

Unit(s): 1-3 The preparation and presentation of a senior recital is the culminating activity for Music majors in the Performance Concentration.

Prerequisite(s): completion of all performance concentration requirements or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

MUS 495 - Special Studies

Unit(s): 1-4 Individualized studies in topics beyond the scope of the regular curriculum. Contract with an instructor, specifying work to be completed. A regular schedule of contract hours is necessary.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

MUS 499 - Internship

Unit(s): 1-4 Work experience in organizations and projects related to music.

Prerequisite(s): appropriate preparation for successful completion of internships and consent of instructor.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

MUS 500 - Introduction to Graduate Study

Unit(s): 3 A course in the methods and materials for research in music. Proficiency in an imaginative use of the resources for accessing musical data will be developed through projects in bibliography. Required of first-semester graduate students.

Typically Offered Not Recently Offered

Grading: OPT

MUS 595 - Special Studies

Unit(s): 1-4 Individualized studies in topics beyond the scope of the regular curriculum. Contract with an instructor, specifying work to be completed. A regular schedule of contact hours is necessary.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

Native American Studies

NAMS 165 - Native Cultures of Northern California

Unit(s): 4 An introduction to the local and regional diversity of American Indian communities. Through the local and regional lenses, students will gain an understanding of the broader perspectives on Native American history, experience, and contemporary issues. This is a large lecture format with discussion sub-sections.

GE Category: Satisfies GE Area C2 and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Grading: GRD

NAMS 200 - Introduction to Native Americans

Unit(s): 3 A survey of the various geographical environments of tribes living in North America. The emphasis is upon precontact cultures, but includes cultural and historical changes to tribes during the settling of this country by Europeans.

GE Category: Satisfies GE Area D1 (Individual and Society) and the Ethnic Studies requirement.

Typically Offered Fall Alternate Years

Grading: OPT

NAMS 205 - Introduction to Native American Arts

Unit(s): 4 NAMS 205 is a general introduction to traditional and contemporary American Indian arts in the U.S. The course is a survey of Native American art in major indigenous cultural regions from pre-Colonial times to the present. Includes information on the culture that produced the art forms and will explore the interplay between tradition and innovation.

GE Category: Satisfies GE Area C1 and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Grading: GRD

NAMS 273 - American Diversity

Unit(s): 4 This course explores and analyzes European and American historical events from a Native American perspective. Three Native culture areas will be used as examples: the Great Plains, the Southwest, and Northern California. Special emphasis will be placed on the events that shaped the lives of American Indians in these areas. Native philosophical perspectives and values will be illuminated in contrast to Euro- American philosophy and values.

Prerequisite(s): completion of GE Category A2 (Engl 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: GRD

NAMS 338 - Native Americans and The Cinema

Unit(s): 4 This course examines and critiques the depiction of American Indians in American cinema, including Hollywood movies, independent films, and documentaries. These works are analyzed through an exploration of the social construction of stereotypes, film theory, and historical and cultural contexts. Films by American Indians and non-Indians will be examined and analyzed.

GE Category: Satisfies GE Area C1 and the Ethnic Studies requirement.

Typically Offered Fall & Spring

Teaching Mode: This course can be taught in on-line or hybrid modes during the summer and/or intersession only.

Grading: GRD

NAMS 346 - Philosophic Systems and Sacred Movements in Native North America

Unit(s): 4 NAMS 346 is designed to give students an overview of a broad range of topics arising in the study of diverse Native American philosophical systems and sacred movements, pre-contact to the present. Regional and historical approaches are utilized in the analysis of American Indian religious movements and philosophic systems; archaeoastronomy, art forms, ceremonies, and a variety of literary genres are investigated as expressions of religious belief and activity.

GE Category: Satisfies GE Area C2 and the Ethnic Studies Requirement.

Typically Offered Spring Only

Teaching Mode: This course can be taught in on-line or hybrid modes during the summer and/or intersession only.

Grading: GRD

NAMS 354 - Native American Literatures

Unit(s): 4 A general introduction to American Indian literatures that includes early translations, oral literatures, autobiographies, and contemporary poetry and fiction. The course also focuses on the American Indian writers'

connection to a "home landscape." The study of the scope and nature of various representations of American Indians in literary texts are explored.

GE Category: Satisfies GE Area C2 and the Ethnic Studies requirement.

Typically Offered Variable Intermittently

Grading: GRD

NAMS 495 - Special Studies

Unit(s): 1-4 **Prerequisite(s):** an upper-division core course; approval of supervising faculty member, and approval of program coordinator.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

Nursing

NURS 290 - Introduction to Nutrition

Unit(s): 3 This course is designed to bridge the gap between nutrition science and consumer education so that students can apply the information to fit their lifestyles and health goals. Course objectives include understanding food requirements for different individuals, nutritive values of food, and the impact of food on health (Online course).

Crosslisted: KIN 290

GE Category: Area E: Lifelong Learning

Typically Offered Fall & Spring **May Be Repeated** No

Teaching Mode: Online **Grading:** Graded

NURS 301 - Nursing Care of the Adult Client I

Unit(s): 9 **Seminar:** 5 hours **Practicum:** 4 hours This course is an introduction to nursing therapeutics underlying the basic skills and concepts in the practice of professional nursing. The focus is on concepts related to physical, emotional, spiritual, social and cultural needs and mechanisms for maximizing health. Basic pharmacology is included. Emphasis is placed on the application of the nursing process in maintaining health for adults.

Prerequisite(s): Nursing majors only.

Typically Offered Fall & Spring

Grading: GRD

NURS 302 - Nursing Care of Adult Client II

Unit(s): 6 Seminar: 4 hours **Practicum:** 2 hours This course continues the application of nursing therapeutics underlying the basic skills and concepts in the practice of professional nursing. The focus is on concepts related to physical, emotional, spiritual, social, and cultural needs and mechanisms for maximizing health. Basic pharmacology is included. Emphasis is placed on the application of the nursing process in maintaining health and older adult populations.

Prerequisite(s): NURS 301, NURS 303, and Nursing majors only.

Typically Offered Fall Only

Grading: GRD

NURS 303 - Maternity & Women's Health Care

Unit(s): 6 Seminar: 4 hours **Practicum:** 2 hours Principles and concepts of health and illness in childbearing and childrearing families are covered with an emphasis on preventive and therapeutic aspects for the pregnant and postpartum client. Use of community resources is introduced. Clinical experiences apply the caring process to childbearing and childrearing families with a focus on the principles and concepts of health promotion and maintenance to families in various phases of the health and illness continuum.

Prerequisite(s): Nursing majors only.

Typically Offered Spring Only

Grading: GRD

NURS 304 - Psychiatric and Mental Health Nursing

Unit(s): 6 Seminar: 4 hours **Practicum:** 2 hours Students are introduced to the principles of mental health and illness. Nursing care therapeutics with populations experiencing mental health, stresses, and psychiatric illnesses are examined and applied.

Prerequisite(s): NURS 301, NURS 303, and Nursing majors only.

Typically Offered Fall Only

Grading: GRD

NURS 310 - Nursing Research and Evidence-Based Practice

Unit(s): 3 Seminar: 3 hours This course examines sources of evidence, the nature of inquiry, basic research concepts, language, and processes. Approaches to research and ways of knowing in nursing and related sciences are explored. Qualitative and quantitative

research methods are compared. Students critically appraise and interpret studies in order to enhance their understanding of the research process. Theoretical frameworks for research are explored. Levels of evidence are explored and the evidence-based practice brief is created.

Prerequisite(s): course restricted to Nursing majors only.

Typically Offered Spring Only

Grading: GRD

NURS 312 - Baccalaureate Nursing Perspectives I

Unit(s): 4 This course provides the foundation for critically examining the current healthcare system, evidenced-based nursing practice, safety and quality standards in healthcare delivery and interdisciplinary communication and collaboration.

Prerequisite(s): Admission to the nursing major.

Typically Offered Fall & Spring

Grading: GRD

NURS 313 - Baccalaureate Nursing Perspectives II

Unit(s): 4 This course expands knowledge about the role of the professional nurse in society by exploring leadership and advocacy as integral components of professional nursing. It examines goals of current health care system reform including nursing's expanded professional role in promoting health and mitigating health care disparities and inequities.

Prerequisite(s): Course restricted to Nursing majors only.

Typically Offered Fall Only

Grading: GRD

NURS 370 - Health Promotion for Racially Diverse Populations

Unit(s): 3 An understanding of how health promotion activities can foster health equity in racial minorities in the US with an introduction to health promotion, disease prevention, risk reduction strategies and measuring effective interventions. Learners will explore unique and effective health promotion approaches for individuals and populations from diverse racial and ethnic backgrounds.

Co-requisite(s): Course restricted to NURS, NURS with RN and Pre-NURS majors.

GE Category: Course meets GE Area D1 (Individual &

Society).

Typically Offered Spring Only

Teaching Mode: Online **Grading:** GRD

NURS 395 - Community Involvement Program

Unit(s): 1-4 CIP involves students in community problems related to the promotion of health and the prevention of illness. Credit may be given for such activities as volunteer work in health agencies and planning and participating in community health projects. A total of 6 units may be applied toward a degree. May be taken by petition only.

Prerequisite(s): admission to the Nursing major, consent of advisor and department chair.

Typically Offered Fall Only

NURS 407 - Nursing Care of the Adult Client III

Unit(s): 6 This course continues the application of nursing therapeutics underlying the basic skills and concepts in the practice of professional nursing. The focus is on concepts related to physical, emotional, spiritual, social, and cultural needs and mechanisms for maximizing health. Advanced pharmacology is included. Emphasis is placed on the application of the nursing process in maintaining health for complex adults and older adult population.

Prerequisite(s): NURS 301, NURS 302, NURS 303, NURS 304 & NURS 310 and Nursing majors only.

Typically Offered Spring Only

Grading: GRD

NURS 409 - Nursing Care of the Child in the Family

Unit(s): 6 This course continues the application of nursing therapeutics, skills, and concepts in the practice of professional nursing specific to the care of the child. The focus is on concepts related to physical, emotional, spiritual, social, and cultural needs and mechanisms for maximizing health. Basic pharmacology is included. Emphasis is placed on the application of the nursing process in maintaining health for children and families.

Prerequisite(s): NURS 301, NURS 302, NURS 303, NURS 304, and Nursing majors only.

Typically Offered Fall Only

Grading: GRD

NURS 410 - Nursing Power, Policy, and Politics

Unit(s): 5 This course examines the role of nursing in influencing health care from an economic, legal/ethical, political, interdisciplinary, and multicultural framework. Topics for discussion are based on current issues and trends in nursing practice, leadership, and the socio-political landscape.

Prerequisite(s): Completion of NURS 310 and Nursing majors only.

Typically Offered Fall Only

Grading: GRD

NURS 412 - Community/Public Health Nursing

Unit(s): 3 This course explores populations focused nursing the context of health promotion and protection for individuals, families, and communities. Determinants of health such as epidemiology, environmental health, and public health science will be addressed along with a focus on social cultural factors which impact health of communities.

Prerequisite(s): Nursing majors only.

Typically Offered Fall & Spring

Grading: GRD

NURS 412P - Community/Public Health Nursing Practicum

Unit(s): 2 This clinical course explores populations focused nursing the context of health promotion and protection for individuals, families, and communities. The practicum will involve enhancing the health promotion efforts of individuals, communities, and families. Nursing majors only.

Prerequisite(s): Course restricted to Nursing Majors only.

Typically Offered Fall & Spring

Grading: GRD

NURS 414 - Clinical Nursing Preceptorship

Unit(s): 5 Clinical application of theories and concepts from nursing and related sciences is applied in the nursing care of selected populations. Evidence-based knowledge and pertinent theoretical frameworks are utilized to respond to complex and specific health care needs of these populations. Integration and synthesis of concepts, personal development, and leadership/management abilities are expanded through professional nursing practice.

Prerequisite(s): Completion of NURS 310 and Nursing majors only.

Typically Offered Fall & Spring

Grading: GRD

NURS 416 - Application of Baccalaureate Perspectives

Unit(s): 3 Application of theories and concepts from nursing and related sciences is applied in the nursing care of selected populations for the post-licensure B.S.N. student. Evidence-based knowledge and pertinent theoretical frameworks are utilized to respond to complex and specific health care needs of self-selected populations. Integration and synthesis of concepts, personal development, and leadership/ management abilities are expanded through professional nursing practice.

Prerequisite(s): completion of all 300 level nursing courses, R.N. licensure, and Nursing majors only.

Typically Offered Spring Only

Grading: GRD

NURS 480 - Health, Sexuality, and Society

Unit(s): 3 **Seminar:** 3 hours Examines issues in human sexuality as they relate to the health and well-being of self and others. A range of human sexual experience will be explored.

Prerequisite(s): Upper-division standing.

GE Category: Satisfies GE Area E. Open to non-nursing majors.

Typically Offered Spring Only

Grading: OPT

NURS 490 - The Sexual Imperative: History, Media, Culture, and Imagination.

Unit(s): 4 This on-line course examines historical, cultural, philosophical and artistic influences on relationships, gender expressions and sexuality among various lifestyles within the United States and the world. Specific perspectives within these foci include historical events and philosophies as they have influenced cultural mores, artistic expression and literature shaping human sexual health, values, beliefs and behaviors.

Prerequisite(s): Course restricted to NURS, NURS with RN and Pre-NURS majors.

GE Category: Satisfies GE Area C2.

Typically Offered Fall & Spring

Teaching Mode: Online **Grading:** GRD

NURS 495 - Special Studies

Unit(s): 1-4 Individual or group study, under guidance of an advisor, of special issues in nursing.

Prerequisite(s): Admission to the nursing major and/or consent of instructor and department chair. Specific guidelines available from the Nursing department.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

NURS 497 - Nursing Externship

Unit(s): 2-6 Clinical laboratory, 6 to 18 hours. Work study course offered in cooperation with selected clinical agencies. Students apply previously learned nursing theory and clinical skills in assigned patient care setting under the supervision of selected Registered Nurse preceptors. The course is offered for 2-6 units.

Prerequisite(s): NURS 385 and permission of instructor.

Typically Offered Variable Intermittently

Grading: CNC

NURS 498 - Teaching Assistant Practicum

Unit(s): 1-4 Supervised unpaid instructional work experience in Nursing. May include tutoring, assisting with classroom activities, and leading clinical skills laboratory activities. Intended for professional growth for undergraduates.

Prerequisite(s): consent of instructor whose course the student will be working, and an approved petition to enroll.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for up to 4 units.

Grading: GRD

NURS 501 - Health Promotion: Righting Disparities

Unit(s): 4 Online course. Advanced concepts to assess and promote the behaviors that enhance the health of clients across the lifespan, taking into account the multiple dimensions of and the attendant risks unique to the dimension of Person. Principles and theories of the behavioral sciences, epidemiology, family health, psychology, sociology, genomics, and ethical decision-making are investigated.

Prerequisite(s): Admission to the F.N.P. Program. **Co-**

requisite(s): NURS 509.

Typically Offered Fall Only

Teaching Mode: Online **Grading:** GRD

NURS 509 - Advanced Health Assessment

Unit(s): 4 This hybrid course reviews and expands upon concepts and skills of human assessment basic to advanced practice clinical decision-making and the caring process. Lab Fee.

Prerequisite(s): Admission to the F.N.P. Program. **Co-requisite(s):** NURS 501

Typically Offered Fall & Spring

Teaching Mode: Hybrid **Grading:** GRD

NURS 540A - Pathophysiological Concepts in Primary Care I

Unit(s): 3 Hybrid course. Develops a foundation for the diagnosis and management of common acute and chronic illnesses in advanced primary care nursing practice. Research and theory from various disciplines are used to evaluate unique interaction patterns of person and environment as a basis for selecting strategies to promote health and minimize the effects of illness. Emphasizes interdisciplinary aspects of primary health care through partnerships with patients as a basis for collaboration, consultation, and referral.

Prerequisite(s): NURS 501, NURS 509, NURS 549. **Co-requisite(s):** NURS 552, NURS 550A.

Typically Offered Fall & Spring

Grading: GRD

NURS 540B - Pathophysiologic Concepts in Primary Care II

Unit(s): 3 Hybrid course. Continue to develop a pathophysiological conceptual foundation for the diagnosis and management of common acute and chronic illnesses in advanced primary care nursing practice. Research and theory from various disciplines are used to evaluate unique interaction patterns of the person and environment as a basis for selecting strategies to promote health and minimize the effects of illness. Emphasized interdisciplinary aspects of primary health care through partnerships with patients as a basis for collaboration, consultation and referral.

Prerequisite(s): N501, N509, N549, N552, N540A, N550A. **Co-requisite(s):** NURS 550B.

Typically Offered Fall & Spring

Grading: GRD

NURS 549 - Health Promotion Practice in Primary Care

Unit(s): 3 This clinical course correlates with and supports the student in applying the theoretical concepts in NURS 501. The course provides the student with a comprehensive understanding of health promotion and disease prevention in clients across the life span. The course provides the students with the skills to evaluate the health status of a client, taking into account the unique dimensions of a person including culture, ethnicity, socioeconomic status, educational status, and religious and spiritual status when developing a health promotion plan.

Prerequisite(s): Admission to the F.N.P. Program. **Co-requisite(s):** NURS 501, NURS 509.

Typically Offered Fall & Spring

Grading: GRD

NURS 550A - Clinical Practice in Primary Care I

Unit(s): 4 Beginning clinical practice in primary care settings is implemented. Specialized knowledge and skills are utilized to assess physical, emotional, social, cultural and spiritual needs of patients. Concepts from various disciplines are integrated to provide a framework for developing and applying strategies for health promotion and illness management. Begin to develop advanced nursing role identity as FNP.

Prerequisite(s): NURS 549, NURS 501, NURS 509. **Co-requisite(s):** NURS 540A, NURS 552. Laboratory fee payable at time of registration.

Typically Offered Fall & Spring

Grading: GRD

NURS 550B - Clinical Practice in Primary Care II

Unit(s): 4 Continued implementation of clinical practice in primary care settings. Further develops and expands FNP clinical judgment and practice skills in family primary care. Research findings and theory-based knowledge are applied to formulating diagnosis and management plans. Personal and professional parameters of the nurse practitioner role are examined.

Prerequisite(s): NURS 501, NURS 509, NURS 549, NURS 550A, NURS 540A, NURS 552. **Corequisite:** NURS 540B; NURS 560 can be a prerequisite or corequisite.

Typically Offered Fall & Spring
Grading: GRD

NURS 550C - Clinical Practice in Primary Care III

Unit(s): 4 Expanded clinical practice in primary and extended care settings. Facilitates the integration of nursing and other theories and research in providing health care to individuals, families, and groups. Conceptual perspectives are applied as a foundation for complex decision-making in advanced nursing practice. Professional identity is expanded to integrate the multiple aspects of the nurse practitioner role.

Prerequisite(s): NURS 501, 509, 540A/B, 549, 550A/B, 552, 560. **Co-requisite(s):** NURS 562, NURS 564, NURS 566.

Typically Offered Fall & Spring
Grading: GRD

NURS 552 - Pharmacology in Primary Care

Unit(s): 3 This online course develops a foundation for safe and effective management of client's pharmacological needs in the care of common acute and chronic illnesses. Research findings and theory-based knowledge are applied in assessing the needs of the individual client for medications and patient education. Parameters of legal practice, including the prescribing of schedule II drugs, and community standards of care are addressed. Meets state educational requirement for NP furnishing license.

Prerequisite(s): NURS 509, NURS 549, NURS 501, or permission of instructor. **Co-requisite(s):** NURS 540A, NURS 550A, or permission of instructor required.

Typically Offered Fall & Spring
Teaching Mode: Online **Grading:** GRD

NURS 555 - FNP Expanded Clinical Practice

Unit(s): 2-4 To enhance and expand clinical decision-making skills via extended clinical practice in preceptorship for Family Nurse Practitioner students. To synthesize and concisely report clinical findings via written or dictated chart notes and verbal presentation to preceptor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.
Grading: CNC

NURS 560 - Research and Theory Applied to Primary Care

Unit(s): 4 Online course. Linkages between theory, research, and advanced practice are developed to provide the student with the necessary skills to critically analyze and apply research in primary care.

Typically Offered Fall Only
Teaching Mode: Online **Grading:** GRD

NURS 562 - Advanced Practice in Primary Care Systems

Unit(s): 4 Online course. Nurse Practitioner practice issues are examined with a focus on quality assurance, safe delivery, and ethical patient care within the legal parameters of Nurse Practitioner practice from a local, state, and national perspective. Organization and management theory are analyzed in relation to primary care and Nurse Practitioner role and practice.

Prerequisite(s): NURS 501, 509, 540A/B, 549, 550A/B, 552, 560 .

Typically Offered Fall & Spring
Teaching Mode: Online **Grading:** GRD

NURS 564 - Health Policy and Advocacy in Primary Care

Unit(s): 4 Online course. Course reviews the principal way health care and specifically primary care is organized and financed, and identifies current issues in health care organizations and financing.

Typically Offered Fall & Spring
Teaching Mode: Online **Grading:** GRD

NURS 566 - Culminating Experience

Unit(s): 2 The Culminating Experience will be the capstone course for the FNP student. The Culminating Experience is in the form of a Clinical Simulated Exam (CSE) and will be based on a standardized client. There are three parts to the Experience that will simulate a clinical encounter with a client: the student must demonstrate the ability to 1) gather subjective and objective data from a client, 2) develop and present a logical assessment and plan for a client, and 3) in a scholarly manner apply theoretical principles to client care.

Prerequisite(s): NURS 501, 509, 540A/B, 549, 550A/B, 552, 560 **Co-requisite(s):** NURS 550C, NURS 562, NURS 564.

Typically Offered Spring Only
Grading: CNC

NURS 595 - Special Studies

Unit(s): 1-4 Individually arranged course for one or more students who wish to pursue academic interests beyond the scope of the regular curriculum.

Prerequisite(s): acceptance into the master's program in Nursing, and consent of instructor and department chair.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

Organizational Development

OD 513 - Facilitation and Training

Unit(s): 3-4 Theories of adult development, learning styles, and experience-based training. In-class practice in assessing needs, defining objectives, designing and planning training experiences, presentation methods and skills, and evaluating outcomes. Students apply emerging methods for managing meetings and facilitating groups for effective planning, problem-solving, and communication. Limited to students in the Organization Development Program.

Typically Offered Fall Only

Grading: GRD

OD 514 - Organization and Team Development

Unit(s): 3-4 Contributions of systems theory and organization development practice for guiding constructive change and self-renewal in groups, organizations, and communities. Students integrate theory and practice of process-oriented leadership and consultation, in the context of a supervised field experience with an actual organization.

Prerequisite(s): OD 513.

Typically Offered Spring Only

Grading: GRD

OD 518A - Advanced Intervention Methods in Organization Development

Unit(s): 2 Intensive workshops and short seminars on advanced topics and methods for guiding change such as: open systems planning, future search conference, dialogue, open space, participative redesign, conflict resolution, and strategic planning. Two semesters. Limited to students in the Organization Development program.

Typically Offered Fall Only

Grading: GRD

OD 518B - Advanced Intervention Methods in Organization Development

Unit(s): 2 Intensive workshops and short seminars on advanced topics and methods for guiding change such as: open systems planning, future search conference, dialogue, open space, participative redesign, conflict resolution, and strategic planning. Two semesters. Limited to students in the Organization Development program.

Typically Offered Spring Only

Grading: GRD

OD 533A - Interpersonal Dynamics in Organization Development

Unit(s): 1-3 Experiential and conceptual study of group and interpersonal interaction processes, with an emphasis on the unfolding dynamics within the class group itself. Interpersonal feedback in the service of personal and professional development. Developmental models of group behavior. Intervention and facilitation methods and skills. Limited to students in the Organization Development program. (Three semesters.)

Typically Offered Fall Only

Grading: GRD

OD 533B - Interpersonal Dynamics in Organization Development

Unit(s): 1-3 Experiential and conceptual study of group and interpersonal interaction processes, with an emphasis on the unfolding dynamics within the class group itself. Interpersonal feedback in the service of personal and professional development. Developmental models of group behavior. Intervention and facilitation methods and skills. Limited to students in the Organization Development program. (Three semesters.)

Typically Offered Spring Only

Grading: GRD

OD 544A - Qualitative Research in Organizations

Unit(s): 1-3 This course introduces the principles and techniques of qualitative research that are relevant for designing and carrying out research in organizations. Topics may include phenomenology, action research,

social construction, grounded theory, and discourse analysis. The course goal is to facilitate the design, analysis, and reporting of research projects relevant to the practice of organization development. Open to students in the Organization Development Program only.

Typically Offered Spring Only

Grading: GRD

OD 544B - Qualitative Research in Organization

Unit(s): 1-3 This course introduces the principles and techniques of qualitative research that are relevant for designing and carrying out research in organizations. Topics may include phenomenology, action research, social construction, grounded theory, and discourse analysis. The course goal is to facilitate the design, analysis, and reporting of research projects relevant to the practice of organization development. Open to students in the Organization Development Program only.

Typically Offered Spring Only

Grading: GRD

OD 554 - Organizational Systems Inquiry

Unit(s): 3-4 Study of human systems and organizations based on core and emerging theories and research. Emphasis on application of systemic perspectives for understanding the functioning and dynamics of organizations, including structure, culture, technology, leadership, environment, and change. Limited to students in the Organization Development Program.

Typically Offered Fall Only

Grading: GRD

OD 556 - Socio-Technic Systems Redesign

Unit(s): 2-4 A seminar in the design or redesign of work organizations to increase productive effectiveness while enhancing the quality of the human work experience. Emphasis on the application of systems concepts and methods for understanding and jointly optimizing the social and technical aspects of work environments. Both classical and emerging models for addressing whole system change are considered. Limited to students in the Organization Development Program.

Prerequisite(s): PSY 554.

Typically Offered Spring Only

Grading: GRD

OD 557A - Human Systems Redesign

Unit(s): 1-4 The social construction of meaning in the context of interrelated human systems, including individuals, relationships, teams, families, organizations, communities, and the global society. This course considers analytical perspectives as well as their application to the practice of change facilitation and leadership. Open only to students in the Organization Development Program.

Typically Offered Fall Only

Grading: GRD

OD 557B - Human Systems Redesign

Unit(s): 1-4 The social construction of meaning in the context of interrelated human systems, including individuals, relationships, teams, families, organizations, communities, and the global society. This course considers analytical perspectives as well as their application to the practice of change facilitation and leadership. Open only to students in the Organization Development Program.

Typically Offered Spring Only

Grading: GRD

OD 572A - Internship and Professional Practice in Organization Development

Unit(s): 4 Seminar in current and emerging topics related to professional practice as an internal consultant, external consultant, or change leader. Students carry out 180 hours of approved supervised field projects applying Organization Development concepts and methods with groups, organizations, or communities. Two semesters. Limited to students in the Organization Development program.

Typically Offered Fall Only

Grading: CNC

OD 572B - Internship in Organization Development

Unit(s): 4 Supervised practical experience applying organization development concepts and methods in profit or nonprofit settings. Limited to students in the Organization Development Program only.

Typically Offered Spring Only

Grading: CNC

OD 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Typically Offered Variable Intermittently
Grading: CNC

OD 596 - Graduate Tutorial

Unit(s): 1-4 Seminar in selected topics. Consult semester class schedule for current offerings.

Typically Offered Variable Intermittently
Grading: OPT

OD 598 - Culminating Paper Tutorial

Unit(s): 1-4 This tutorial provides specific guidance and consultation at each phase of the students' work on the culminating paper for the Psychology M.A. in Organization Development.

Typically Offered Spring Only
Grading: CNC

Philosophy

PHIL 101 - Critical Thinking

Unit(s): 4 Critical Thinking is the best defense against intellectual trickery and self-delusion. It provides specific techniques and tools whereby we can avoid basic fallacies in our own thinking and detect them in the thought of others. Reasoning is a highly complicated human activity and cannot be satisfactorily studied in an intellectual vacuum. Hence, in this course, critical thinking and uncritical thought are contrasted in the context of the world of human interests and activities--social, political and scientific. All of the basic 'tricks' for persuading people to accept false premises and conclusions as true are systematically laid out and their detection practiced. Some basic works of world philosophers will be studied to substantiate and contextualize the technical focus of the course.

GE Category: Satisfies GE A3 (Critical Thinking).
Typically Offered Fall & Spring
Teaching Mode: This course may be taught online only during the winter and summer intersession. **Grading:** OPT

PHIL 101A - Critical Thinking

Unit(s): 2 Critical thinking is the best defense against intellectual trickery and self-delusion. It provides specific techniques and tools whereby we can avoid basic fallacies in our own thinking and detect them in the thought of others. Reasoning is a highly complicated human activity and cannot be satisfactorily studied in an intellectual vacuum. Hence, in this course, critical and uncritical thought are contrasted in the context of the world of human interests and activities -- social, political, and scientific. All of the basic "tricks" for persuading people to accept false premises and conclusions as true are systematically laid out and their detection practiced.

GE Category: Satisfies GE Area A3 (Critical Thinking). C- or better required in the second semester for A3 credit.
Typically Offered Fall Only
Grading: GRD

PHIL 101B - Critical Thinking

Unit(s): 2 Critical thinking is the best defense against intellectual trickery and self-delusion. It provides specific techniques and tools whereby we can avoid basic fallacies in our own thinking and detect them in the thought of others. Reasoning is a highly complicated human activity and cannot be satisfactorily studied in an intellectual vacuum. Hence, in this course, critical and uncritical thought are contrasted in the context of the world of human interests and activities -- social, political, and scientific. All of the basic "tricks" for persuading people to accept false premises and conclusions as true are systematically laid out and their detection practiced.

Prerequisite(s): PHIL 101A.
GE Category: Satisfies GE Area A3 (Critical Thinking). C- or better required in the second semester for A3 credit.
Typically Offered Spring Only
Grading: GRD

PHIL 102 - Introduction to Logic

Unit(s): 4 An introduction to the nature of contemporary systems of logic and their application. Students will learn how to abbreviate arguments in ordinary language, to deduce conclusions, and to locate fallacies.

GE Category: Satisfies GE Area A3 (Critical Thinking).
Typically Offered Fall & Spring
Recommended Recommended for students of the sciences, computer programming or mathematics, and the general student interested in the structure of arguments.

Teaching Mode: This course may be taught online only during the winter and summer intersession. **Grading:** OPT

PHIL 120 - Introduction to Philosophy

Unit(s): 4 This course provides an introduction to some of the enduring questions of thinking: What is the nature of knowledge, of morality, of justice, of the self, of religion, of the search for wisdom, of reality? Topics and approaches may vary from section to section. Consult the department office for current information.

GE Category: Satisfies GE Area C2.

Typically Offered Fall & Spring

Grading: OPT

PHIL 160A - Humanities Learning Community

Unit(s): 4 PHIL 160A/PHIL 160B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

PHIL 160B - Humanities Learning Community

Unit(s): 4 PHIL 160A/B is a year long course, which features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): PHIL 160A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

PHIL 165A - Humanities Learning Community

Unit(s): 4 PHIL 165A/PHIL 165B is a year long course, which, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking and C3 (Comparative Perspectives and/or Foreign Languages) GE categories. This course also fulfills the Ethnic Studies requirement. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

PHIL 165B - Humanities Learning Community

Unit(s): 4 PHIL 165A/B is a year long course, which, features weekly lectures and small seminars. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): PHIL 165A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking and C3 (Comparative Perspectives and/or Foreign Languages) GE categories. This course also fulfills the Ethnic Studies requirement. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

PHIL 200 - Philosophical Issues

Unit(s): 3 Students practice the techniques of reading and thinking critically, of expository writing, and of oral expression as they reflect together on philosophical issues. Recent topics have included Human Consciousness, Foundations of Greek and Chinese Thought, and Philosophical Issues in Global Climate Change. As students read and discuss the semester's topic, they will reflect consciously on the principles of thinking, speaking, and writing. This skills-oriented course reflects the assumption that we master skills more thoroughly when we are working on an interesting set of issues that are significant and relevant to our lives.

Prerequisite(s): completion of GE Areas A2 and A3.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated for credit.

Grading: OPT

PHIL 201 - Buddhism, Philosophy & Culture

Unit(s): 4 This course explores foundational teachings Buddhist philosophy, religion, arts and culture and examines the interactions between those teachings and Western science, philosophy and culture. Students read original writings from the Buddha as well as Buddhist scholars, selections from Western philosophy and contemporary scientific research that deals directly with

Buddhism. This course will be taught online only during the winter and summer intersession.

GE Category: Satisfies GE Area C3 (Comparative Perspectives/Foreign Languages).

Typically Offered Variable Intermittently

Teaching Mode: This course may be taught online only during the winter and summer intersession. **Grading:** OPT

PHIL 202 - Proseminar

Unit(s): 3 This course is designed to help students acquire the skills required to successfully major or minor in Philosophy, skills such as making effective oral presentations or critically evaluating demanding philosophical texts. The course will be based on an investigation of important contemporary or historical problems, and attention will be paid to both analytic and continental approaches to these problems. Possible topics of discussion are: postmodern critiques of science, moral relativism, arguments for the existence of God, the good life, the nature of emotions, and the nature of beauty. Topics will vary from year to year depending on the interests of faculty.

Prerequisite(s): current Philosophy major or minor, or permission of instructor.

Typically Offered Fall Only

Grading: OPT

PHIL 203 - Global Justice

Unit(s): 4 This course covers theoretical and practical issues of global justice. Topics may include: what obligations wealthy nations owe to the global poor; responsibility for the costs of climate change; what rules should govern international trade; when going to war is just; whether terrorism is a legitimate means of conducting war; how terrorism may be combated; whether nations have the right to exclude immigrants; whether we should have numerous nation-states or one cosmopolitan society.

GE Category: Satisfies GE, area C2.

Typically Offered Variable Intermittently

Grading: GRD

PHIL 204 - Applied Ethics

Unit(s): 4 The focus of this course is the philosophical examination, from a moral standpoint, of pressing issues that we as human beings face today. For example,

depending on the faculty member teaching, the course might focus on the ethics of science and technology, environmental ethics, bioethics, or business ethics. Students will gain an understanding of moral theory in this course but always through a practical field of study. The course is essentially interdisciplinary.

Typically Offered Spring Only

Grading: OPT

PHIL 205 - Ethics, Law , and Society Forum

Unit(s): 1 A series of events focused on current issues in law, ethics, and justice. The events will include visiting lectures, debates, film screenings, and workshops.

GE Category: Satisfies GE, area C2. These events will cover a wide-ranging and evolving range of topics, such as racial identity, climate change, technology and war, human trafficking, gender and sexuality law, distributive justice, privacy, and more.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: CNC

PHIL 207 - Philosophical Movements

Unit(s): 4 A class dedicated to a range of alternative historical movements in philosophy. They can be chosen from ancient, medieval, modern, or contemporary examples. As movements they have some degree of unity or cohesiveness within their historical period, and their study seeks to describe, besides their internal characteristics, this historical context. Previous examples of movements taught have included: existentialism, phenomenology, ordinary language philosophy, American pragmatism, deconstruction, and the Frankfurt School.

Typically Offered Spring Only

Grading: OPT

PHIL 212 - The Good Life

Unit(s): 4 The good life has been a subject of philosophical reflection for centuries. This course looks at how different cultures have addressed a variety of questions concerning the good life from a philosophical perspective. Specific topics may include: what counts as a good life; what happiness is; the relation between morality and the good life; what makes for a life with meaning; whether we really matter in the big picture; whether we can make a difference; whether life is absurd; and whether death is bad for the one who dies.

Typically Offered Spring Only
Grading: GRD

PHIL 273 - Critical and Creative Readings of Philosophical Literature

Unit(s): 4 This course explores a variety of key philosophical concepts such as truth, justice, equality, fairness, the good and beauty within the historical, socio-cultural and political contexts from out of which they developed and continue to do so. Students will gain a deeper understanding of these ideas while learning how to read and write about them in a variety of different contexts.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring
Grading: GRD

PHIL 275 - Race, Racism, Law , and Society

Unit(s): 4 This course covers theoretical, practical, and legal issues surrounding race and racism. Topics may include: what counts as 'racist'; when discrimination is allowable; racial profiling; tolerating cultural differences; whether race-thinking makes sense; and the nature of racial identities like white or Latino.

GE Category: Satisfies GE category C3 and Ethnic Studies.

Typically Offered Variable Intermittently
Grading: OPT

PHIL 276 - Gender and Social Justice

Unit(s): 4 This course uses philosophy's tools to analyze how gender has been implicated in questions of social justice that arise in a multi-cultural, global context. The investigation will be intersectional, in that it looks at how gender identities interact with other socially relevant identities, such as race, sexuality, and culture. It also will be multi-cultural, in that it looks at a variety of perspectives on these questions from around the globe.

Typically Offered Fall Only
Grading: GRD

PHIL 301 - Philosophy of Science and Technology

Unit(s): 4 Recently the scope and speed of scientific discovery and technological change has noticeably accelerated with the advent of information technology. Fantastic claims have been made in regards to our potential to understand through science and control through technology nearly every aspect of the natural world, including our own bodies and minds. We will look at science and technology as a human practice that inherently fosters certain social values at the expense of others.

Typically Offered Fall Only
Grading: OPT

PHIL 302 - Ethics and Value Theory

Unit(s): 4 An overview of the philosophical analysis of ethics, morality and values. Issues to be discussed include: What is the difference between right and wrong actions? Are moral principles universal or relative? Are values real or imagined? How can moral judgments be justified?

GE Category: Satisfies GE C2

Typically Offered Fall & Spring

Teaching Mode: This course may be taught online only during the winter and summer intersession. **Grading:** OPT

PHIL 303 - Social and Political Philosophy

Unit(s): 3 A philosophical examination of the Western tradition of social and political thought. The course will discuss topics such as justice and the ideal society, the question of justified revolution, the role of private property, freedom, individual rights and social welfare, different forms of government, and the role of values in political deliberation.

Typically Offered Fall Only
Grading: OPT

PHIL 306 - Contemporary Topics in Philosophy

Unit(s): 4 This course introduces students to themes, thinkers, and debates within contemporary philosophy. While the specific emphasis may vary, the course engages with the open-ended problems and concerns that currently animate philosophical research. Students will be encouraged to think self-reflexively about the nature of philosophical thinking and the ways in which philosophy participates in public debates today. Topics may include globalization and financial crisis, democracy and violence, post-colonialism, neo-liberalism, market critique, religious

pluralism, media and pop culture, law, and social movements.

Typically Offered Spring Only
Grading: OPT

PHIL 307 - Philosophical Figures

Unit(s): 4 This course provides students with an in-depth study of one or more figures from the philosophical literature. Faculty will select the specific figures in light of their current research interests and projects. The course can range over historical and contemporary texts. Possible topics might include Hegel, Kant, Nietzsche, Aristotle, Heidegger, and Habermas. Per faculty interest, students may study philosophical figures from non-Western traditions, such as Buddhism.

Typically Offered Fall Only
Grading: OPT

PHIL 309 - Philosophy and Robotics

Unit(s): 4 Robotics stands to transform every aspect of our society. This class explores the values and ethical norms that are impacted by the development of these technologies as well as the political policies that might need to be developed to mitigate those impacts. The course includes lecture and lab sessions so the student can learn the practice, as well as the theories, behind the creation of robotics technologies. The labs utilize the SSU Maker Space and students will engage in hands on interactions with simple robotics systems.

Typically Offered Spring Only
Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

PHIL 312 - Philosophy of Love and Emotion

Unit(s): 4 Students examine the nature of love and emotion through a philosophically informed interdisciplinary framework. Philosophy provides the means for integrating recent empirical theories of love from psychology, biology and neuroscience. Students read historical and contemporary philosophical writings and selections from work in evolutionary biology, the neurological structure of emotion, attachment theory, positive and developmental psychology and social psychology. Students integrate these diverse theoretical approaches using the tools of philosophy.

Typically Offered Variable Intermittently
Teaching Mode: This course may be taught online only

during the winter and summer intersession. **Grading:** GRD

PHIL 375 - Drugs, Prostitution, Punishment and More: Philosophy of Law

Unit(s): 4 This course will expose students to classical and contemporary issues in Philosophy of Law. Topics may include the following: When can the government use the law to infringe on our liberty? Is it legitimate for the law to force us to act in our own best interests, say by prohibiting drugs or prostitution? When can the law interfere with freedom of expression? In particular, can it prohibit offensive speech, such as racist or sexist speech, or pornography? Should we abolish punishment, so that criminal offenders are never punished for their crimes? This course will also address classical analytic jurisprudence.

Typically Offered Fall Only
Grading: OPT

PHIL 377 - Legal reasoning and the LSAT

Unit(s): 4 This course will expose students to legal reasoning in order to prepare them for the LSAT. It builds skills in the kind of Analytical Reasoning and Logical Reasoning that constitute the core of the LSAT and covers logical concepts, analytical reading, application of legal concepts, oral arguments and reasoning.

Typically Offered Fall & Spring
Grading: GRD

PHIL 390 - Advanced Topics in Philosophy

Unit(s): 1-6 Topics courses are intended to cover some particular aspect of a philosophical problem, a particular philosopher, or some philosophical issue not normally explored in detail in any of the standard course offerings. Topics include: philosophy in literature, American philosophy, phenomenology, advanced logic, philosophy of science, Eastern world views, and 20th century philosophy.

Typically Offered Not Recently Offered **May Be Repeated** May be repeated (with a different focus) for credit.
Grading: OPT

PHIL 399 - Student-Instructed Course

Unit(s): 1-3 An introductory or advanced course designed by a senior or graduate student and taught under the supervision of faculty sponsor(s).

Typically Offered Variable Intermittently

Grading: CNC

PHIL 400 - Senior Seminar

Unit(s): 4 A capstone research-based seminar for students in their senior year. Students determine topics based on their concentration in the major. Students must complete 32 units of credit, including all their lower division major unit load before taking this course.

Typically Offered Spring Only **May Be Repeated** May not be repeated for credit.

Grading: OPT

PHIL 450 - Senior Thesis (A)

Unit(s): 3 Writing of a paper deemed acceptable by a faculty director and reader. Superior papers nominated for distinction will be defended before the philosophy faculty. Students wishing to be candidates for graduation "with distinction" are urged to write a thesis.

Prerequisite(s): advanced standing and instructor consent.

Typically Offered Fall Only

Grading: OPT

PHIL 452 - Senior Thesis (B)

Unit(s): 3 Writing of a paper deemed acceptable by a faculty director and reader. Superior papers nominated for distinction will be defended before the philosophy faculty. Students wishing to be candidates for graduation "with distinction" are urged to write a thesis.

Prerequisite(s): PHIL 450

Typically Offered Spring Only

Grading: OPT

PHIL 462 - Research Assistant in Philosophy

Unit(s): 1-6 Intended to give selected students experience in participating in the construction of a professor's research project.

Prerequisite(s): advanced standing and a faculty invitation.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: OPT

PHIL 470 - Teaching Assistant in Philosophy

Unit(s): 1-6 Intended to give students experience in assisting the instructor in a philosophy course by doing research and tutoring students in the class.

Prerequisite(s): advanced standing and consent of the instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

PHIL 495 - Special Studies

Unit(s): 1-4 Advanced individualized instruction and research with one or more members of the philosophy faculty. The course is designed to provide advanced students with an opportunity to do specialized research and study under strict faculty supervision.

Prerequisite(s): consent of the instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

PHIL 499 - Law , Ethics, and Justice Internship

Unit(s): 4 Supervised training and experience in applied philosophy for advanced students in community organizations. Internship contracts are required.

Prerequisite(s): consent of the instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated one time for credit.

Grading: CNC

PHIL 595 - Special Studies in Philosophy

Unit(s): 1-6 Advanced research and writing. Students work under close supervision of faculty members. Subject matter variable.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: OPT

Physics

PHYS 100 - Descriptive Physics

Unit(s): 3 Lecture: 3 hours A descriptive survey of the important principles of physics.

GE Category: Satisfies GE Area B1 or B3 (Physical Sciences). Registration for Chemistry, Physics, or Mathematics majors requires Physics and Astronomy Department consent.

Typically Offered Fall & Spring

Grading: OPT

PHYS 102 - Descriptive Physics Laboratory

Unit(s): 1 Laboratory: 3 hours Experimental demonstrations, exercises, and field trips illustrating the methods by which physicists have learned what they claim to know about the world. Instruction is at the PHYS 100 level.

GE Category: Satisfies GE Area B1 or B3 (Physical Sciences) and GE laboratory requirements.

Typically Offered Variable Intermittently

Grading: OPT

PHYS 114 - Introduction to Physics I

Unit(s): 4 Lecture: 4 hours The first of three basic sequential courses in physics for science and mathematics majors. A calculus based introduction to classical mechanics; including vector analysis, laws of motion, conservation laws, and rotational motion.

Prerequisite(s): MATH 161 or 161B, or equivalent, or consent of instructor.

GE Category: Satisfies GE Area B1 or B3 (Physical Sciences).

Typically Offered Fall & Spring

Grading: OPT

PHYS 114W - Physics I Workshop

Unit(s): 1 A workshop designed to be taken with PHYS 114. Exploration of first-semester calculus based physics concepts through inquiry based learning and problem solving in a group setting.

Co-requisite(s): PHYS 114

Typically Offered Fall & Spring

Grading: CNC

PHYS 116 - Introductory Laboratory Experience

Unit(s): 1 Laboratory: 3 hours Demonstrations and participatory experiments are used to increase the

student's familiarity with classical mechanics. Applications include biological, geophysical, medical, and environmental phenomena.

Prerequisite(s): PHYS 114. **Co-requisite(s):** PHYS 114.

GE Category: Satisfies GE Area B1 or B3 (Physical Sciences) and GE laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

PHYS 209A - General Physics Laboratory

Unit(s): 1 Laboratory: 3 hours Laboratory experiments to accompany PHYS 210A and develop the student's ability to perform measurements of physical phenomena and to increase their appreciation of the sense of the physical universe gained through experimentation.

Prerequisite(s): high school algebra and trigonometry and a high school physical science, and previous or concurrent enrollment in PHYS 210A.

GE Category: Satisfies GE Area B1 or B3 (Physical Sciences) and GE laboratory requirements.

Typically Offered Fall & Spring

Grading: OPT

PHYS 209B - General Physics Laboratory

Unit(s): 1 Laboratory: 3 hours Laboratory experiments to accompany PHYS 210B and develop the student's ability to perform measurements of physical phenomena and to increase their appreciation of the sense of the physical universe gained through experimentation.

Prerequisite(s): PHYS 209A and PHYS 210A or PHYS 114 and PHYS 116. Concurrent enrollment in PHYS 210B is strongly recommended.

Typically Offered Fall & Spring

Grading: OPT

PHYS 210A - General Physics

Unit(s): 3 Lecture: 3 hours A basic course in physics for students majoring in Biology, Geology, or preprofessional programs. Fundamentals of kinematics, Newton's laws, work, momentum, harmonic motion, and an introduction to fluids and concepts of temperature. Registration by Mathematics majors requires Physics and Astronomy Department approval.

Prerequisite(s): Students need to be GE Math ready to register for this course.

GE Category: Satisfies GE Area B1 or B3 (Physical

Sciences).

Typically Offered Fall & Spring

Grading: OPT

PHYS 210B - General Physics

Unit(s): 3 Lecture: 3 hours A basic course in physics for students majoring in Biology, Geology, or preprofessional programs. Topics include: electric charges, potentials, fields and currents, magnetism, electromagnetic waves, and optics. Registration by Mathematics majors requires Physics and Astronomy Department approval.

Prerequisite(s): PHYS 210A or PHYS 114.

Typically Offered Fall & Spring

Grading: OPT

PHYS 214 - Introduction to Physics II

Unit(s): 4 Lecture: 4 hours The continuation of PHYS 114. Electrostatics, quasistatic fields and currents, magnetostatics; electromagnetic induction; waves; physical and geometric optics.

Prerequisite(s): PHYS 114 and MATH 211.

Typically Offered Fall & Spring

Grading: OPT

PHYS 216 - Introductory Laboratory

Unit(s): 1 Laboratory: 3 hours Selected experiments to increase the student's working physical knowledge of the natural world.

Prerequisite(s): PHYS 114 and PHYS 116 and MATH 211. Concurrent enrollment in PHYS 214 is strongly recommended.

Typically Offered Fall Only

Grading: OPT

PHYS 300 - Physics of Music

Unit(s): 3 Lecture: 3 hours Introduction to physical principles encountered in the study of music, applicable laws of mechanics and acoustics, harmonic analysis, musical scales, sound production in musical instruments, elements of electronic music.

GE Category: Satisfies GE Area B3 (Specific Emphasis).

Typically Offered Spring Only

Grading: OPT

PHYS 313 - Electronics

Unit(s): 3 Lecture: 3 hours A comprehensive review of DC and AC circuit theory, applications of diodes, transistors and operational amplifiers, electronic test instruments, electronic transducers, waveform generators, noise, logic gates and Boolean algebra, number systems and codes, combinational logic circuits, and applications of circuit simulation programs.

Prerequisite(s): MATH 160 or MATH 161 or MATH 161X, PHYS 210B or PHYS 214; or consent of instructor. **Co-requisite(s):** PHYS 313L

Typically Offered Spring Only

Grading: OPT

PHYS 313L - Electronics Laboratory

Unit(s): 1 Laboratory: 3 hours Laboratory to accompany PHYS 313. Experiments in this lab are designed to address the major topics of the PHYS 313 lecture course. Students will experiment with physical and simulated circuits.

Prerequisite(s): PHYS 209B or PHYS 216 and MATH 160, MATH 161B or MATH 161 or MATH 161X, or consent of instructor. **Co-requisite(s):** PHYS 313

Typically Offered Spring Only

Grading: OPT

PHYS 314 - Introduction to Physics III

Unit(s): 4 Lecture: 4 hours The continuation of PHYS 214. Special relativity, elementary quantum mechanics, the Bohr atom and deBroglie waves, the Schrödinger wave equation with applications to simple one-dimensional problems and to atomic structure, elementary nuclear physics, introduction to thermal physics and equilibrium statistical mechanics, the partition function, Boltzmann statistics.

Prerequisite(s): PHYS 214 and MATH 261.

Typically Offered Spring Only

Grading: OPT

PHYS 320 - Analytical Mechanics

Unit(s): 3 Lecture: 3 hours This course is an exploration into the principles of Newtonian, Lagrangian, and Hamiltonian mechanics. It also includes a treatment of noninertial reference frames, rigid body rotation, central force problems, and the dynamics of a system of particles.

Prerequisite(s): PHYS 114 and PHYS 325.

Typically Offered Spring Only

Grading: OPT

PHYS 325 - Introduction To Mathematical Physics

Unit(s): 3 Lecture: 3 hours This course examines advanced mathematical methods and serves as a foundation for future courses. Topics include coordinate systems and vectors, vector calculus, series expansions, differential equations, orthonormal functions, solutions of systems of linear equations, matrices and tensors, complex numbers, eigenvalues and eigenfunctions, Fourier series and Fourier integrals, and use of mathematical symbolic processing software.

Prerequisite(s): PHYS 214 and MATH 261, or consent of instructor.

Typically Offered Fall Only

Grading: OPT

PHYS 340 - Light and Optics

Unit(s): 3 Lecture: 3 hours An examination of the properties of light from geometric and physical optics perspectives. Topics include: ray optics, refraction, diffraction, coherence, interference, and polarization. The course will present Fermat's principle, Huygens' principle, and Fourier optics.

Prerequisite(s): PHYS 314 or 325.

Typically Offered Spring Only

Grading: OPT

PHYS 342 - Light and Color

Unit(s): 3 Laboratory: 3 hours A non-mathematical but analytical treatment of the physical properties of light and investigation of its perception and uses. This course includes examining cameras, telescopes and microscopes, the color and depth perception of the human eye; wave optics, holography and current visual reality technology.

Prerequisite(s): any physical science course or consent of instructor.

GE Category: Satisfies GE Area B3 (Specific Emphasis in Natural Sciences).

Typically Offered Fall Only

Grading: OPT

PHYS 366 - Intermediate Experimental Physics

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours An introduction to contemporary techniques and problems in physics. Selected topics in lasers and photonics, materials science (including high-magnetic field measurements and surface analysis using scanning electron and atomic force

microscopy), X-ray analysis, and adaptive optics.

Prerequisite(s): PHYS 314 and PHYS 216, or consent of instructor.

Typically Offered Spring Only

Grading: GRD

PHYS 381 - Computer Applications for Scientists

Unit(s): 2 Lecture: 1 hour **Laboratory:** 3 hours A survey of problem solving techniques including computer modeling and simulation for the physical sciences. The student is introduced to high-level programming languages such as C++ and various mathematical tools such as Excel, Mathematica, and MatLab. Topics include modern programming techniques, use of graphics and mathematical function libraries, linear least squares data fitting techniques, numerical solution of algebraic and differential equations, and error analysis.

Prerequisite(s): PHYS 114 and MATH 211.

Typically Offered Fall Only

Grading: OPT

PHYS 395 - Community Involvement Program

Unit(s): 1-2 CIP involves students in basic community problems related to physics and astronomy -- performing such tasks as tutoring; reading to the blind; service to local, county, and state agencies; and service as teacher aides to elementary schools. Students receive 1-2 units, depending on the specific task performed. Not more than 4 CIP units will be applicable to the Physics major requirements. May be taken by petition only.

Typically Offered Not Recently Offered

Grading: CNC

PHYS 396 - Selected Topics in Physics

Unit(s): 1-4 A course of lectures on a single topic or set of related topics not ordinarily covered in the Physics curriculum.

Prerequisite(s): consent of instructor.

Typically Offered Not Recently Offered **May Be**

Repeated The course may be repeated for credit with a different topic.

Grading: OPT

PHYS 430 - Electricity and Magnetism

Unit(s): 3 Lecture: 3 hours An investigation into the fundamentals of electromagnetic theory and its applications. Topics include vector analysis, electrostatics, method of images, magnetostatics, electric currents, electromagnetic induction, electric and magnetic fields in matter, Maxwell's equations, electromagnetic waves, potentials, and fields.

Prerequisite(s): PHYS 214 and PHYS 325. **Crosslisted:** EE 430

Typically Offered Spring Only

Grading: OPT

PHYS 445 - Photonics

Unit(s): 3 Lecture: 3 hours A practical examination of Gaussian beams; guided-wave optics; fiber optics; optical resonators; resonant cavities; laser oscillation and amplification; laser excitation; optical pumping; solid state, gas, dye, chemical, excimer, and free electron lasers; semiconductor lasers; laser spectroscopy; fiber optic communication; photomultiplier and semiconductor radiation detectors including photoconductors and junction photodiodes; p-i-n diodes and avalanche photodiodes; and detector noise.

Prerequisite(s): PHYS 314 or consent of instructor.

Crosslisted: CES 430 and EE 445

Typically Offered Variable Intermittently

Grading: OPT

PHYS 450 - Statistical Physics

Unit(s): 2 Lecture: 2 hours An introduction to statistical methods. Topics include ideal gas, heat capacities, entropy, enthalpy, and the laws of thermodynamics; Boltzmann, Bose, and Fermi statistics; and applications such as engines and refrigerators.

Prerequisite(s): PHYS 314.

Typically Offered Fall Only

Grading: OPT

PHYS 460 - Quantum Physics

Unit(s): 3 Lecture: 3 hours This course examines the Schrödinger equation and its solution for free particles, potential wells, harmonic oscillators, central potentials, and the hydrogen atom. Other topics may include Hilbert space, Hermitian operators, Dirac notation, angular momentum and spin, scattering, wave function symmetry, and elementary perturbation theory.

Prerequisite(s): PHYS 314 and PHYS 325.

Typically Offered Fall Only

Grading: OPT

PHYS 466 - Advanced Experimental Physics

Unit(s): 3 Lecture: 2 hours **Laboratory:** 3 hours Advanced topics in lasers and photonics, materials science (including high-magnetic field measurements and surface analysis using scanning electron and atomic force microscopy), X-ray analysis, and adaptive optics.

Prerequisite(s): PHYS 314 and PHYS 216, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

PHYS 475 - Physics of Semiconductor Devices

Unit(s): 3 Lecture: 3 hours A detailed study of semiconductors and their applications. Topics include semiconductor materials, crystal structure and growth, energy bands and charge carriers, conductivity and mobility, metal-semiconductor and p-n junctions, p-n junction diodes, bipolar junction transistors, field-effect transistors, CCDs, photonic devices, and integrated circuits. Conductivity and contact resistance measurements, I-V and C-V characteristics of diodes, characterization of transistors.

Prerequisite(s): PHYS 314 or consent of instructor.

Crosslisted: CES 432 and EE 432

Typically Offered Variable Intermittently

Grading: OPT

PHYS 491 - Capstone Preparatory Seminar

Unit(s): 1 A one-hour seminar designed to be taken concurrently with a capstone course. This supports students conducting their capstone, presenting key concepts such as managing and scheduling large projects and presenting research through written, visual, and verbal means. Students share weekly progress reports and the course supports students in their preparation of concluding posters and oral presentations.

Co-requisite(s): PHYS 492, PHYS 493, PHYS 497, ASTR 492, or ASTR 497 or consent of instructor.

Typically Offered Spring Only

Grading: GRD

PHYS 492 - Instructional Design Project

Unit(s): 2 A directed project to develop at least one laboratory experiment and/or classroom activity that teaches basic concepts in undergraduate physics. Both written and oral presentations (including a demonstration of the experiment or activity) will be required.

Prerequisite(s): PHYS 214 and PHYS 216 or PHYS 210B and PHYS 209B.

Typically Offered Fall & Spring

Grading: GRD

PHYS 493 - Senior Design Project

Unit(s): 2 A directed project to develop either a working prototype or a detailed conceptual design for an operational laboratory device. Both written and oral presentations (including a demonstration) will be required.

Prerequisite(s): PHYS 313L. Application form required prior to enrollment.

Typically Offered Fall & Spring

Grading: OPT

PHYS 494 - Physics Seminar

Unit(s): 1 A series of lectures on topics of interest in physics, astronomy, and related fields.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 3 units maximum.

Grading: OPT

PHYS 495 - Special Studies

Unit(s): 1-4 The Physics and Astronomy Department encourages independent study and considers it to be an educational undertaking. Students wishing to enroll for special studies are required to submit proposals to their supervising faculty members that outline their projects and exhibit concrete plans for their successful completion.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

PHYS 497 - Undergraduate Research in Physics

Unit(s): 2 Supervised research in an area of physics that is currently under investigation by one or more members of the Physics and Astronomy Department's faculty. Both written and oral presentations will be required.

Prerequisite(s): junior-level standing and consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

Political Science

POLS 151 - Credit by Exam: California Government

Unit(s): 1 The state code requirement in California state and local government may be satisfied by passing an examination in the Political Science department.

Prerequisite(s): Students are only allowed to attempt POLS 151 two times.

Typically Offered Fall & Spring

Grading: CNC

POLS 199 - Introductory Topics in Political Science

Unit(s): 1-4 A lower division lecture/discussion series on a specific theme or topic presented by members of the department, other SSU faculty, and guest speakers. May be audited (space permitting) or taken for credit.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.

Grading: OPT

POLS 200 - American Political System

Unit(s): 3 An examination of American politics and governmental institutions. Introduces students to the political system and how to participate in it, should the need arise. Satisfies the code requirements in American Constitution and California state and local government.

GE Category: Satisfies GE Area D4 (U.S. Constitution and State and Local Government).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Hybrid. **Grading:** OPT

POLS 201 - Ideas and Institutions

Unit(s): 4 An analysis of the basic political values and their impact on society. Students will be introduced to the relationship between values, ideology, and the political process. Political Science majors are expected to take this course, which stresses written expression, during their first year in the department.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring

Grading: OPT

POLS 202 - Issues in Modern American Politics

Unit(s): 4 Leaders and issues in American political life considered in relation to major policies and movements, e.g., progressivism, isolationism, the New Deal, and containment.

GE Category: Satisfies GE Area D4 (U.S. Constitution and State and Local Government).

Typically Offered Fall & Spring

Grading: OPT

POLS 302 - Social Science Research Methods

Unit(s): 4 Social science research methods, emphasizing various facets of research design such as hypothesis formulation, literature review and/or computer-based data analysis. May include building data files and engaging in data analysis using quantitative or qualitative methods in a directed research project. Course includes up to a two-hour laboratory.

Typically Offered Fall & Spring

Grading: OPT

POLS 303 - Comparative Political Analysis

Unit(s): 4 Reviews the principal concepts and theories of comparative politics, and assesses the institutions that comprise varied systems of government. Concrete examples taken from modern systems will be applied throughout the course. Special attention is focused on the political systems of Britain, France, Japan, Russia, and China. Students are assigned research projects on political systems of developing nations.

Typically Offered Fall & Spring

Grading: OPT

POLS 304 - Theory and Analysis of International Relations

Unit(s): 4 An analysis of the dynamics of the international political system, stressing the roles of supranational organizations, internal and external factors in foreign policy formulation by nation-states. Review of traditional and contemporary theories of international interaction.

Typically Offered Fall & Spring

Grading: OPT

POLS 307 - Perspectives on the Holocaust and Genocide

Unit(s): 4 This course is a weekly lecture series on the Holocaust, selected genocides and human rights. Guest lecturers and SSU faculty provide a variety of political and interdisciplinary perspectives on the topics. The course explores the intellectual, emotional, and ethical aspects of the Holocaust and genocides and seeks to deepen students' understanding of organized society, political leadership, democratic participation and human nature. Students also attend a weekly discussion group to explore and synthesize information presented in the weekly lectures.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

GE Category: Satisfies upper-division GE, Category D5, (Contemporary International Perspectives.)

Typically Offered Spring Only

Grading: GRD

POLS 310 - Classical Political Thought

Unit(s): 2-4 A comprehensive look at the foundations of Western political thought, with particular attention to the theories of Plato, Aristotle, and Thomas Aquinas.

Typically Offered Variable Intermittently

Grading: OPT

POLS 311 - Modern Political Thought: Machiavelli to Obama

Unit(s): 4 Examination of the major writings from Machiavelli to the present. Emphasis on original sources and development of student opinions on ideas discussed.

Typically Offered Variable Intermittently

Grading: OPT

POLS 312 - American Political Thought

Unit(s): 4 An examination of the development of American political ideas as reflected in the works and careers of representative writers and political leaders.

Typically Offered Variable Intermittently

Grading: OPT

POLS 313 - Critical Theory: Race and Gender

Unit(s): 4 Using race and gender as analytical tools, we investigate how major authors in the field "deconstruct" concepts such as rights, democracy, the autonomous individual, and freedom. We will evaluate the central proposition of critical theory that these political principles have been used to "disguise" disparities in power and resources in this country. The ultimate question students will answer, is how useful critical theory is in reevaluating our political values as we face an increasingly diverse and interdependent world.

Typically Offered Variable Intermittently
Grading: OPT

POLS 314 - Environmental Political Theory

Unit(s): 4 This course covers contemporary political theory related to the environment, human/nature relations, theories of environmental and social justice and related movements, and theories of sustainability. Texts include works on feminism, justice, sustainability, political ideologies, political economy, and democracy.

Typically Offered Variable Intermittently
Grading: OPT

POLS 315 - Modern Political Ideologies

Unit(s): 3-4 Examination of the major ideas of important theorists about the relationships among democracy, capitalism, and socialism. A consideration of the actual strengths and shortcomings of some of the current world's major political/economic systems that attempt to put these ideas into practice.

GE Category: Satisfies GE Area D5 (Contemporary International Perspectives).

Typically Offered Fall & Spring
Grading: OPT

POLS 320 - State, City, and County Government

Unit(s): 4 Study of the political structure and process at the state, county, and municipal levels, with emphasis on urban and regional problems. The changing relationships between the state and federal governments will be explored. Political decision making at all three levels will be discussed in depth. Can be used to fulfill prerequisite courses for the M.P.A. program for structure of state and local government agencies, as well as the political science requirement for the California cultural studies major.

GE Category: Satisfies, by petition, the state code requirement in California state and local government.

Typically Offered Variable Intermittently
Grading: OPT

POLS 330 - Race, Ethnicity, and Politics

Unit(s): 4 A survey of the unique impact of race and ethnicity on American politics, including analysis of constitutional, legal, and historical factors affecting the status of persons of color. Attention to the role race and ethnicity play in the media, elections, political participation and representation, public opinion, public policy, and popular culture.

Typically Offered Variable Intermittently
Grading: OPT

POLS 345 - Model United Nations (MUN)

Unit(s): 4 Introduction to the political structure and functions of the United Nations, with emphasis on team participation at the Western MUN or National MUN in New York. Students play decision-maker roles that they research for preparation of position papers on agenda items. Consent of instructor required.

Typically Offered Spring Only
Grading: OPT

POLS 350 - European Parliamentary Democracies

Unit(s): 4 The theory and practice of democratic government in Britain, France, and Germany. Using the United States as a basis for comparison, the course will consider the many important variations in the ways parties, parliaments, bureaucracies, and executives have developed and perform in the European political arena.

Typically Offered Variable Intermittently
Grading: OPT

POLS 351 - Politics of Russia

Unit(s): 4 The political evolution of Russia in the post-Soviet era. Evaluation of Russian political institutions and political culture. Appraisal of the most significant problems affecting democratic transition. Review of Soviet political traditions.

Typically Offered Variable Intermittently
Grading: OPT

POLS 352 - Politics of Eastern Europe

Unit(s): 4 The political development of the East European nations from the interwar period to the present. Special attention is paid to the problems and prospects for democratic transition in the region, with particular concentration on Hungary, the Czech Republic, Poland, and the former Republics of Yugoslavia.

Typically Offered Variable Intermittently
Grading: OPT

POLS 390 - Special Topics

Unit(s): 1-4 A seminar lecture series on a specific theme or topic presented by members of the department, other SSU faculty, and guest speakers. May be audited or taken for credit.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

POLS 391 - Gender and Politics

Unit(s): 4 This course explores how gender is used to interpret American politics. Major works in the field are used to investigate the explanatory power of gender as an analytic category. Specific topics include the Constitution, elections, the media, social movements, race, sexuality, and comparative issues. How these aspects of American politics affect, and are affected by, men and women, will be addressed.

Typically Offered Variable Intermittently
Grading: OPT

POLS 406 - Interdisciplinary Seminar

Unit(s): 1-4 **Typically Offered** Variable Intermittently
Grading: OPT

POLS 415 - Explorations in Political Theory

Unit(s): 3-4 A seminar dealing with selected topics in political theory, including contemporary theories of the political system, the political novel, revolutionary theorists, and socialist theory. A different area of emphasis will be offered each year. Consult Schedule of Classes for current offering.

Typically Offered Variable Intermittently
Grading: OPT

POLS 420 - American Political Development

Unit(s): 4 The development of American Political institutions including the Congress, the Presidency, the Political Party System, the Public Bureaucracy, and Federalism over time from the early years of the republic to the present. Emphasis will be upon explaining stability, critical junctures, and political change on those institutions understood from a development perspective.

Typically Offered Variable Intermittently
Grading: OPT

POLS 421 - Federal and Intergovernmental Relations

Unit(s): 3-4 This course examines how the different levels of government interact in the creation and implementation of public policies at the federal, state and local levels. The class provides students with an understanding of the theory and reality of federalism in the American political system. Can be used to fulfill prerequisite course for M.P.A. program for intergovernmental relations.

Typically Offered Variable Intermittently
Grading: OPT

POLS 422 - Rights of the Accused

Unit(s): 4 Leading constitutional cases in criminal justice including: search and seizure, death penalty, electronic surveillance, privilege against self-incrimination, jury trial, right to counsel, and double jeopardy, will be studied in detail.

Prerequisite(s): POLS majors, minors and Juniors and Seniors only **Crosslisted:** CCJS 405
Typically Offered Spring Only
Grading: GRD

POLS 423 - Introduction to Constitutional Law

Unit(s): 4 Judicial interpretation of the Constitution, with particular emphasis upon separation of powers, presidential powers, relationship between state and national government control of interstate commerce, and jurisdiction of the courts.

Prerequisite(s): POLS majors, minors and Juniors and

Seniors only **Crosslisted:** CCJS 404

Typically Offered Spring Only

Grading: OPT

POLS 424 - The Bill of Rights, Civil Liberties, and the Constitution

Unit(s): 4 Judicial interpretation of the Constitution in the areas of civil liberties, freedom of speech, freedom of religion, rights of persons accused of crimes, citizenship, and the government's responsibility to protect persons from discrimination.

Prerequisite(s): POLS majors, minors and Juniors and

Seniors only **Crosslisted:** CCJS 489

Typically Offered Fall Only

Grading: OPT

POLS 425 - The American Party System

Unit(s): 4 An examination of political parties in the American system. Comparison with party systems in other democratic countries, Independent voters, third parties, proposed reforms, and the nature of the electorate.

GE Category: Satisfies, with Political Science department chair's signature, the state code requirement in U.S. constitution and California state and local government.

Typically Offered Variable Intermittently

Grading: OPT

POLS 426 - The Legislative Process

Unit(s): 4 An examination of the organization and operation of the American Congress. For comparative purposes, legislatures in selected American states and Western European democracies will be briefly considered.

GE Category: Satisfies, with Political Science department chair's signature, the state code requirement in U.S. Constitution and California state and local government.

Typically Offered Variable Intermittently

Grading: OPT

POLS 427 - The American Presidency

Unit(s): 4 An examination of the place of the Presidency in the American governmental system. Emphasis will be placed upon the interplay between the president and other elements of the system, particularly the Congress, the bureaucracy, and the media.

GE Category: Satisfies, with Political Science department chair's signature, the state code requirements in U.S. Constitution and California state and local government.

Typically Offered Variable Intermittently

Grading: OPT

POLS 428 - Seminar in California Politics and Government

Unit(s): 4 Analysis of the California political system. Attention is given to governmental institutions, but primary emphasis is upon parties, interest groups, public opinion, ideologies, and leadership. Can be used to fulfill prerequisite courses for the M.P.A. program for structure of state and local government agencies, as well as the political science requirement for the California Cultural Studies major.

GE Category: Satisfies, with Political Science department chair's signature, the state code requirement in U.S. Constitution and California state and local government.

Typically Offered Variable Intermittently

Grading: OPT

POLS 429 - Interest Groups

Unit(s): 4 The role of interest groups in the American policy-making process at both federal and state levels. Group formation, the influence of money and P.A.C.s on election outcomes, and lobbying reform.

GE Category: Satisfies, with Political Science department chair's signature, the state code requirement in U.S. constitution and California state and local government.

Typically Offered Variable Intermittently

Grading: OPT

POLS 430 - Introduction to Public Administration

Unit(s): 4 An introduction to the field of public administration, with emphasis upon bureaucratic life, leadership, and decision-making.

Crosslisted: CCJS 365

Typically Offered Variable Intermittently

Grading: OPT

POLS 431 - Politics and the Media

Unit(s): 4 The role of the mass media in American political life. Emphasis on television, news magazines, major newspapers, and political columnists, and their interrelationship with American political institutions.

Typically Offered Variable Intermittently

Grading: OPT

POLS 439 - Political Science Internship

Unit(s): 1-6 Field experience in city, county, state, and federal agencies.

Prerequisite(s): prior arrangement with a faculty member.

Typically Offered Fall & Spring **May Be Repeated** May be repeated three times for credit. Note that no more than a total of 6 internship and special studies units may be counted in the 40-unit major.

Grading: CNC

POLS 444 - United States Foreign Policy

Unit(s): 4 An analysis of the forces, governmental and non-governmental, that influence the formulation of U.S. foreign policy. An examination of the organizational structure charged with the formulation and execution of that policy, as well as the content of policy since World War II.

Typically Offered Variable Intermittently

Grading: OPT

POLS 445 - International Organizations

Unit(s): 4 An analysis of the theories and concepts guiding the study of international organizations, followed by an examination of the United Nations, the European Union, NATO, the WTO and other financial institutions, and various non-governmental organizations.

Typically Offered Variable Intermittently

Grading: GRD

POLS 446 - International Relations of the Middle East: Israel, the Palestinians, and the United States

Unit(s): 4 An examination of the evolution of the Palestinian-Israeli conflict with an emphasis on how regional and world power factors have affected, and been affected by, this conflict. The course will cover the historical background of modern European imperialism,

the nature and character of the Palestine Mandate period, followed by discussion of the creation of the state of Israel in 1948 and the simultaneous emergence of the Palestinian Problem. The 1956, 1967, and 1973 Arab-Israeli wars and their relation to the rise of the Palestinian Resistance Movement will then be covered, followed by an analysis of the "peace process" of the 1990s and its breakdown.

Typically Offered Variable Intermittently

Grading: OPT

POLS 447 - Nonviolent Strategies in International Relations

Unit(s): 4 The use of force is often considered to be the most effective form of power, yet nonviolent strategies of action can, in many cases, provide more efficient and successful means to achieve one's goals than the ultima ratio of violence. Those who rely on "just war theory" to advocate for the necessity of war should note that in the 20th century (and early 21st century), nonviolent forms of resistance to oppressive authority generated more profound social and political transformations than violence. Most recently, direct nonviolent action has helped facilitate democratic transitions and is proving to be the most promising means to bring justice and overcome oppression in current struggles in Burma, Egypt, Iran, Iraq, Western Sahara, Zimbabwe, and Belarus. This course will draw on a range of literature, theory, and case studies in international relations to examine these and other questions: "When is nonviolence a preferable alternative, both ethically and strategically?", "How does the regime context (e.g., open society vs. dictatorship) influence the menu of nonviolent options?", "Why have some nonviolent movements been successful while others have failed?", and "What insights does the application of nonviolent action provide to the global community?".

Typically Offered Variable Intermittently

Grading: OPT

POLS 448 - Political Violence, Terrorism, and Law

Unit(s): 4 An examination of political violence, terrorism, and legal structures affecting management of conflict. Includes introduction to scientific methodologies used to study political violence and both current and historical conflicts. Course learning objectives include: gaining an understanding of social science conceptions of "terrorism" and "political violence"; increasing knowledge of terrorism actors, motivations, organizations, and forces that mark the use of violence for political gain; gaining knowledge of

the historical epochs of political violence and the controversies that result from a response by targeted nations and actors; and creating, examining, and analyzing theories and concepts that inform our understanding of legal structures, terrorism, and political violence.

Typically Offered Variable Intermittently
Grading: OPT

POLS 449 - Gender and Geopolitics in Science Fiction and Fantasy

Unit(s): 4 This course will read gender and power in international relations and other social science theory alongside science fiction and fantasy. Themes will also include race, nationalism, human rights, and cultural imperialism. Texts will include socially and politically relevant graphic novels, film, and television series.

Typically Offered Variable Intermittently
Grading: OPT

POLS 450 - Politics of Asia

Unit(s): 4 A comparative analysis of the political development of Asia. After a review of the legacy of colonialism and those theories related to economic development and democratic transition, this course will examine the political systems of selected countries in the region.

Typically Offered Variable Intermittently
Grading: OPT

POLS 452 - Politics of the Developing World

Unit(s): 4 A comparative analysis of politics and political development of Third World countries. International and domestic obstacles to modernization will be studied. The general analysis will be supplemented by an intensive scrutiny of selected countries and regions.

Typically Offered Variable Intermittently
Grading: OPT

POLS 453 - Politics of Latin America

Unit(s): 4 A comparative analysis of the political development of Latin America. After a review of the major theories related to economic development, revolution, and democratic transition, this course will compare the political systems of selected countries in the region.

Typically Offered Variable Intermittently
Grading: OPT

POLS 466 - Political Psychology

Unit(s): 4 An examination of the psychological sources of political leadership and decision-making. A study of the roots of political belief and extremism, as well as the acquisition of civic outlook in childhood and adolescence.

Typically Offered Variable Intermittently
Grading: GRD

POLS 475 - Urban Politics and Policy

Unit(s): 4 Examination of the structure and process of urban and regional governments within the context of state sovereignty. Such aspects of local government, in both large and small urban areas, as planning, bureaucratic administration, social services, economic issues, the political policy-making process, and civil rights will be discussed in depth.

Typically Offered Variable Intermittently
Grading: OPT

POLS 481 - Politics of Regulation and Land Use

Unit(s): 3-4 An examination of regulatory policies as they affect business and land use decisions in the United States. Structural, legal, and procedural aspects of the regulatory process are explored along with reform and deregulation. Explores the economic, environmental, and political consequences of land use control.

Typically Offered Variable Intermittently
Grading: OPT

POLS 483 - Politics of Wealth and Poverty

Unit(s): 4 Course focuses upon conditions and causes of poverty; wealth and income inequality in the U.S.; and the variety of economic, social, governmental, and political responses that have occurred in recent decades. Of particular concern are the role of the government's income redistribution and social programs, and the function of values, political interest groups, and social science findings in shaping these policies.

Typically Offered Variable Intermittently
Grading: OPT

POLS 484 - Elections and Voter Behavior

Unit(s): 4 Course examines the impact of the new styles and techniques of political campaigning on both the public decision-making process and control over public policy. Modern techniques of analysis and voter manipulation are discussed, along with the characteristics and behavior of the electorate and their historical patterns of political participation.

Typically Offered Variable Intermittently
Grading: OPT

POLS 485 - Political Power and Social Isolation

Unit(s): 4 The course explores a wide variety of personal, social and political meanings of community, including the decline of social and civic participation, political powerlessness, and theories of social fragmentation and political change. Recent theories link both economic development and community improvement to an ability to increase levels of "social capital." Given its focus, this course will be of particular interest to those concerned with these policy areas, or with a general discussion of the societal milieu of politics and government.

Typically Offered Variable Intermittently
Grading: OPT

POLS 486 - Selected Issues: International Politics

Unit(s): 3-4 An examination of current topics and developments in global politics, such as regional conflicts, North-South issues, economic interdependence, and environmental issues. Title varies to reflect specific content each semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

POLS 487 - Selected Topics in Comparative Politics

Unit(s): 4 Focus on dynamic political issues and developments in selected regions.

Typically Offered Variable Intermittently
Grading: OPT

POLS 488 - Special Topics in American Government and Politics

Unit(s): 4 An examination of current topics and development in American Government and Politics. Title varies to reflect specific content each semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

POLS 494 - Selected Topics in Political Science

Unit(s): 1-4 **Typically Offered** Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.
Grading: OPT

POLS 495 - Special Studies in Political Science

Unit(s): 1-4 A student may be invited by a faculty member to participate in a continuing research project under the faculty member's direction. The research may extend for more than a single semester. Seniors who participate in this course may have their work considered for graduation with honors.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units. Note that no more than a total of 6 special studies and internship units may be counted toward the 40-unit major.
Grading: OPT

POLS 498 - Senior Seminar

Unit(s): 4 An opportunity for senior majors and graduate students to integrate their basic understanding of Political Science by exploring the interrelationship between the substantive subfields, basic concepts, and the major modes of analysis current in political science today.

Prerequisite(s): POLS 302 with a grade of C or better.
Typically Offered Fall & Spring
Grading: OPT

POLS 501 - The Administrative State

Unit(s): 4 This core course examines a variety of public administration literature, including aspects of organizational structure, group behavior, and policy studies. Special attention will focus upon specific topics within the field: organizational behavior, power, leadership, personnel, control and administrative responsibility, and discretion.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 502 - Organizational Theory and Analysis

Unit(s): 4 Presents basic analytic tools that can be used in diagnosing political and organizational situations. The nature and use of influence, strategic thinking, and bargaining in organizations.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 503 - Budget and Fiscal Administration

Unit(s): 2 An examination of the budgeting process with emphasis upon theories and politics of budgeting, and budgeting process reform.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 503A - Public Finance

Unit(s): 2 An examination of applied issues in public budgeting and fiscal management. Public policy formation and evaluation of results as revealed in the budget will be explored.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 503B - Fiscal Management of Nonprofit Agencies

Unit(s): 2 An examination of applied issues in nonprofit budgeting and fiscal management. Fund accounting, cash flow analysis, expenditure control, long-range financial planning, audits, grants, and contracts in nonprofit agencies are studied.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 504A - Public Personnel Administration

Unit(s): 2 The evolving character of public personnel administration in the United States will be considered. Topics include civil service, personnel management, work life in organizations, employee participation, diversity, labor-management relations, and the relationship of public personnel to democracy.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Fall Even Years

Grading: OPT

POLS 504B - Personnel Administration for Nonprofit Organizations

Unit(s): 2 Examination of current issues in the management of employees and volunteers in nonprofit organizations. Topics include board-staff relations; staff recruitment, selection, training, and management; staff development; performance evaluation of paid and unpaid staff; labor-management relations; diversity; and compliance with state/federal regulations.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 505 - Research Methods

Unit(s): 4 Lecture and laboratory. An examination of quantitative research techniques required by agency and program managers. Course includes work in data analysis, introduction to computer usage, techniques of needs assessment and program evaluation, and use of simple analytic models.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 506 - Public Policy Process

Unit(s): 4 The course will look at the public policy-making process with emphasis on the role of ideas and analysis. Agenda setting, implementation, policy, and design will be discussed.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 507 - Ethics in Administration

Unit(s): 4 A seminar designed to help public administrators cultivate an awareness of ethical dilemmas, develop ways of conceptualizing them, and practice ways of thinking about their resolution.

Typically Offered Variable Intermittently
Grading: OPT

POLS 511 - Labor Relations

Unit(s): 2 A course that looks at the historical and current development in labor relations in both the public sector and also in the not-for-profit sector. The course looks at changing concepts and their implications for the existing institutions, processes, and values for both sectors of the economy.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 512 - Organizational Development

Unit(s): 4 An exploration of values, methodologies, strategies and theories of organization development.

Typically Offered Variable Intermittently
Grading: OPT

POLS 513 - Leadership and Supervision

Unit(s): 4 Examines the role of leader and of leadership in administrative agencies, together with an examination of techniques of supervision and administrative control.

Typically Offered Variable Intermittently
Grading: OPT

POLS 538 - Administrative Law

Unit(s): 2-4 Introduction to the legal process within the framework of administrative agencies and procedures. The function of administrative law, including the role of legal agencies, delegation of powers, administrative procedures and statutes, and development of the current body of case law.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 539 - Program Implementation

Unit(s): 4 Focuses upon the critical movement from statute or authorization to an actual functioning program. The course will concentrate primarily on a series of case studies involving human services, environmental, economic development, and criminal justice programs at the federal, state, and local levels.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 550 - Planning and Evaluation

Unit(s): 4 Techniques of administrative analysis and program evaluation. Included are examinations of techniques for assessment of policy impact and effectiveness, analysis of program objectives, evaluation methodologies, and the administration of evaluation systems.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 560 - Special Issues in Public Policy

Unit(s): 4 An examination of selected issues in public policy/public affairs. Specific topics will be offered on the bases of student interest and current issue development.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently
Grading: OPT

POLS 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the masters degree.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Fall & Spring

Grading: CNC

POLS 580 - Nonprofit Dynamics: Politics and Community Environment

Unit(s): 2 Introduction to nonprofits and the environment in which they operate. Analysis of nonprofit's role and effectiveness in meeting public and private sector community needs. Topics include organizational models, needs assessment and asset mapping, and trends in intra-sector and cross sector partnerships.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 581 - Nonprofit Governance and Legal Issues

Unit(s): 2 Examination of the historical development of the non-profit sector, its changing social contract, and critical legal/tax issues. Topics include board governance, mission, start up, life cycles, executive director-board-staff relationships, legal status, fiscal sponsorship, and IRS status and rulings.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 582 - Planning and Nonprofit Agencies

Unit(s): 2 This course addresses techniques of strategic and operational planning appropriate to nonprofit agency operation. Topics include needs and service assessment, marketing analysis, program evaluation, organization development, and strategic management techniques.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 583 - Resource Development for Nonprofit Agencies

Unit(s): 4 Course focus is on the techniques and importance of developing and implementing a

comprehensive organizational resource development plan for funding, volunteers, and donations, as well as ensuring a diversified agency revenue base. In addition, the course covers fund-raising, major donor development, as well as the legal restrictions for nonprofit agencies and the funding criteria used by corporate, community, and private foundation funding sources.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 585 - Marketing and Public Relations for Nonprofit Agencies

Unit(s): 2 An examination of the role of marketing and public relations for nonprofit agencies, together with techniques for designing and implementing realistic marketing and public relations programs. Course will stress adaptation of marketing techniques to not-for-profit organizations, and will explore the types of access to press, electronic, and other media available to nonprofits. Course restricted to Political Science graduates only.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 587 - Grant Writing and Administration

Unit(s): 2 Focus upon full process of prospect research, proposal development, application, and contract management and administration of foundation, government, and corporate grants.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Variable Intermittently

Grading: OPT

POLS 588 - Issues in Nonprofit Administration

Unit(s): 4 An investigation of current issues and developments in the operation of nonprofit agencies.

Typically Offered Variable Intermittently

Grading: OPT

POLS 595 - Special Studies in Political Science

Unit(s): 1-4 A student may be invited by a faculty member to participate in a continuing research project under the faculty member's direction. The research may extend for more than a single semester.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: OPT

POLS 596 - Graduate Tutorial - Exam

Unit(s): 4 An independent, intensive review of the literature in specific areas of concentration, in Public Administration to include the M.P.A. Core and Track course materials. Prerequisite materials to be included in this review.

Prerequisite(s): Course restricted to MPA students or by consent of Instructor or MPA Coordinator.

Typically Offered Fall & Spring
Grading: CNC

POLS 597 - Graduate Internship

Unit(s): 1-4 Intensive field experience in a public or private agency. The student must define a current political problem and a discipline-related strategy for dealing with the problem, and work toward implementing the strategy.

Typically Offered Fall & Spring **May Be Repeated** Repeatable for credit up to 4 units total.
Grading: CNC

POLS 598 - Capstone Project

Unit(s): 1-4 Completion of an approved project with a public agency or non-profit organization.

Prerequisite(s): Completion of required MPA coursework, clear academic record, approval of the MPA Coordinator.

Typically Offered Fall & Spring
Grading: CNC

POLS 599 - Master's Thesis

Unit(s): 2-4 **Prerequisite(s):** Completion of required MPA coursework, clear academic record, approval of the MPA Coordinator.

Typically Offered Fall & Spring
Grading: OPT

Portuguese

PORT 210 - Portuguese for Spanish Speakers

Unit(s): 4 This course provides Spanish speaking students with an accelerated introduction to spoken and written Portuguese.

Typically Offered Variable Intermittently
Grading: GRD

Psychology

PSY 250 - Introduction to Psychology

Unit(s): 3 Theories, research, and applications that constitute psychology. An important goal is to help students become informed consumers of psychological knowledge. The role of culture is emphasized. Prerequisite to upper-division courses in the major for first-time freshmen or transfer students.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Fall & Spring
Grading: OPT

PSY 270 - Psychology of Self-Discovery

Unit(s): 4 Introduction to psychological theory, research and practice relevant to developing self-knowledge as it applies to people of diverse backgrounds. Possible approaches include humanistic, positive, depth, Buddhist, indigenous psychology, and basic skills and practices in self-reflection, mindfulness, dreamwork, and earth-based practices.

Prerequisite(s): Admission to the major, PSY 250 and Sophomore standing.

Typically Offered Fall & Spring
Grading: GRD

PSY 280 - Psychological Research Methods

Unit(s): 4 Introduction to the variety of ways psychologists collect research evidence. Students will be asked to try different research methods -conduct interviews, observe behaviors, write an attitude scale, and design an experiment. Upon completing this course, students should be able to understand and critically evaluate major research methods in psychology and the social sciences.

Prerequisite(s): PSY 250 and admission to the Psychology major.

Typically Offered Fall & Spring

Grading: GRD

PSY 302 - Life Span Development

Unit(s): 3 A multidisciplinary examination of the cognitive, social, cultural, emotional, and physical development of the human being. Shows how research and theories relate to and assist individuals in their own self-development.

GE Category: Satisfies upper-division GE Area E (The Integrated Person).

Breadth Area: Development.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

PSY 306 - History of Modern Psychology

Unit(s): 4 Perspectives on the field of psychology. Includes past and present understandings of human experience, integrating issues and controversies. Includes epistemology; traditional scientific and clinical methodologies; and behavioral, psychoanalytic, and Gestalt psychologies. Psychology majors only.

Typically Offered Fall & Spring

Grading: GRD

PSY 307 - Humanistic, Existential, and Transpersonal Psychology

Unit(s): 4 Theories, methods, and research in humanistic, existential, and transpersonal psychology, including cultural variations. Psychology majors only.

Breadth Area: Holistic.

Typically Offered Fall & Spring

Grading: GRD

PSY 311 - Psychology Dialogue Series

Unit(s): 1-2 A lecture series that explores current topics of interest to psychologists. Topics include research, diversity, social justice, clinical, developmental, professional and academic fields in psychology.

Typically Offered Fall & Spring

Grading: CNC

PSY 313 - Careers in Psychology

Unit(s): 2-4 Offers students an opportunity to explore and discover their values, skills, interests, lifestyle preferences, and the undertaking of the personal strategies necessary to formulate career paths. Students will also develop a resume for Grad School.

Typically Offered Fall & Spring

Grading: OPT

PSY 322 - Myth, Dream, and Symbol

Unit(s): 3-4 Exploration of the creative unconscious in individual growth. Myths, dreams, and symbols are explored from the standpoint of theory, symbolic work, art process, guided meditation, group process and culture. Approaches vary by instructor and may draw from texts by Jung, Campbell, Johnson, Hillman, Edinger, Singer, and others.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Holistic.

Typically Offered Fall & Spring

Grading: OPT

PSY 325 - Social Psychology

Unit(s): 4 This course examines how the social situation influences how individual people feel, think, and behave. Topics covered include: attitudes, perceptions of others, helping behavior, the self, attraction, aggression, conformity, prejudice, and crosscultural variations.

Crosslisted: SOCI 326 Social Psychology

GE Category: Satisfies GE Area D1 (Individual and Society).

Breadth Area: Social/Personality.

Typically Offered Fall & Spring

Grading: OPT

PSY 327 - Psychology in Organizations

Unit(s): 4 Applies social science methods and principles to organizational behavior. Topics include: teams in organizations, motivation, individual differences, attitudes and emotions relevant to work, stress and well-being, fairness and diversity within organizations, and leadership and organizational change.

Prerequisite(s): PSY 250.

Breadth Area: Social/Personality.

Typically Offered Variable Intermittently
Grading: GRD

PSY 328 - Multicultural Psychology

Unit(s): 4 Didactic and experiential in nature, this course introduces students to the field of multicultural psychology as it pertains to concepts, issues, professional practice, and research. The focus is on self-exploration and understanding one's world view regarding race/ethnicity, culture, gender, sexual orientation, age, disability, religion and socio-economic status. Students reflect on the psychological and social implications of prejudice, racism, oppression, and discrimination on identity development, and social justice issues in a multicultural society like the United States.

Breadth Area: Social/Personality.
Typically Offered Fall & Spring
Grading: GRD

PSY 335 - Memoir and Autobiography

Unit(s): 3-4 Storytelling and the storied nature of human experience, in research, counseling, therapy, and history. Uses methodology from psychology, literature, and other branches of the social sciences and humanities. Includes biography and autobiography, interview, and students' own oral and written narratives as it applies to people of diverse backgrounds.

Breadth Area: Holistic.
Typically Offered Variable Intermittently
Grading: OPT

PSY 338 - Psychology of Creativity

Unit(s): 4 The study of creative people, processes, and environments. Current and historical theory and research on creativity in personal and professional situations, humanities, science, business, education, everyday life and across cultures. Emphasis on individual and group projects. Service-learning course.

Breadth Area: Holistic.
Typically Offered Variable Intermittently
Grading: OPT

PSY 342 - The Psychology of Meditation

Unit(s): 4 An exploration of meditative practice as a means of developing awareness, self-growth, and psychological insight. Basic instruction in various

meditation techniques, actual meditation practice, and readings and discussions of the psychodynamics of meditation.

Breadth Area: Holistic.
Typically Offered Not Recently Offered
Grading: OPT

PSY 352 - Psychology of Yoga

Unit(s): 3-4 An introduction to the literature and practice of Yoga. The course normally includes separate lecture and practice sessions. Focus on the application of Yoga to enhance well being, prevent psychological problems, and treat psychological conditions.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.
Breadth Area: Holistic.
Typically Offered Not Recently Offered
Grading: OPT

PSY 358 - Health Psychology

Unit(s): 3-4 Focuses on the relationship between the body and the mind in physical health, psychological well being, and personal growth. Students learn to: 1) critically evaluate empirical research reports and popular claims about mind-body practices; (2) develop an individualized long-term mind-body practice that can be used to promote health, well-being, and personal growth; and 3) apply psychological principles and strategies for helping others adopt and maintain health and wellness promoting mind-body practices. Cross-cultural issues are included.

Prerequisite(s): Class restricted to Psy Junior, Senior and Graduates Only.
Breadth Area: Holistic.
Typically Offered Fall & Spring
Grading: GRD

PSY 360 - Peak Performance Psychology

Unit(s): 4 Focuses on the mental training techniques used by the most successful women and men around the world to enhance performance at work, in sport, and in life. This highly practical course will teach you how to create the optimal mental state necessary for success and happiness in almost any endeavor. Students learn how to increase concentration, overcome fatigue, create positive emotions, build confidence, and effectively master the mental, emotional, and physical challenges of school, work, sport, and life. This course is for students who wish

to learn how to perform at their full potential with poise, calm, and grace. Includes readings, lectures, discussions, presenting to peers, participation in a mental skills training program, and practicing the mind-body arts of Tai Chi and Qigong.

Prerequisite(s): Class restricted to Psy Junior, Senior and Graduates Only.

Breadth Area: Clinical/ Counseling.

Typically Offered Fall & Spring

Grading: GRD

PSY 362 - Human Sexuality

Unit(s): 4 Covers the biological, social, developmental (across the life span), behavioral, and cultural dimensions of human sexuality. Examples of issues that will be addressed in the class include: intimacy, sexual expression, gender identity, sexual education, sex and the media, and sexual practices across cultures.

Breadth Area: Cognitive/ Physiological.

Typically Offered Fall Only

Grading: GRD

PSY 399 - Graduate Student-Instructed Course

Unit(s): 1-3 Each graduate student-instructed course (SIC) is designed by an advanced student under the guidance of a faculty sponsor. Each course proposal is carefully reviewed by the department Executive Committee before approval is granted. The course should address cultural variations or diversity issues. Consult the Schedule of Classes for the topic studied.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit. Only two SICs may be credited toward the Psychology major.

Grading: OPT

PSY 405 - The Psychology of Gender

Unit(s): 4 Explores gender through a social psychological perspective. Topics include gender socialization, the structure and function of gender stereotypes, masculinity, and gender discrimination.

Crosslisted: WGS 405

Breadth Area: Social/Personality.

Typically Offered Fall & Spring

Grading: OPT

PSY 408 - Transitions in Adult Development

Unit(s): 4 This course explores how women and men experience and shape the transitions that occur as they mature socially and psychologically. Inquiry includes normative life cycle transitions as well as unexpected, unusual, or "off-time" transitions and develops understandings of how these transitions shape the development of an individual through adulthood and later life. Cross-cultural aspects are included.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only. **Crosslisted:** GERN 408

Breadth Area: Developmental.

Typically Offered Fall & Spring

Grading: OPT

PSY 409 - Social and Emotional Development

Unit(s): 4 This course presents an overview of social-emotional development across the life span. Theory and research will be assessed based on different theoretical models and approaches, including cross-cultural perspectives. Topics included are attachment, moral and personality development, social cognition, gender roles, identity, aggression, achievement, and emotions.

Prerequisite(s): PSY 250, PSY 302 or PSY 410.

Breadth Area: Developmental.

Typically Offered Variable Intermittently

Grading: OPT

PSY 410 - Child Development

Unit(s): 3-4 This course introduces students to the social-emotional, cognitive, language, biological, and physical development of children and adolescents. Students learn major developmental theories and current research as applied to relevant issues in today's society. The role that parents, teachers, communities, and cultures play in the healthy growth and development of children is emphasized.

Prerequisite(s): PSY 250 and junior-level standing, or consent of instructor.

Breadth Area: Developmental.

Typically Offered Fall & Spring

Grading: OPT

PSY 411 - Child Psychopathology

Unit(s): 4 An overview of the development of psychological disorders in childhood and adolescence,

including neurodevelopmental, emotional, behavioral, and other mental health diagnostic categories. Psychopathology is understood as the interplay among child, family, peer, and cultural influences as well as biological, psychological, and sociocultural factors. Empirically supported approaches to treatment and prevention are included.

Prerequisite(s): PSY 410 or PSY 302 or equivalent, and junior-level standing.

Breadth Area: Clinical/Counseling.

Typically Offered Fall & Spring

Grading: OPT

PSY 412 - Adolescent Psychology

Unit(s): 3-4 An examination of the social, cognitive, and biological theories in adolescent development, including cross-cultural variations. Material is drawn from research and personal interaction with adolescents.

Prerequisite(s): junior-level standing.

Breadth Area: Developmental. May not receive credit for both this course and PSY 413.

Typically Offered Variable Intermittently

Grading: OPT

PSY 413 - Adolescent Development through Film

Unit(s): 4 A study of the social, emotional, physical, and cognitive development of adolescence through the exploration of popular films. The course will be comprised of lecture, readings, films, and other media.

Breadth Area: Developmental. May not receive credit for both this course and PSY 412.

Typically Offered Variable Intermittently

Grading: OPT

PSY 414 - Infant Development

Unit(s): 4 The course is designed to provide students an in-depth perspective on development from the prenatal period through the third year of life. The specific areas of development, including biological, cognitive, social, emotional, and cultural context will be covered. Additionally, students will become familiar with the major methodologies used to study infant development. The emphasis of the course is on normative development.

Prerequisite(s): PSY 250 and junior-level standing, or instructor consent.

Breadth Area: Developmental.

Typically Offered Variable Intermittently
Grading: OPT

PSY 415 - Sensation & Perception

Unit(s): 4 This class is an exploration of how energy is transduced by the sensory system into internal conscious representations of space, time, smell, sight, sound and touch. We will explore the methods used in the study of perception and the biology that supports our experience of everyday life.

Breadth Area: Cognitive/Physiological.

Typically Offered Fall & Spring

Grading: GRD

PSY 418 - The Psychology of Family

Unit(s): 3-4 A study of the family as a social-psychological group. Considers family of origin, present families and relationships, and parenting. The role of culture is emphasized.

Prerequisite(s): junior-level standing.

Breadth Area: Developmental.

Typically Offered Variable Intermittently

Grading: OPT

PSY 425 - Psychopathology

Unit(s): 4 The study of the wide spectrum of mental disorders found in the DSM with applications for community mental health, psychotherapy, and other helping professions. The role of culture is emphasized.

Prerequisite(s): PSY 302, admission to the Psychology major and junior-level standing, or consent of instructor.

Breadth Area: Clinical/Counseling.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

PSY 428 - Introduction to Counseling

Unit(s): 4 An examination of the counseling process. Various approaches are considered and methods for the development of component skills presented. The role of culture is emphasized.

Prerequisite(s): Class open to Psychology Juniors and Seniors only.

Breadth Area: Clinical/Counseling.

Typically Offered Fall & Spring

Grading: GRD

PSY 430 - Depth Oriented Psychotherapies

Unit(s): 4 This advanced seminar focuses on several modalities used to access the psyche in depth oriented therapies. Dora and Martin Kalff and Sandplay, Jung's Individuation and use of Mandalas, and DW Winnicott and his work with relational space will be the focus of this experiential learning forum.

Prerequisite(s): Class open to Psychology Juniors and Seniors only.

Breadth Area: Clinical/Counseling.

Typically Offered Variable Intermittently

Grading: OPT

PSY 431 - Introduction To Art Therapy

Unit(s): 4 An overview of the field of art therapy, its varied schools of thought, and different possibilities of application -- from public school settings to mental hospitals. Information on graduate and professional training in the field. The role of culture is emphasized.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Clinical/Counseling.

Typically Offered Variable Intermittently

Grading: OPT

PSY 438 - Psychological Aspects of Disability

Unit(s): 3-4 This course is designed to give participants a better understanding of people with disabilities and an awareness of how society regards them. The disabilities addressed range from traumatic physical injuries through progressive diseases and conditions to mental retardation, alcoholism, and emotional disabilities. The role of culture is emphasized. The class is appropriate for anyone interested in disability, whether for personal or professional reasons.

Crosslisted: GERN 438

Breadth Area: Social/Personality.

Typically Offered Not Recently Offered

Grading: OPT

PSY 445 - Advanced Research Design and Analysis

Unit(s): 4 Locate and use relevant research and theory to plan, conduct, and interpret the results of a collaboratively designed study. Topics include research ethics, experimental design, survey design, and tensions between applied and basic research. Upon completing the course, students should be able to use and evaluate the basic research designs most often employed by psychologists. Methodological issues relevant to underrepresented populations area emphasized.

Prerequisite(s): PSY 280 or consent of the instructor.

Co-requisite(s): PSY 445L.

Typically Offered Variable Intermittently

Grading: OPT

PSY 446 - Cognitive Psychology

Unit(s): 4 An introduction to theory and research in human information processing. Topics include attention, memory, mental representation, imagery, problem solving, reasoning, language, higher mental processes and cross-cultural variations.

Breadth Area: Cognitive/Physiological.

Typically Offered Variable Intermittently

Grading: GRD

PSY 447 - Learning and Behavior

Unit(s): 3-4 A study of the learning process including major theories of learning and cognition and their application to problem solving behavior. Includes types of conditioning, stimulus controls and reinforcement, social learning, and cognitive mediator of emotion and behavior. The role of culture will be emphasized.

Prerequisite(s): PSY 250.

Breadth Area: Cognitive/Physiological.

Typically Offered Spring Only

Grading: OPT

PSY 448 - Cognitive Development

Unit(s): 4 This course covers theories and research on cognition from infancy through adolescence. Major theorists include Piaget, Vygotsky, Sternberg, Fischer, Case, Bruner, and information-processing perspectives. Special topics include social cognition, theory of mind, concept formation, problem-solving, memory, multiple intelligences, standardized testing, language, and cultural variations.

Prerequisite(s): PSY 410, PSY 302 or consent of

instructor.

Breadth Area: Developmental.

Typically Offered Variable Intermittently

Grading: OPT

PSY 450 - Physiological Psychology

Unit(s): 4 A study of the relationship between physiological processes and behavior. Particular emphasis on the anatomy and physiology of the nervous system and the effects of metabolic processes, brain lesions, and various drugs on behavior.

Breadth Area: Cognitive/Physiological.

Typically Offered Fall & Spring

Grading: OPT

PSY 454 - Biofeedback, Somatics, and Stress Management

Unit(s): 4 An introduction to biofeedback, somatic psychology, and stress management through the study of human psychophysiology and psychology. Development of familiarity with the technology related to health and wellness.

Breadth Area: Cognitive/Physiological.

Typically Offered Fall & Spring

Grading: OPT

PSY 461 - Personality

Unit(s): 3-4 Examines individual differences in the ways people behave, think, and feel and the psychological mechanisms that drive these patterns of behavior. Course will examine personality from a variety of perspectives including psychoanalytic, humanistic, trait, biological, learning, and social cognitive theories, as well as contemporary research in personality (e.g., measurement, change, and judgment).

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Social/ Personality.

Typically Offered Fall & Spring

PSY 466 - Jungian Psychology

Unit(s): 4 Exploration of Jung and contemporary Jungian thinkers. Examines individuation, dreams, image, symbol, archetype, self, creativity, imagination, typology, and the transcendent function.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Holistic.

Typically Offered Spring Only

PSY 470 - Psychology of Film

Unit(s): 4 A study of the contemporary medium of film through the use and application of psychological theory and research.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Holistic.

Typically Offered Variable Intermittently

Grading: OPT

PSY 471 - Psychology of Religion

Unit(s): 4 Explores psychological research, theory, practice, and narratives in religion and spirituality. Topics include links between religion and: biology, development, personality, creativity, morality, prejudice, health and coping, nature and ecology, community, violence and culture.

Breadth Area: Holistic.

Typically Offered Spring Only

Grading: GRD

PSY 481 - Research Internship

Unit(s): 1-8 Students learn applied research methods and practical research skills under the supervision of a faculty mentor. A maximum of 8 units of special study and internship may be applied to the psychology major.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

PSY 482 - Teaching Internship

Unit(s): 1-8 Students learn the skills of organization and communication of psychological theory and research under the supervision of a faculty mentor. A maximum of 8 units of special study and internship credit may be applied to the psychology major.

Prerequisite(s): Consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated for credit.

Grading: CNC

PSY 485 - Ecopsychology

Unit(s): 4 This course focuses on psychological aspects of our relationship to the earth. Issues to be addressed include the psychological impact of living in a time of ecological crisis, and the role of psychology and culture in promoting a transition to an ecologically sustainable society. Field trips to be arranged.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Breadth Area: Holistic.

Typically Offered Variable Intermittently

Grading: CNC

PSY 490 - Psychology Seminar

Unit(s): 1-4 Each semester one or more psychological topics is selected for study in depth. Consult Schedule of Classes for topics to be studied, Breadth Area and current unit offering.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

PSY 495 - Special Studies

Unit(s): 1-4 The psychology department encourages independent study as preparation and practice for life-long self-directed learning. Students should formulate plans for a project and present them to a faculty member for sponsorship. Special forms for this purpose are available in the department office. Strong preference is placed on projects with cross-cultural perspectives. These should be completed and filed during the add/drop period. A maximum of eight units of Special Study and Internship combined may be credited toward the psychology major.

Prerequisite(s): Class restricted to Psy Junior, Senior and Graduates Only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

PSY 499 - Internship

Unit(s): 1-4 Supervised training and experience for advanced students in community agencies throughout the University service area. Special contracts are required and

are obtainable in the department office. Internship assignments may be paid. Priority is given to students who apply during the last month of the preceding semester. Students register for PSY 499 during the add/drop period by submitting a completed contract (not online). A maximum of 8 units of internship credit may be applied to the Psychology major. No more than 4 units of PSY 499 may be earned in one semester.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

PSY 511A - Theories of Depth Psychology

Unit(s): 2-4 A two-semester sequence that examines Jungian, depth, and archetypal psychology. Readings include Jung, Edinger, Hillman, and post-Jungians. Limited to students in the Depth Psychology Program.

Typically Offered Fall Only

Grading: CNC

PSY 511B - Theories of Depth Psychology

Unit(s): 2-4 Continuation of PSY 511A. Limited to students in the Depth Psychology Program.

Typically Offered Spring Only

Grading: OPT

PSY 515 - Psychological Writing

Unit(s): 1-4 Advanced instruction in the analysis, organization, style, and content of psychological writing, including personal explorations.

Typically Offered Variable Intermittently

Grading: OPT

PSY 542A - Methods and Applications of Depth Psychology

Unit(s): 3-4 A two-semester sequence that surveys the methods and applications used in depth psychological work. Students learn how the symbol contains, mediates, and expresses personal experience. Intensive work with different art forms, dreams, myth, meditation, active imagination, sandplay, and the body. Students learn conceptual approaches for interpreting symbolic experience. Theory and practice are integrated throughout the course. Limited to students in the Depth Psychology

Program.

Typically Offered Fall Only

Grading: OPT

PSY 542B - Methods and Applications of Depth Psychology

Unit(s): 3-4 Continuation of PSY 542A. Limited to students in the Depth Psychology Program.

Typically Offered Spring Only

Grading: OPT

PSY 543A - Cross-Cultural Mythology and Symbolism

Unit(s): 1-4 A two-semester sequence that surveys selected mythological, religious, artistic, and cultural symbolic motifs and examines their expression in cultures throughout the world. Earth-based healing traditions and the council process are included. Readings are drawn from depth psychology, mythology, folklore, anthropology, ecopsychology, religion, and art history. Limited to students in the Depth Psychology Program.

Typically Offered Fall Only

Grading: OPT

PSY 543B - Cross-Cultural Mythology and Symbolism

Unit(s): 1-4 Continuation of PSY 543A. Limited to students in the Depth Psychology Program.

Typically Offered Spring Only

Grading: OPT

PSY 551 - Directed Reading

Unit(s): 1-4 **Typically Offered** Variable Intermittently

Grading: OPT

PSY 575 - Research Seminar

Unit(s): 1-4 Exploration of depth psychological and qualitative research methods. Students design an individual research study.

Typically Offered Variable Intermittently

Grading: OPT

PSY 576 - Seminar in Depth Psychology

Unit(s): 1-5 Selected topics in the field of depth psychology. Limited to Depth Psychology students only.

Typically Offered Variable Intermittently

Grading: OPT

PSY 578 - Project Continuation

Unit(s): 1-3 Designed for students working on their thesis or master's project but who have otherwise completed all graduate coursework toward their degree. This course cannot be applied toward the minimum number of units needed for completion of the master's degree.

Prerequisite(s): permission of the graduate coordinator.

Typically Offered Variable Intermittently

Grading: CNC

PSY 581 - Internship

Unit(s): 1-6 **Typically Offered** Variable Intermittently

Grading: GRD

PSY 582 - Teaching College Psychology

Unit(s): 1-8 Practical experience of supervised teaching in a college psychology classroom.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently

Grading: OPT

PSY 583 - Graduate Research Assistant

Unit(s): 1-4 Students learn advanced research methods and practical research skills under the supervision of a faculty mentor.

Prerequisite(s): consent of instructor.

Typically Offered Variable Intermittently

Grading: CNC

PSY 584 - Graduate Teaching Assistant

Unit(s): 1-4 Students learn teaching skills by serving as teaching assistants in undergraduate classes under the supervision of the classroom instructor. Prerequisites: graduate standing, consent of instructor.

Typically Offered Variable Intermittently
Grading: CNC

PSY 595 - Special Studies

Unit(s): 1-4 Students formulate plans for a project and present them to a faculty member for sponsorship.

Prerequisite(s): graduate standing and consent of instructor.

Typically Offered Variable Intermittently
Grading: CNC

PSY 597 - Culminating Paper Tutorial

Unit(s): 1-4 Provides guidance and feedback in the process of writing a publishable article in the student's field of expertise.

Typically Offered Variable Intermittently
Grading: GRD

PSY 599 - Master's Thesis

Unit(s): 1-3 A Master's Thesis or investigative project under the guidance of the thesis chair.

Prerequisite(s): advancement to Candidacy.

Typically Offered Variable Intermittently
Grading: GRD

Science

SCI 120A - A Watershed Year

Unit(s): 6 **Lecture:** 5 hours **Laboratory:** 3 hours This is the first semester of a year-long integrated transition course for first-time freshmen, which immerses students in real-world issues of environmental sustainability through hands-on work and outdoor field experiences focusing on Sonoma County's watershed.

Prerequisite(s): GE ready in Mathematics.

GE Category: Completion of SCI 120A earns GE Lab credit and 6 total GE credits in A3 (2 units), B2 (2 units), B4 (2 units). C- or better required in the second semester for A3 credit.

Typically Offered Fall Only
Grading: GRD

SCI 120B - A Watershed Year

Unit(s): 6 This is the second semester of a year-long integrated transition course for first-time freshmen, which immerses students in real-world issues of environmental sustainability through hands-on work and outdoor field experiences focusing on Sonoma County's watershed.

Prerequisite(s): SCI 120A.

GE Category: Completion of SCI 120B earns 6 total GE credits in A3 (2 units), B2 (2 units), and B4 (2 units). C- or better required in the second semester for A3 and B4 credit.

Typically Offered Spring Only
Grading: GRD

SCI 150 - Introduction to Careers in Health Professions

Unit(s): 1 **Lecture:** 1 hour An introduction to careers and current issues in the health professions. The professions examined generally require a bachelor's degree before being accepted into a graduate-level health professions program such as medicine, osteopathic medicine, dentistry, veterinary medicine, optometry, pharmacy, physician assistant, podiatry, chiropractic medicine, genetic counseling, hospital administration, public health, clinical laboratory scientist, nursing, physical or occupational therapy, etc.

Typically Offered Fall Only
Grading: CNC

SCI 220 - Dream, Make and Innovate

Unit(s): 3 **Lecture:** 2 hours activity, 2 hours This transformative course empowers students with modern technical and interpersonal skills which are combined with artistic expression to create two major projects. Through the signature assignment students work with a community partner to create a product that meets their needs. This provides opportunity for self reflection and an awareness of the different identities, needs and societal positions of the people served by the partners. This class uses the SSU campus Makerspace. Course satisfies GE Area E (Lifelong Learning and Self Development).

GE Category: E - Life Long learning & Self Development
Typically Offered Fall & Spring **May Be Repeated** Yes
Teaching Mode: Face-to-Face **Grading:** OPT

Sociology

SOCI 201 - Introduction to Sociology

Unit(s): 3 A general overview of the concepts, theories, research methods and findings of sociology. The purpose is to train students to view the world through a sociological perspective.

GE Category: Satisfies GE Level D1 (Individual and Society).

Typically Offered Fall & Spring

Grading: GRD

SOCI 263 - Sociology of Race and Ethnicity

Unit(s): 4 This course examines race and ethnic relations in the US from a theoretical, historical, and comparative perspective. Explores the emergence of racial and ethnic minorities through such historical processes as colonialism, slavery, and immigration. Studies the current relations among racial and ethnic groups in the US.

GE Category: Satisfies GE Area D1 (Individual and Society), Ethnic Studies.

Typically Offered Fall & Spring

Grading: GRD

SOCI 300 - Sociological Research Methods

Unit(s): 4 Consideration of the ways in which sociological questions are formulated and answered. Examination of and practice in conceptualization, theory construction, deductive and inductive reasoning, and other elements of sociological analysis, with an emphasis upon sociological research methods.

Prerequisite(s): Prerequisite: SOCI 201 with a grade of C- or better. Restricted to SOCI majors and minors only.

Typically Offered Fall & Spring

Grading: GRD

SOCI 301 - Statistics for Sociologists

Unit(s): 4 An introduction to descriptive and inferential statistics to test hypotheses in the social sciences. Emphasis on data collection techniques, statistical analysis and interpretation using SPSS, as well as written reporting of results.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

GE Category: Satisfies the requirement for statistics in the sociology major.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 306 - Career Planning for Sociology Majors

Unit(s): 4 Explores careers related to sociology from a sociological perspective, particularly careers undergraduate students can enter. Careers examined across four areas: private/for-profit sector, nonprofit foundations, public sector (city, county, state and federal government), and academia (including graduate school). Professional skills and portfolio also developed. Meets Sociological Experience requirement for majors.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Fall & Spring

Grading: GRD

SOCI 310 - Sociology of Immigration

Unit(s): 4 Examines immigration through a sociological lens with attention to the social, political, and historical contexts of immigration and the relationships between migrants and existing institutions and identities. Explores factors shaping migration patterns and compares immigration policies across time and space. Topics include assimilation, immigrant incorporation, and transnationalism.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 312 - Sociology of Gender

Unit(s): 4 Considers gender as a social construction and a product of social life. Analyzes how gender inequalities shape social structures, institutions, and interaction for both women and men. Challenges biological explanations for gender differences and inequalities. Focuses on analysis of gendered experiences as they relate to race/ethnicity, class, and sexualities.

Prerequisite(s): Course restricted to Sociology and WGS majors & minors only.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 314 - Deviant Behavior

Unit(s): 4 The social causes and consequences of insanity, delinquency, criminality, addiction, social unconventionality and other "deviant" behavior. Examines the conversion and commitment to deviant world views,

and the social processes involved in the transformation to a deviant identity.

Prerequisite(s): Course restricted to Sociology Majors and Minors only **Crosslisted:** CCJS 441

Typically Offered Variable Intermittently

Grading: GRD

SOCI 315 - Socialization

Unit(s): 4 Analysis of the social processes through which human beings are inducted into social groups, in both childhood and adulthood. Particular attention is given to the socializing effects of schools, work, family, and friends.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 317 - Emotions and Adult Life

Unit(s): 4 Emphasizes the social context and social development of emotional responses throughout adulthood. Analyzes the reciprocal relations between social definitions and subjective feelings in connection with life events. Addresses both basic emotions such as fear, anger, pleasure, and excitement, and the more complex emotions such as love, jealousy, grief, sympathy, pride, shame, and despair.

Crosslisted: GERN 317

GE Category: Satisfies GE Area E (Integrated Person).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

SOCI 319 - Aging and Society

Unit(s): 4 Examination of aging throughout adulthood. Analysis of theories of aging, their foundations in social science theory, and their policy implications. Exploration of the meanings and consequences of increasing longevity for society and the individual, with emphasis on the social psychological implications for women, minorities, and those who are poor.

Crosslisted: GERN 319

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Variable Intermittently

Grading: GRD

SOCI 326 - Social Psychology

Unit(s): 4 Introduces relationships between self and society, including the formation and change of attitudes and values, interaction and interpersonal dynamics, and the cultural influences on them. Topics include symbolic interactionism, personal and social identities, motivation, prejudice, and the consequences of ethnicity, class, and gender.

GE Category: Satisfies GE Area D1 (Individual and Society).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

SOCI 330 - Sociology of Media

Unit(s): 4 This course will conduct an analysis of structural censorship in the United States and the importance of a free press for the maintenance of democratic institutions in society. Students will become familiar with independent/alternative news sources and prepare summaries of news stories for public release.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 332 - Death and American Culture

Unit(s): 4 Examination of the relation of cultural values to practices, attitudes, and views about death. Application of sociological and social psychological theories to topics on death and dying, such as death conceptions, terminal care, suicide, war, and grief. Emphasis on the social psychology of dying, caregiving, grieving, and being suicidal.

Prerequisite(s): Course restricted to Sociology Majors and Minors only **Crosslisted:** GERN 332

Typically Offered Variable Intermittently

Grading: GRD

SOCI 336 - Investigative Sociology

Unit(s): 4 A service-learning course emphasizing development of sociological research for popular press publication. Students learn interviewing techniques; review sources of public information; use freedom of information laws; write and investigate social justice news stories using sociological research methods; and prepare reports for popular press publication. Meets Sociological Experience requirement for majors.

Prerequisite(s): Course restricted to Sociology Majors

and Minors only

Typically Offered Fall & Spring

Grading: GRD

SOCI 340 - Drugs and Society

Unit(s): 4 Analyzes drug use, misuse, and abuse in society using sociological theories. Explores drug policies and control of drug use, current sociological drug research, and how the media shapes drug perceptions. Highlights various legal and illegal drugs and their societal consequences.

Prerequisite(s): Course restricted to Sociology Juniors and Seniors Only. **Crosslisted:** CJS 350

Typically Offered Variable Intermittently

Grading: GRD

SOCI 345 - Sociology of Families

Unit(s): 4 Analyzes family as a social institution. Examines the interconnections between families and other institutions, with a focus on family change. Considers how families are affected by structures of race/ethnicity, class, gender, and sexuality. Examines and challenges ideologies about families.

Prerequisite(s): Course open to SOCI and ECS majors and minors only.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 347 - Social Stratification

Unit(s): 4 An overview of stratification in the United States. Analysis of the effects of this system on those who participate in it, through the study of theoretical, ethnographic, and community studies. Analysis of how class affects power, prestige, opportunity, culture, and consciousness, as well as the interaction of ethnicity, gender, and class.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 350 - City and Community Life

Unit(s): 4 Examination of the social psychology of urban and community life. Particular attention will be paid to the analysis of the culture of public life, place and place attachment, patterns of interaction in urban and neighborhood settings, and the sociological debate

surrounding loss of community.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 360 - Sociology of Sexualities

Unit(s): 4 An overview of sexuality across institutions of society. Uses theoretical, conceptual, and empirical tools to analyze sexuality as a social fact. Explores the social construction of sexuality and how sexuality is socially created organized and constrained.

Prerequisite(s): Course restricted to Sociology Majors, Minors and Queer Studies Minors only.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 366 - Juvenile Justice

Unit(s): 4 An exploration of the nature and extent of juvenile delinquency, with emphasis on serious or violent crime. The major theories of delinquency causation will be reviewed. The course will be devoted to the juvenile justice system and how it processes youths accused of crime. The nature and function of all major segments of the juvenile justice system will be discussed, including law enforcement, juvenile court, and corrections. The legal rights of juveniles will also be reviewed. Finally, the current policy issues in juvenile justice will be explored.

Prerequisite(s): Course restricted to Sociology Majors and Minors only **Crosslisted:** CJS 497

Typically Offered Variable Intermittently

Grading: GRD

SOCI 370 - Sociology of Transgender Studies

Unit(s): 4 Investigates social life utilizing transgender experiences and identities as analytical frames. Theoretical and historical frameworks explore the socially constructed nature of transgender and cisgender identities and experiences in everyday life and social institutions. Topics include contemporary issues facing transgender persons in transition, embodiment, relationships, and private/public interactions.

Prerequisite(s): Course restricted to Sociology Majors, Minors and Queer Studies Minors only.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 371 - Sociology of Conspiracies

Unit(s): 4 A critical analysis of conspiracies in society using Power Elite and State Crimes Against Society theories applied to modern historical events using cultural, social psychological, public propaganda, and power perspectives: topics include political assassinations, election fraud, threats of terrorism, 9/11, and permanent war.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 375 - Sociological Theory

Unit(s): 4 A critical examination of the writings of major classical and contemporary sociological theorists, including Marx, Weber and Durkheim. This course will involve students in critical analysis of central sociological theories and offer them tools for understanding the development of sociological theory and its unique role in sociology.

GE Category: Satisfies upper-division GE, category D1 (Individual and Society).

Typically Offered Fall & Spring

Grading: GRD

SOCI 380 - Political Sociology

Unit(s): 4 A critical sociological analysis of the political processes in the United States and the world. In-depth coverage of power elite, class dominance and deep state political theories of governmental decision-making. Emphasis on the political globalization of the world including the US/NATO empire of power.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 381 - Population and Society

Unit(s): 4 An introduction to problems of population growth and the interrelationships between population and social organization. Discusses concepts related to the measurement and explanation of historical and contemporary trends in aging, birth rates, marriage, divorce, mortality, and migration/immigration.

Prerequisite(s): Course restricted to Sociology Majors

and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 382 - Social Movements and Collective Behavior

Unit(s): 4 Social movements are a significant source of social change in modern societies. This course analyses the structure and dynamics of social movements, with attention to the roles of organizations, resources, leadership, recruitment, commitment, values, ideology, political culture, and countermovements. Case studies will emphasize the civil rights, women's rights, and environmental movements in the United States.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 383 - Science, Technology, and Society

Unit(s): 4 An introduction to the social study of science and technology. Focuses on the transformative impacts of technologies on society, as well as related political and cultural values. Critical examination of innovations such as the industrial revolution, information technology, biotechnology, sustainable development, and the scientific process itself.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 384 - Sociology of Consumption

Unit(s): 4 This course explores how goods, commodities, and market logic have saturated all forms of contemporary social life. Analysis of the theoretical ideas and historical factors that shape and influence modern consumerism are also considered. Explores how the dynamics of globalization and issues of identity politics influence consumer consumption.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 385 - Sociology of Culture

Unit(s): 4 Examines the role culture plays in consensus formation, in domination, in resistance, and as a social force creating meaning in our lives. Culture refers to shared beliefs, values and norms, personal and political identities, ideologies, and the things we consume daily.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 388 - Selected Topics in Service Learning

Unit(s): 4 Subject will vary by semester, but course has a required service learning component and concentrates on topics related to aspects of community based research and/or action research. Repeatable with different topics.

Prerequisite(s): Sociology major only.

Typically Offered Variable Intermittently **May Be Repeated** Yes

Teaching Mode: Face-to-Face **Grading:** Graded

SOCI 397 - Special Topics

Unit(s): 1-4 Exploration of basic social problems. Resource persons from other disciplines may participate. Themes and topics will vary.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

SOCI 414 - Social Interaction

Unit(s): 4 Examination of everyday interaction in natural settings. Emphasis will be placed on ethnographic approaches to the understanding of social encounters, situations, identities, and human relationships. Particular attention will be given to the work of Erving Goffman.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 417 - Sociology of Mental Health and Illness

Unit(s): 4 Identifies social sources of emotions and behavior defined as illness. Examines various theories and constructs of mental health and illness through the lens of

culture, religion, and medicine. Analyzes mental health and institutions through the lens of social psychology and social policy.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 425 - Urban Sociology

Unit(s): 4 Examines cities and metropolitan areas, including the social consequences of processes of urbanization and urbanism. Emphasis on the social structural, cultural, and social psychological characteristics of urban life; spatial, economic and political trends; and possible solutions to inequalities and planning challenges.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 431 - Sociology of Religion

Unit(s): 4 Study of world religions (Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism), tribal beliefs, and American sects and denominations. Theories of religious development, values, change, and effects on society.

GE Category: Satisfies GE Area C2 (Literature, Philosophies, Values).

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

SOCI 434 - Cinema and Society

Unit(s): 4 A critical application of major sociological concepts, such as race, gender, class, and sexuality to popular and independent film. Includes discussion of how films affect the framing of social issues and societal and cultural norms.

Prerequisite(s): Course restricted to Sociology majors, minors and Film Studies minors only.

Typically Offered Not Recently Offered

Grading: GRD

SOCI 440 - Sociology of Reproduction

Unit(s): 4 An exploration of sociological perspectives on human reproduction. Topics may include gendered

constructions of reproduction, the social implications of reproductive technologies, historical and contemporary perspectives on normal pregnancy, childbirth and infant feeding, and the politics of reproductive justice.

Prerequisite(s): Course restricted to Sociology and WGS majors & minors only. **Crosslisted:** WGS 440

Typically Offered Variable Intermittently

Grading: GRD

SOCI 443 - Social Policy in the 21st Century

Unit(s): 4 Examination of social policy issues (poverty, health, employment, and family) and the social, political, and economic contexts that influence the content and processes of policy development and implementation. Social policies will be explored at micro-, meso-, and macro- (national, and international) levels.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 445 - Sociology of Childhood and Adolescence

Unit(s): 4 Examines childhood and adolescence in various historical and social contexts. Explores children's agency, how institutions socialize and control youth and social problems confronting young people. Critically evaluates strategies for conducting research about, with and by youth.

Prerequisite(s): Course open to SOCI and ECS majors and minors only.

Typically Offered Variable Intermittently

Grading: GRD

SOCI 449 - Sociology of Power

Unit(s): 4 A structural analysis of the origins, development and applications of power. A comparative historical analysis of the institutions of power leading to contemporary systems of private capital, the trans-national capitalist class, and police/military states. Included also is a review of community mobilizations by people successfully challenging structures of power.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 450 - Punishments and Corrections

Unit(s): 4 A consideration of the problems created by pressures to punish and control criminals, the politics of control strategies. The use and misuse of probation and parole, the concept of correction, and alternatives to incarceration.

Prerequisite(s): Course restricted to Sociology Majors and Minors only **Crosslisted:** CCJS 450

Typically Offered Variable Intermittently

Grading: GRD

SOCI 451 - Sociology of Education

Unit(s): 4 A survey of issues concerning the structure of education in contemporary society, such as the social organization of the classroom, grading practices, political influences on schools, the contribution of education to the maintenance of capitalist society, teacher unionization, and student rights.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 452 - Health Care, Illness, and Society

Unit(s): 4 Focus on the experience of health and illness as well as the social organization of health care. Analyses of the illness experience, patient-practitioner relationships, social support, negotiation of care, health disparities and medical dominance over definitions of illness. Examination of medical, non-medical, and community-based interventions as aspects of care.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 457 - Inequality and Institutions

Unit(s): 4 A survey of issues concerning the institutional arrangements that shape the creation, reproduction, and disruption of racial and gender inequalities. The course will examine institutions, such as law, medicine, and work, from contemporary and historical perspectives.

Prerequisite(s): Sociology majors and minors only.

Typically Offered Variable Intermittently **May Be**

Repeated No

Teaching Mode: Face-to-Face **Grading:** Graded

SOCI 460 - Social Work in the Social World

Unit(s): 4 An introduction to the profession of social work and its practice. Uses service learning to explore social issues, such as poverty, access to education, mental health, and welfare reform and the ways that government, social service agencies, volunteer associations, and social workers respond. Meets Sociological Experience requirement for majors.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 461 - Social Welfare and Social Work

Unit(s): 4 Examines contemporary social welfare and services. Discussion of welfare market (government, private sector, nonprofit) and economic market institutions and social services. Overview of social services issues impacting families as well as persons who are unemployed, disabled, sick, or poor.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Recommended Recommended for students considering social work, counseling, or human services.

Grading: GRD

SOCI 463 - Organizations and Society

Unit(s): 4 Sociological analysis of organizations and their social environment. Introduction to key theories, concepts, methods, and research on organizations in society.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Not Recently Offered

Grading: GRD

SOCI 480 - Sociology of Work

Unit(s): 4 A theoretical and empirical analysis of work in American society. Examines the types of paid work available today, historical changes in occupations and professions, workplace inequalities, and the balancing of work commitments with family and life outside of the workplace.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

SOCI 482 - Sociology of Environment

Unit(s): 4 This service-learning course examines environmental justice, fairness and equity on local-to-global scales; relationships of society to the nonhuman world and analytical critiques of nature-society dualisms; and environmental policy and impacts of local-to-global economics, including the green economy and jobs. Meets Sociological Experience requirement for majors.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 485 - Organizations and Everyday Life

Unit(s): 4 Use of organizational ethnographies and other qualitative research on organizations to illustrate application of organizational theories and perspectives to settings and circumstances likely to be encountered in everyday social life. Includes assessment of organizational ethnography as a research method.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Variable Intermittently

Grading: GRD

SOCI 490 - Teaching Assistant in Sociology

Unit(s): 1-4 Open only to advanced students. Intended to give students experience in assisting the instructor in a sociology course by doing research and tutoring students in the class.

Prerequisite(s): Course restricted to Sociology Juniors and Seniors Only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit for up to 8 units, but only 4 units total of SOCI 490, 493, and 495 may be used toward the major or minor.

Grading: CNC

SOCI 493 - Research Assistant in Sociology

Unit(s): 1-4 Open only to advanced students. Gives students experience in assisting faculty with data collection, library research, and/or data analysis linked to sociological research and writing.

Prerequisite(s): consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit for up to 8 units, but only 4 units total of SOCI 490, 493, and 495 may be used toward the major or minor.

Grading: GRD

SOCI 495 - Special Studies

Unit(s): 1-4 A supervised study of a particular research question or area of interest selected by the student in consultation with a sponsoring faculty member. Regular meetings will be arranged for discussions and progress evaluations, and a term paper will be submitted.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units, but only 4 units total of SOCI 490, 493, and 495 may be used toward the major or minor.

Grading: GRD

SOCI 496 - Internship Practicum

Unit(s): 1 This is a concurrent course for students receiving sociology internship credit. Students will learn to view the internship experience through a sociological lens and as a means to explore workplace issues and career options. Concurrent enrollment with SOCI 499 is required when SOCI 499 is taken for the first time. May not be repeated for credit.

Prerequisite(s): Course restricted to Sociology Majors and Minors only & instructor consent only.

Typically Offered Fall & Spring

Grading: GRD

SOCI 498 - Senior Seminar

Unit(s): 4 Capstone course for the major that requires advanced sociological research. Several topics are offered each semester.

Prerequisite(s): completion of SOCI 201, SOCI 300, SOCI 375, SOCI 301 or MATH 165, each with a minimum grade of C-, and 12 additional sociology units; sociology major; approved graduation application.

Typically Offered Fall & Spring

Grading: GRD

SOCI 499 - Internship

Unit(s): 1-4 For advanced undergraduates in approved internships in organizational settings. Facilitates application of sociological insights to internship site, while also encouraging contribution to organization's mission. Concurrent enrollment in SOCI 496 required when SOCI 499 taken for first time.

Prerequisite(s): Course restricted to Sociology Majors and Minors only

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit for up to 8 units, but only 4 units may be used toward the major or minor.

Grading: CNC

SOCI 595 - Special Studies

Unit(s): 1-4 Advanced research and writing. Students work under close supervision of faculty members. Subject matter can be variable.

Prerequisite(s): graduate status, consent of instructor, and completed special studies form.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: GRD

SSCI 299 - Sophomore Seminar: How to Think Like a Social Scientist

Unit(s): 3 A meta-disciplinary approach to social science literacy for second-year students, developing knowledge of themselves as individuals and applying that knowledge as active, engaged citizens. Students learn to ask questions, consider evidence, analyze data, and recognize theories and methods used by social scientists, as well as to explore their own individual direction for majors and career.

GE Category: Satisfies GE Area E (Life Long Learning/Self Development)

Typically Offered Fall & Spring

Grading: GRD

SSCI 300 - Introduction to Portfolio Development and Special Project

Unit(s): 1 Introduces the student to both the Liberal Studies Program and to the subject matter preparation

program through a broad based, interdisciplinary approach that facilitates the students need to understand the underlying relationship among all the courses in the program of study.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

SSCI 320 - Special Topics

Unit(s): 1-4 Examination of topics within Social Sciences. Themes and topics will vary.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

SSCI 400 - Portfolio Evaluation

Unit(s): 3 Contents of each portfolio will reflect the courses students have taken to complete the program, and will include organized examples of their achievement in each of the core courses in history, political science, economics, and geography, and in the courses they have chosen in the breadth/perspectives part of the program.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

SSCI 444 - Peer Facilitator

Unit(s): 1-4 Provides students experience in assisting an instructor in SSCI 299 by attending lecture, doing course-related research, working with small groups of students, and assisting the instructor(s) with course administrative tasks.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring **May Be Repeated** May be repeated once for credit.

Grading: CNC

SSCI 495 - Special Studies

Unit(s): 1-4 A supervised study of an area of interest selected student in consultation with a sponsoring faculty member. Regular meetings will be arranged for discussions and progress evaluations, and a project/paper and/or portfolio will be submitted.

Typically Offered Variable Intermittently

Grading: GRD

SSCI 499 - Internship

Unit(s): 1-3 **Prerequisite(s):** Consent of Instructor.

Typically Offered Fall & Spring

Grading: CNC

Spanish

SPAN 101 - Basic Spanish, First Semester

Unit(s): 4 Spanish for beginners. Elementary oral expression and fundamentals of grammar; cultural readings and beginning practice in composition.

GE Category: May satisfy GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

SPAN 102 - Basic Spanish, Second Semester

Unit(s): 4 Spanish for beginners, second level. Elementary oral expression and fundamentals of grammar; cultural readings and practice in composition.

Prerequisite(s): SPAN 101 or equivalent.

GE Category: May satisfy GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

SPAN 150 - Elementary Conversation

Unit(s): 2 Directed conversation in Spanish for elementary-level students. Includes individual and class assignments in laboratory. Admission by consent of instructor.

Typically Offered Not Recently Offered

Grading: CNC

SPAN 201 - Intermediate Spanish, 1st Semester

Unit(s): 4 Review of fundamentals and a study of complex structural patterns. Reading of authentic cultural materials used in Spain and Latin America. Weekly compositions.

Prerequisite(s): SPAN 102 or equivalent.

GE Category: Satisfies GE, category C3 (Comparative

Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

SPAN 202 - Intermediate Spanish, 2nd Semester

Unit(s): 4 Communicative grammar patterns in Spanish. Reading of current authentic cultural materials and weekly practice in composition.

Prerequisite(s): SPAN 201 or equivalent.

GE Category: Satisfies GE, category C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

SPAN 250 - Intermediate Conversation

Unit(s): 2 Practice in essential communicative fluency in Spanish.

Prerequisite(s): SPAN 102 or equivalent.

Typically Offered Not Recently Offered

Grading: CNC

SPAN 300 - Advanced Spanish Language

Unit(s): 4 Activities in written and spoken Spanish designed to increase students' proficiency to the advanced level. Course will highlight selected points of grammar structure and form in the context of meaningful engagement with the language. Offered each semester.

Prerequisite(s): SPAN 202.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

SPAN 300H - Advanced Spanish Language for Native/Heritage Speakers

Unit(s): 4 SPAN 300H is designed for native/heritage speakers of Spanish with communicative competence in speaking and understanding Spanish but little formal schooling in the language. SPAN 300H draws on the student's bilingual linguistic and cultural resources to build the knowledge, self-confidence and engagement to successfully use Spanish in academic settings.

GE Category: The course fulfills GE area C3.

Typically Offered Fall & Spring

Grading: GRD

SPAN 301 - Advanced Composition and Conversation

Unit(s): 4 Compositions to achieve a mastery of the written language. Introduction to the preparation of critical essays and studies. Weekly compositions. Offered each semester.

Prerequisite(s): SPAN 300 or SPAN 300H.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall & Spring

Grading: OPT

SPAN 304 - Introduction to Spanish Linguistics

Unit(s): 4 An introduction to the linguistics structure of Spanish. Overview of core components such as phonetics/phonology, morphology/syntax, and semantics/pragmatics.

Prerequisite(s): SPAN 300 or SPAN 300H.

Typically Offered Spring Only

Grading: OPT

SPAN 305 - Introduction to Literature

Unit(s): 4 A study of short forms of literature with the objective of increasing vocabulary, reading for greater understanding, and content analysis. Introduction to concepts and principles of literary analysis (structure, character development, social context, point-of-view, discourse). Offered each Fall semester.

Prerequisite(s): SPAN 300 or SPAN 300H, SPAN 301.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only

Grading: GRD

SPAN 306 - Cultures of Spain

Unit(s): 4 A study of the development of the cultures and origins of Spain, and the formation of identities in its history, literature, film, and art. A survey course including lectures, readings, discussion, and writing. Offered each Fall semester.

Prerequisite(s): SPAN 300 or SPAN 300H.

GE Category: Satisfies GE Area C3 (Comparative

Perspectives and Foreign Languages).

Typically Offered Fall Only

Grading: GRD

SPAN 307 - Cultures of Latin America

Unit(s): 4 A study of the development of the cultures and origins of Latin America, and the formation of identities in its history, literature, film, and art. A survey course including lectures, readings, discussion, and writing. Offered each Spring semester.

Prerequisite(s): SPAN 300 or SPAN 300H.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only

Grading: GRD

SPAN 400 - Special Topics in Linguistics

Unit(s): 4 Topics in Spanish linguistics, which may include sociolinguistics, discourse analysis, historical linguistics, and applied linguistics.

Prerequisite(s): SPAN 304, or permission of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: OPT

SPAN 401 - Authors of Spain

Unit(s): 4 A detailed study of representative authors, genres, periods, or regions. Requires discussion in class and a term paper. Offered each Fall semester.

Prerequisite(s): SPAN 305 or permission of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: GRD

SPAN 402 - Latin American Literature

Unit(s): 4 A detailed study of representative authors, genres, periods, or regions. Requires discussion in class and a term paper. Offered each Spring semester.

Prerequisite(s): SPAN 305 or permission of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: GRD

SPAN 410 - Spanish Translation, Theory, and Practice

Unit(s): 4 Introduction to Translation Theory; service-learning translation project. Survey of principal translation resources, critical evaluation of representative translations, and examination of translation techniques. Collaboration on a translation project with authentic texts provided by agreement with public service agencies representing a wide range of fields. Offered every other Spring semester.

Prerequisite(s): all 300-level classes or permission of instructor.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Alternate Years

Grading: OPT

SPAN 427 - Spanish Teaching Methodologies

Unit(s): 4 Practical application of linguistic principles to the teaching of Spanish. Topics include discussion and practice of methods and materials for teaching Spanish, technological resources for the Spanish teacher and learner, and techniques for learner testing and evaluation.

Prerequisite(s): SPAN 304 or consent of instructor.

Typically Offered Spring Alternate Years

Grading: OPT

SPAN 490 - Seminar in Linguistics

Unit(s): 4 Capstone seminar focusing on a representative theme in the field of linguistics. Requires completion and presentation of a final project (extensive portfolio or research paper), presented in a public setting or a scheduled class presentation, and serving as an exit assessment for graduation.

Prerequisite(s): completion of all 300-level classes and one class at the 400-level.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Grading: GRD

SPAN 491 - Seminar in Literature

Unit(s): 4 Capstone seminar focusing on a representative theme in the field of literature. Requires student discussion and participation. Requires completion and presentation of a final project (extensive portfolio or research paper), presented in a public setting or a scheduled class presentation, and serving as an exit assessment for graduation.

Prerequisite(s): completion of all 300-level classes and one class at the 400-level.

GE Category: Satisfies GE Area C3 (Comparative Perspectives and Foreign Languages).

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: GRD

SPAN 495 - Special Studies

Unit(s): 1-4 Directed, individual study on subjects of special interest. Students must prepare a proposal that is subject to the approval of the Spanish program.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.

Grading: OPT

SPAN 499 - Internship

Unit(s): 1-4 An internship in Spanish must combine: 1) service in a school or an agency in which Spanish is the operational language; 2) the selection of a topic for observation and study; 3) preparation of a bibliography and a reading list related to the internship activity; 4) a term paper that reflects both the internship work experience and appropriate research. For proposals and placement, please see the program coordinator.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated once for credit.

Grading: OPT

SPAN 500 - Second Language Pedagogy

Unit(s): 4 A course in second language acquisition theory and second language pedagogy in which participants learn to understand and apply models of proficiency-oriented and standards-based language instruction.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 501 - Teaching Practicum/Internship

Unit(s): 2-4 Requires Advisor approval. This course is a participatory experience for students in the MA program. Students participate in the instruction of a Spanish class or collaborate with program faculty to design an internship experience that provides a practical dimension to research or learning obtained through the program.

Prerequisite(s): SPAN 500 or Graduate Advisor consent.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 502 - Advanced Linguistics

Unit(s): 4 A course in Spanish linguistics that analyzes the form, meaning, and function of linguistic units; including, but not limited to, phonetics/phonology, morphology, and syntax. Requires completion of a research project.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 503 - Practical Linguistics

Unit(s): 4 A course in the significant elements of Spanish linguistics as applied in areas such as translation and interpretation and the pragmatics of oral and written discourse, including literary texts. Required completion of a research project.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 504 - Hispanic Literature I

Unit(s): 4 This survey course examines the literature of Spain and the Americas written before 1700 in a variety of genres and styles. Methods of literary analysis and historical contexts are covered. This course requires the reading of *El Quijote*, among other texts.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 505 - Hispanic Literature II

Unit(s): 4 This survey course examines the literature of Spain and the Americas written in the 18th and 19th centuries. Methods of literary analysis and historical contexts are covered. Course restricted to SPAN MA students.

Typically Offered Variable Intermittently

Grading: GRD

SPAN 506 - Hispanic Literature III

Unit(s): 4 This survey course examines the literature of Spain and the Americas written since 1898 in a variety of genres and styles. Methods of literary analysis and historical contexts are covered.

Typically Offered Variable Intermittently
Grading: GRD

SPAN 595 - Special Topics

Unit(s): 1-4 Directed, individual study on a particular topic. Students must prepare a proposal that is subject to the approval of the Spanish program.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.
Grading: OPT

Theatre Arts

THAR 101 - Making Theatre

Unit(s): 3 This course is an overview of the art and practice of making theatre. Designed for non-majors, the class examines the various elements involved in creating, developing, performing, and presenting a theatrical event. Through lecture, guest speakers, hands-on projects, video, and demonstrations, students gain an appreciation of the artistry of live theatre performance.

GE Category: Satisfies GE Area C1 (Applied Arts Combining Studio and Theory).
Typically Offered Fall & Spring
Grading: OPT

THAR 105 - Technical Theatre Workshop

Unit(s): 1 A production class in which students receive credit for backstage and technical work in plays and dance concerts directed by faculty members and guest artists.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 6 times for credit.
Grading: GRD

THAR 110 - Dance Fundamentals

Unit(s): 1 An introduction to the fundamentals of modern dance designed to develop body awareness, movement skills, and aesthetic sensibilities. Includes improvisation,

rhythm, motion and space exploration, and fundamentals of alignment.

Typically Offered Fall & Spring **May Be Repeated** May be taken 5 times for credit.
Grading: OPT

THAR 115 - Dance Styles

Unit(s): 1 Class may focus on a particular dance style, e.g., contact improvisation, jazz or tap, or on dances of a particular era, e.g., social dance from 1935 to 1960. The emphasis will be on American dance styles. Some styles of dancing require more generalized dance background than others.

Typically Offered Fall & Spring **May Be Repeated** May be taken five times for credit.
Grading: OPT

THAR 116 - Acting Styles: Comedy Improvisation

Unit(s): 1 Class will focus on a particular acting style, e.g. comedy, commedia del arte, farce, or improvisation.

Typically Offered Fall & Spring **May Be Repeated** May be taken 4 times for credit.
Grading: OPT

THAR 120A - Acting Fundamentals

Unit(s): 1 Exploration of acting includes group and individual improvisation, physical and vocal exercises, and scene work, leading toward relaxation, physical action, and believability. Class work is designed to stimulate the imagination, build self-confidence and trust, and teach basic concepts for acting.

Typically Offered Variable Intermittently **May Be Repeated** May be taken 3 times for credit.
Grading: GRD

THAR 125 - Intro to Acting

Unit(s): 3 Introduction to acting techniques including physical and vocal exercises, script analysis, activating the imagination, cultivating stage presence, and telling dramatic stories artfully and effectively. Students will gain experience in oral communication, critical thinking, and build self-confidence. Part of the Acting Concentration. Open to majors and non-majors.

GE Category: GE Area A1 (Oral Communication)..

Typically Offered Fall & Spring
Grading: GRD

THAR 143A - Stagecraft

Unit(s): 2 Work in both theory and practice covers scenery construction techniques and drawings for the theatre. Use of tools and materials for scenery, costumes, props, and lighting will be fundamental to the course.

Typically Offered Fall & Spring
Grading: GRD

THAR 143B - Costumes

Unit(s): 2 An introduction to the fundamentals of costume design and construction. Basic makeup for the stage will be examined and practiced.

Prerequisite(s): THAR 143A. **Co-requisite(s):** Or THAR 143A.

Typically Offered Variable Intermittently
Grading: OPT

THAR 144A - Scenery

Unit(s): 2 Design principles are applied to scenery and properties for the stage. Includes advanced drafting and rendering techniques used to realize and execute designs for production.

Prerequisite(s): THAR 143A.
Typically Offered Variable Intermittently
Grading: OPT

THAR 144B - Lighting

Unit(s): 2 Basic lighting design, including the drawing of lighting plots, rigging techniques, and the operation of light boards and systems. Work in class affords direct experience in lighting of departmental productions.

Prerequisite(s): THAR 143A.
Typically Offered Variable Intermittently
Grading: OPT

THAR 145A - Voice for the Actor

Unit(s): 1 Fundamentals of voice to free the natural voice and build towards its full use. Exercises in breathing, relaxation and movement, resonance, and power will help the actor discover a direct, spontaneous connection

between breath and the impulse to speak; develop greater vocal range; and explore the intricacies, implications, layers, and joys of the spoken text.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.
Grading: OPT

THAR 145B - Speech for the Actor

Unit(s): 1 Articulate speech and textual clarity are primary skills for the actor. This course will concentrate on the fundamentals of speech, anatomy of good sound production, standard pronunciation techniques through the International Phonetic Alphabet (IPA), and methods for clearly speaking, articulation, vocal muscularity, and phrasing.

Prerequisite(s): THAR 145A.
Typically Offered Spring Only **May Be Repeated** May be repeated once for credit.
Grading: GRD

THAR 146A - Movement for Actors 1

Unit(s): 1 This course is a foundational introduction to movement for the actor's work in developing their physical presence on stage. Students will explore physical expression as an integral tool in performance using techniques from physical theater, dance, mime, and others. Face-to-face. Required for Acting Majors and a prerequisite for THAR 146B. Open to non-majors. One unit.

Typically Offered Fall Only **May Be Repeated** Yes
How many times?
2 Maximum units for credit
2
Teaching Mode: Face-to-Face **Grading:** Graded

THAR 146B - Movement for Actors 2

Unit(s): 1 Expanding on skills learned in Movement for Actors I, the techniques in this course will strengthen and expand the actor's physical instrument using dramatic scenes and text work. Face-to-face. Required for Acting Majors. Open to non-Majors. Prerequisite THAR 146A Movement for Actors I. 1 unit.

Prerequisite(s): THAR 146A

Typically Offered Spring Only **May Be Repeated** Yes
How many times?

2 Maximum units for credit

2

Teaching Mode: Face-to-Face **Grading:** Graded

THAR 160A - Humanities Learning Community

Unit(s): 4 THAR 160A/THAR 160B is a year long course, which features weekly lectures and small seminars. It delves deep into the nature of dance, theatre, and live performance, and asks the student to explore the nature of creativity itself. It constitutes a Humanities Learning Community (HLC) for any first-year student.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

THAR 160B - Humanities Learning Community

Unit(s): 4 THAR 160A/B is a year long course, which features weekly lectures and small seminars. It delves deep into the nature of dance, theatre, and live performance, and asks the student to explore the nature of creativity itself. It constitutes a Humanities Learning Community (HLC) for any first-year student.

Prerequisite(s): THAR 160A.

GE Category: The learning objectives of the HLC will satisfy A3 (Critical Thinking) and C3 (Comparative Perspectives and/or Foreign Languages) GE Areas. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

THAR 199 - Student-Instructed Course

Unit(s): 1-3 **Typically Offered** Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

THAR 202 - Introduction to the History of Drama and Dance: Origins to 1800

Unit(s): 4 First of a two course sequence, this course examines Western theatre traditions of ritual, drama, and dance at their origins, while dramatic tragedy and comedy are traced from the Golden Age of Greece through the Age of Enlightenment, roughly 1800. Added emphasis is placed

on traditional Asian theatre forms. May be taken independently from THAR 203. The course relates the theatre's past to how theatre is practiced today.

GE Category: Satisfies GE Area C1 (History of the Fine Arts).

Typically Offered Fall Only

Grading: CNC

THAR 203 - Introduction to the History of Drama and Dance: 1800 to Present

Unit(s): 4 Part two examines theatre, drama and dance from the 19th century to the present, including the rise of Realism and other theatre and dance forms in the 20th century. Also considered are the American musical, and recent trends in diversity and multiculturalism, and the theatre's relationship to electronic media. May be taken independently from THAR 202.

GE Category: Satisfies GE Area C1 (History of the Fine Arts).

Typically Offered Spring Only

Teaching Mode: Face-to-Face & Hybrid. **Grading:** OPT

THAR 210 - Contemporary Dance I

Unit(s): 2 Introduces specific contemporary techniques, with the emphasis on expanding movement range and facility. Alignment, strength, flexibility, and expressiveness are concerns of this course, which is intended for students with some experience in movement fundamentals.

Typically Offered Fall & Spring **May Be Repeated** May be repeated twice for credit.

Grading: OPT

THAR 212 - Contemporary Dance Level III

Unit(s): 2 Continuation of THAR 211.

Prerequisite(s): THAR 210.

Typically Offered Fall & Spring **May Be Repeated** May be repeated twice for credit.

Grading: OPT

THAR 213 - Contemporary Dance Level IV

Unit(s): 2 Continuation of THAR 212.

Prerequisite(s): THAR 210.

Typically Offered Fall & Spring **May Be Repeated** May

be repeated twice for credit.

Grading: OPT

THAR 220A - Acting: Text and Scene Study

Unit(s): 2 Text analysis and scoring, rehearsals, and in-class presentation of scenes drawn from realistic dramatic literature. Work with emotional memory and characterization. Core course for Acting Concentration majors.

Prerequisite(s): THAR 120 or equivalent or consent of Director of the Acting Program. Open to THAR sophomores, juniors and seniors.

Typically Offered Fall Only **May Be Repeated** May be taken two times for credit.

Grading: OPT

THAR 220B - Acting: Characterization

Unit(s): 2 The focus of this course is on aiding the actor in developing a process for creating believable dramatic characters, and bringing them truthfully to life in theatrical context. Study of life models support presentations of rehearsed scenes, which are then critiqued and developed in class. Scenes are normally drawn from realistic dramatic literature. This course is the third in the Acting Concentration sequence, and is a core course for acting majors.

Prerequisite(s): THAR 120 and THAR 220A or equivalent and consent of instructor.

Typically Offered Spring Only **May Be Repeated** May be taken two times for credit.

Grading: GRD

THAR 230 - Stage Management

Unit(s): 2 The functions of the stage manager from audition to final performance are examined. Students are trained to organize rehearsals, record actors' movements, create prompt books, and to manage a performance. Students serve as stage managers for Performing Arts productions.

Prerequisite(s): THAR 144A and THAR 144B.

Typically Offered Fall Only

Grading: GRD

THAR 231 - Stage Management

Unit(s): 1 Stage Management Practicum. Students serve as stage managers for Performing Arts productions.

Prerequisite(s): THAR 230 (or co-requisite) or consent of instructor.

Typically Offered Fall & Spring

Grading: OPT

THAR 240 - Choreography I

Unit(s): 2 Fundamentals of choreography through a problem-solving approach. Studies deal with aspects of time, space, dynamics and movement, with an emphasis on perceptions of meaning, that is, on "seeing" dancing as well as "making" dancing.

Prerequisite(s): THAR 210 or consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be taken two times for credit.

Grading: GRD

THAR 244 - Scene Painting

Unit(s): 2 Study and practice of the basics of layout and painting of scenery, from rendering to full scale. Students assist in painting scenery used in Theatre and Dance productions. Includes instruction on handling toxic materials safely and on protecting the environment.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B.

Typically Offered Not Recently Offered

Grading: GRD

THAR 273 - Literature and Performance: Critical and Creative Readings

Unit(s): 4 This course explores the relationship between literature and performance, reading and rendition, the interaction between the literary skills of close reading, embodied reading, and possible productions of these readings on the page, stage or screen.

Prerequisite(s): completion of GE Category A2 (ENGL 101 or ENGL 100B) required.

GE Category: Satisfies GE Area C2. Only one course numbered 273 in the Arts & Humanities will be considered for credit.

Typically Offered Fall & Spring

Grading: OPT

THAR 275 - Contemporary Plays and Playwrights

Unit(s): 3 This class is an exciting and dynamic way to explore contemporary American play writing and its

impact of on the current American theatre scene. It offers some of the finest writing that is occurring in this country today. Students will discover theatrical trends of our own era, and how these trends relate to contemporary politics.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: GRD

THAR 300 - Theatre in Action

Unit(s): 3 Required of all Theatre Arts majors. An investigation of technique, form, and content in drama and dance performances. Attendance at oral discussion and written critiques of 7-8 departmental, local, and/or Bay Area productions will develop articulate understanding of contemporary performance and its relation to theatre history, the arts, society, and culture. Activities fee payable at time of registration.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

GE Category: Satisfies upper division GE Area C1 (History of the Fine Arts). For juniors and seniors only. (Also available as periodic trips to New York.)

Typically Offered Fall & Spring **May Be Repeated** May be taken 2 times for credit.

Grading: GRD

THAR 301 - Dance Ensemble

Unit(s): 1-3 A process-and-product class in which students receive credit for major participation in areas of dance, choreography, or technical work (costumes, light, decor) for presentation in public performance. Dances may be choreographed and directed by faculty, guest artists, or students.

Prerequisite(s): THAR 240 or consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 6 times for credit.

Grading: OPT

THAR 302 - Drama Ensemble Workshop

Unit(s): 1-3 A production class in which students receive credit for major participation as a partner in plays directed by faculty members and guest artists. Play titles, performance venues, styles, and production approaches vary from semester to semester.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 6 times for credit. By audition or consent of

instructor.

Grading: OPT

THAR 303 - Technical Theatre Workshop

Unit(s): 1-3 A production class in which students receive credit for design, backstage, and technical work in plays directed by faculty members and guest artists.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 6 times for credit. By audition or consent of instructor.

Grading: OPT

THAR 304 - Production Dramaturgy

Unit(s): 1-3 I, hands-on rehearsal dramaturgy as practiced in the professional theatre. Students are assigned to work closely on a production in the department season, and implement story analysis, in-depth research, and information design to help shape the production. Key elements of dramaturgical work include concept work with the director, research for cast, program notes, outreach talks, study guides, and other possible outcomes based on the production's needs.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: OPT

THAR 310A - Contemporary Dance Forms - Intermediate

Unit(s): 2 THAR 310 A, B, C, D - An intermediate contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Prerequisite(s): THAR 210, and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

THAR 310B - Contemporary Dance Forms - Intermediate

Unit(s): 2 THAR 310 A, B, C, D - An intermediate contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and

description.

Prerequisite(s): THAR 310A and consent of instructor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

THAR 310C - Contemporary Dance Forms - Intermediate

Unit(s): 2.00 THAR 310 A, B, C, D - An intermediate contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Typically Offered Fall & Spring

Grading: GRD

THAR 310D - Contemporary Dance Forms - Intermediate

Unit(s): 2.00 THAR 310 A, B, C, D - An intermediate contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Typically Offered Fall & Spring

Grading: GRD

THAR 311 - Actor / Dancer Collaboration I: Core Technique & Practice

Unit(s): 1 This course introduces somatic-based movement emphasizing functionality, efficiency and body awareness for performance. Pedagogy engages students in experiential training methods such as Yoga, Feldenkrais, Pilates, and Body-Mind Centering focusing on mindfulness, expressivity, longevity and students' health.

Prerequisite(s): THAR 220B or consent of Acting or Dance Program advisors.

Typically Offered Fall Only

Grading: GRD

THAR 312 - Actor / Dancer Collaboration II: Movement & Improvisation

Unit(s): 1 In this course, the student will be guided through explorations and exercises to increase mobility,

expression, imagination and collaboration. Pedagogy incorporates experiential training and skill building that includes Contact Improvisation, Conditioning, Partnering, Collaboration, and more.

Prerequisite(s): THAR 311 or consent of Acting or Dance Program advisors.

Typically Offered Fall Only

Grading: GRD

THAR 313 - Ballroom & Social Dance

Unit(s): 1 This course teaches American Ballroom Dancing including the Waltz, Fox Trot, Tango, and Viennese Waltz. Students will learn Mechanics, Rhythm, and Style. A main emphasis will be on the duet partnership. No prerequisite. May be taken once for UD Acting Concentration credit, and a second time as an elective.

Typically Offered Spring Even Years

Grading: GRD

THAR 316 - 25 Elements of Comedy: Its All in the Surprise

Unit(s): 1 Comedy is BIG business, and a lot of fun. Actors play with 25 elements of comedy through comic scenes, action, and stage business.

Prerequisite(s): THAR 120 or consent of Acting Program advisors.

Typically Offered Spring Odd Years **May Be Repeated**

May be taken once for UD Acting Concentration credit, and a second time as an elective.

Grading: GRD

THAR 320A - Shakespeare I: Verse Scansion & Paraphrase

Unit(s): 2 A course in acting techniques for Shakespeare: scansion, paraphrase, vocal production, monologues and scenes.

Prerequisite(s): THAR 120, THAR 145A, THAR 145B, THAR 220A, THAR 220B, and ENGL 339 or consent of Acting Program advisors.

Typically Offered Fall Only **May Be Repeated** May be repeated once for elective credit.

Recommended Recommended for Hutchins and English majors.

Grading: GRD

THAR 320B - Shakespeare II: Scene Study

Unit(s): 2 This advanced course builds on Shakespearean acting techniques, deepening analysis of text and introducing rhetorical devices and use of irony. Features advanced scene study of prose scenes and scenes where both verse and prose are employed. Most importantly, separating out Block content into discrete courses with individual course titles and descriptions will open content to more students and increase acting course enrollments overall, for majors, minors and other qualified students across campus.

Prerequisite(s): ENGL 339 and 320A or consent of Acting Program advisors.

Typically Offered Spring Only

Grading: GRD

THAR 320C - Physical Theatre Workshop

Unit(s): 2 Actors learn to physicalize character through movement fundamentals, stamina, and relaxation. Stage presence is addressed through exploration of scenes that demand a dominant physical approach for their effective realization.

Prerequisite(s): THAR 120, THAR 145A, THAR 145B, THAR 220A, and THAR 220B, or consent of Acting Program advisors.

Typically Offered Fall Odd Years

Grading: GRD

THAR 320D - Commedia dell `Arte & Masks

Unit(s): 2 The eyes are the windows to the soul and the mask a whole open doorway. Actors literally look through someone else's eyes and find physical transformation and a new way of relating to the audience.

Prerequisite(s): THAR 320C or consent of Acting Program advisors.

Typically Offered Spring Even Years

Grading: GRD

THAR 321A - Intermediate Technical Block/Foundations

Unit(s): 2 Technical concentration students participate in the foundations, script analysis, and design projects.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B, THAR 244, and consent of instructor.

Typically Offered Fall Only

Grading: GRD

THAR 321B - Intermediate Technical Block

Unit(s): 2 Technical concentration students participate in the foundations, script analysis, and design projects.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B, THAR 244, THAR 321A, and consent of instructor.

Typically Offered Spring Only **May Be Repeated** May be repeated once for credit.

Grading: GRD

THAR 322A - Advanced Scene Study

Unit(s): 2 Text analysis and scoring, rehearsals, and in-class preparation of scenes drawn from realistic dramatic literature. Work with emotional memory and characterization. Core course for Acting Concentration majors.

Prerequisite(s): THAR 120B or equivalent and consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be taken twice for credit.

Grading: GRD

THAR 322B - Advanced Scene Study

Unit(s): 2 Text analysis and scoring, rehearsals, and in-class preparation of scenes drawn from realistic dramatic literature. Work with emotional memory and characterization. Core course for Acting Concentration majors.

Prerequisite(s): THAR 120, THAR 220A or THAR 322A or equivalent, and consent of instructor.

Typically Offered Spring Only **May Be Repeated** May be taken twice for credit.

Grading: GRD

THAR 324 - On Camera: Acting & Production

Unit(s): 2 Acting and performing in front of the camera, although similar to theater, is distinctive in approach and technique. This course is an introduction to film and TV acting where acting students acquire techniques for working in front of the camera and film students learn to set up camera and audio equipment and work behind the camera. The On- Camera course is intended for advanced actors to further develop techniques assimilated in the courses prerequisites of THAR 120 and THAR 220A. Film production students may enroll with permission of instructor.

Prerequisite(s): THAR 120B and THAR 220A or consent of the Director of the Acting Program.

Typically Offered Variable Intermittently

Grading: GRD

THAR 325 - Audition for the Theatre

Unit(s): 2 This course is designed to cover the practical aspects of auditioning for the theatre, including 1) selecting appropriate material, e.g., classic/modern, dramatic/ comic, musical/revue; 2) preparing audition pieces; 3) giving a winning audition; 4) evaluating performance for future guidance; and 5) resume and headshot needs.

Prerequisite(s): THAR 120, or consent of instructor.

Typically Offered Variable Intermittently

Grading: GRD

THAR 326 - Circus Technique

Unit(s): 1 The course develops circus techniques for theatrical presentation teaching basic circus skills, while providing resources for continued skill development.

Prerequisite(s): THAR 120 or consent of Acting Program advisors.

Typically Offered Fall Odd Years **May Be Repeated**

May be taken once for UD Acting Concentration credit, and a second time as an elective.

Grading: OPT

THAR 327 - Stage Combat

Unit(s): 1 Stage Combat introduces safe portrayal of violence onstage to create the illusion of danger to facilitate storytelling, character development, and given circumstances. Modes include swordplay, hand-to-hand combat, among others. May be taken once for UD Acting Concentration credit, and a second time as an elective.

Prerequisite(s): No prerequisite.

Typically Offered Spring Only

Grading: GRD

THAR 328 - Accents & Dialects

Unit(s): 1 Actors create believable accents and dialects using the International Phonetic Alphabet (IPA) as a cornerstone. Students also learn how to acquire accents on their own.

Prerequisite(s): THAR 145A and THAR 145B.

Typically Offered Fall Even Years **May Be Repeated**

May be taken once for UD Acting Concentration credit, and a second time as an elective.

Grading: GRD

THAR 330 - Musical Theatre Production

Unit(s): 1-3 A course devoted to the study and performance of musical theatre literature. Designed for singers, actors, and others interested in musical theatre. This

Typically Offered Fall & Spring **May Be Repeated**

Course may be repeated for credit.

Grading: GRD

THAR 333 - Anatomy for Dance

Unit(s): 3 This Anatomy for Dance class will explore kinesiological principles of movement in an experience-based, dance-focused framework. Students will learn the concepts, structures and systems that comprise and organize the moveable body. With guided studies to activate the learning process, this anatomy course encourages the student to integrate information with experience. With an attention to dance technique this course will aid the student in understanding the elements of kinesiology that are most pertinent to dance.

Prerequisite(s): Junior/Senior dance major/minor and/or instructor permission

Typically Offered Fall Odd Years **May Be Repeated**

Yes **How many times?**

2

Teaching Mode: Face-to-Face **Grading:** Graded

THAR 334 - Teaching Methodologies

Unit(s): 3 Methods and skills for teaching a variety of dance forms including modern/contemporary, jazz, hip-hop, ballet, and more through research, theory and practice.

Prerequisite(s): Junior or senior level dance major/minor and/or instructor permission plus THAR 333 – Anatomy for Dance

Typically Offered Spring Even Years **May Be Repeated** Yes **How many times?**

2

Teaching Mode: Face-to-Face **Grading:** Graded

THAR 340 - Choreography II

Unit(s): 2 Further development of choreographic skills and artistry. Includes problems in group choreography and relationship to fundamentals of rhythm.

Prerequisite(s): THAR 240.

Typically Offered Spring Only

Grading: GRD

THAR 344A - Design for the Stage

Unit(s): 3 An advanced course examining design and rendering techniques for the stage. Students learn advanced drafting techniques. Class works as a team, with students assuming various design responsibilities for selected plays.

Prerequisite(s): THAR 144A and THAR 144B, and consent of instructor.

Typically Offered Fall Only

Grading: OPT

THAR 344B - Design for the Stage

Unit(s): 3 Continuation of THAR 344A.

Prerequisite(s): THAR 144A and THAR 144B, THAR 344A, and consent of instructor.

Typically Offered Spring Only

Grading: OPT

THAR 345 - Choreography III

Unit(s): 2 Further development of choreographic skills and artistry, including more extensive group choreography and relationship of movement to sound and music.

Prerequisite(s): THAR 340.

Typically Offered Fall Only

Grading: OPT

THAR 350 - Directing Workshop

Unit(s): 2 A workshop in directing scenes and compositions. Rehearsal and techniques, composition, blocking, characterization, rhythm, style, and script analysis are explored. Approaches of significant directors are examined.

Prerequisite(s): all lower-division Theatre major/minor requirements, or consent of instructor.

Typically Offered Fall Only **May Be Repeated** May be

taken 3 times for credit.

Grading: GRD

THAR 370A - Early Plays: Evolution and Innovation

Unit(s): 3 An examination of Western theatre from the Greeks to the Enlightenment. Plays are used as a basis for understanding how theatre reinvents itself to reflect social and historical currents. Emphasis on how dramatic literature and history can be interpreted and re-examined to resonate with today's theatre. The theatre artist is viewed as a voice for humanity as well as a force for social change.

Prerequisite(s): THAR 202 or consent of instructor.

Typically Offered Fall Only

Grading: OPT

THAR 370B - Modern Plays: Evolution and Innovation

Unit(s): 3 Seminar on dramatic literature from the late 19th century to our own time. Continuation of THAR 370A. May be taken out of sequence.

Prerequisite(s): THAR 203 or consent of instructor.

Typically Offered Spring Only

Grading: OPT

THAR 371 - Contemporary Dance History

Unit(s): 3.00 This course is designed to introduce students to some of the choreographers and dance pioneers that have shaped 20th and 21st century dance. We will broadly explore social and political culture and its influence and significance in concert dance beginning with the turn of the century and ending at the present day. We will investigate race, gender, identity, equity and representation in performance. This course includes an embodied approach to scholarship. Prerequisites: Junior or senior level dance major/minor or instructor permission. Repeatable once for credit.

Prerequisite(s): Junior or senior level dance major/minor or instructor permission.

Typically Offered Spring Only **May Be Repeated** Yes
How many times?

1 Maximum units for credit

6

Grading: GRD

THAR 373 - Dances of the World

Unit(s): 4 Examination of dance as cultural expression in diverse global dance forms. This course focuses on ways in which social, ritual, and theater dance styles create and reflect cultural identity, define tradition and embrace innovation, and intersect in a global world.

GE Category: Satisfies upper-division GE Area C3.

Typically Offered Not Recently Offered

Grading: GRD

THAR 374 - Theatre of the World

Unit(s): 4 This course is an exploration of theatre traditions from around the world. Theatre is examined as the expression of specific cultures. Students learn how theatre practice influences theatre-making in both Western and Eastern Cultures. This course is required for General Theatre Degree majors.

GE Category: Also satisfies upper-division GE Area C3.

Typically Offered Fall Only

Grading: OPT

THAR 376 - Playwriting I

Unit(s): 3 An introduction to the art and craft of writing for the stage, for writers of diverse levels of experience. Focuses in particular on the development of character, and explores the virtues of both imaginative freedom (the first draft) and structure (the rewrite). Includes in-class writing and performance improvisations, as well as study of plays by contemporary writers. Students create original short plays (ten-minute or one-act) and have selections of their work performed for an audience at the end of the term.

Typically Offered Fall Only

Grading: OPT

THAR 377 - Playwriting II

Unit(s): 3 Stage writing for more experienced playwrights. Students will experiment with lengthier forms and new methods for first drafts. Work is performed in an end-of term festival.

Prerequisite(s): THAR 376 or permission or instructor.

Typically Offered Fall Only

Grading: GRD

THAR 379 - Research Practice for Theatre and Dance

Unit(s): 3 This course teaches professional research methodology as a means to artistry in the creation of dance and theatre, with applications to performance, design, criticism, history, and dramaturgy. Research avenues include creative and biographical material on key artists, historical and cultural context, locating imagery (print, digital, multimedia), sound/music sourcing, and materials specific to unique production needs. The course addresses best practices in information competence and focuses on research as an art as much as a pragmatic skill.

Typically Offered Fall Only **May Be Repeated** May be taken twice for credit.

Grading: GRD

THAR 392 - Performing Arts for Children

Unit(s): 2 Dance, music, and theatre are essential components of elementary education. Through hands-on studio work and lesson planning assignments, this course familiarizes undergraduates who intend to pursue a multiple subject teaching credential with the content knowledge necessary to prepare them to lead instruction in these subject areas.

Crosslisted: LIBS 392

Typically Offered Fall & Spring

Grading: GRD

THAR 400 - Theatre of Today

Unit(s): 1 A career preparation course in topics vital to the emerging artist such as career preparation guidance, resume writing, graduate school application, professional internships, and community theatre options. Professional guest speakers augment the regular faculty.

Typically Offered Fall Only

Grading: GRD

THAR 401 - Senior Project Ensemble Workshop

Unit(s): 3 An upper-division Theatre Arts student may petition the Theatre Arts faculty for permission to do a Senior Project. Such a project is the culmination of the student's work, and may be an original work, a performance project, a research paper, a teaching project, or take some other form which represents and reflects the student's interests and accomplishments. The privilege of doing a Senior Project is awarded only to a student deemed exceptional by the department faculty. Students who participate in another student's Senior Project may enroll in Dance or Drama Ensemble to receive credit.

Prerequisite(s): Class open to Theatre Arts Seniors only, with departmental consent.

Typically Offered Fall & Spring

Grading: GRD

THAR 410A - Contemporary Dance Forms - Advanced

Unit(s): 2 THAR 410 A, B, C, D - An advanced contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

THAR 410B - Contemporary Dance Forms - Advanced

Unit(s): 2 THAR 410 A, B, C, D - An advanced contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Typically Offered Fall & Spring

Grading: GRD

THAR 410C - Contemporary Dance Forms - Advanced

Unit(s): 2.00 THAR 410 A, B, C, D - An advanced contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential. Material is presented by means of demonstration and description.

Typically Offered Fall & Spring

Grading: GRD

THAR 410D - Contemporary Dance Forms - Advanced

Unit(s): 2.00 THAR 410 A, B, C, D - An advanced contemporary dance technique class exploring principles of body patterning in regard to helping the student develop full physical, creative and intellectual potential.

Material is presented by means of demonstration and description.

Typically Offered Fall & Spring

Grading: GRD

THAR 420A - Approaches to Anti-Realism

Unit(s): 2 Actors explore Expressionism, Absurdism, Surrealism, Dada, writers such as Brecht, Beckett whose theatre is beyond the boundaries of psychological realism.

Prerequisite(s): THAR 120, THAR 145A, THAR 145B, THAR 220A, and THAR 220B, or Acting Program Director consent. Face-to-face mode.

Typically Offered Fall Only

Grading: GRD

THAR 420B - Comedy of Manners

Unit(s): 2 Comedy of Manners reflects and satirizes the ideals and manners of upper class society. Actors learn to acquire and maintain a mask of artifice while revealing the true character behind it.

Prerequisite(s): THAR 120, THAR 145A, THAR 145B, THAR 220A, and THAR 220B, and THAR 320A. Face-to-face mode.

Typically Offered Spring Only

Grading: GRD

THAR 420C - Chekhov Workshop

Unit(s): 2 Psychological realism explored through the plays of Chekhov will be the focus for this course. Scenes are explored and presented for discussion and deeper examination.

Prerequisite(s): THAR 120, THAR 145A, THAR 145B, THAR 220A, and THAR 220B or consent of Acting Programs advisors.

Typically Offered Spring Odd Years **May Be Repeated** May be taken once for UD Acting Concentration credit.

Grading: GRD

THAR 420D - Devised Project Workshop

Unit(s): 2 Students will create a new piece of theatre for public presentation guided by a guest artist or resident acting faculty. Material will be developed based on class cohort consensus.

Prerequisite(s): THAR 320A or THAR 420A. or Acting

Program Director consent. Face-to-face mode.

Typically Offered Spring Odd Years

Grading: GRD

THAR 421A - Advanced Technical Block/Foundations

Unit(s): 2 Technical concentration students participate in the foundations, script analysis, and design projects.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B, THAR 244, THAR 321A, THAR 321B, and consent of instructor.

Typically Offered Fall Only

Grading: GRD

THAR 421B - Advanced Technical Block/Foundations

Unit(s): 2 Technical concentration students participate in the foundations, script analysis, and design projects.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B, THAR 244, THAR 321A, THAR 321A, THAR 321A, and consent of instructor.

Typically Offered Spring Only

Grading: GRD

THAR 430 - Special Topics

Unit(s): 1-3 Special topics in theatre arts selected to introduce students to recent theory, research, and practice in the discipline. Consult Schedule of Classes for topic to be studied and current unit offering.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face & Hybrid. **Grading:** GRD

THAR 444 - History of Ornament

Unit(s): 2 Form and function of props, furniture, and architectural structures produced by humankind through the ages. Examination of ways in which decorations, style, and uses of these objects have evolved under political, cultural, and socioeconomic influences. May include research and construction of properties for Performing Arts productions.

Prerequisite(s): THAR 143A and THAR 143B, THAR 144A and THAR 144B

Typically Offered Variable Intermittently

Grading: OPT

THAR 460 - Drama for Children

Unit(s): 2 Developing skills and resources for working with children, including creative dramatics, mime, storytelling, and scripted drama. Practical experience in working with children will be gained through master teacher observation and student teaching.

Typically Offered Fall Only

Grading: OPT

THAR 470 - Dance for Children

Unit(s): 2 Developing resources and skills for working with children in creative movement. Class includes participation in rhythmic activities and movement exploration, with observation and student teaching of children's dance classes.

Typically Offered Not Recently Offered **May Be Repeated** May be taken 3 times for credit.

Grading: OPT

THAR 480 - Coordinated Projects

Unit(s): 1-3 Involvement in on- and off-campus dance or drama projects with student directors, actors, designers, and/or technicians, and under faculty supervision.

Prerequisite(s): consent of faculty supervisor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated 6 times for

Grading: OPT

THAR 485 - Teaching Assistant in Theatre Arts

Unit(s): 1-4 Teaching assistantship in Theatre Arts. Open only to upper-division students with knowledge of theatre with special interest in teaching and pedagogy. Intended to give students classroom experience by assisting an instructor in a Theatre Arts and Dance department course, or under the supervision of a faculty member, experience in tutoring students. Prior arrangements with faculty required.

Prerequisite(s): Class open to Juniors, Seniors, and Graduate Students only.

Typically Offered Fall & Spring

Grading: GRD

THAR 490 - Theatre Practicum

Unit(s): 1-3 The use and development of a theatre skill such as acting, dancing, design, lighting, or set or costume construction, in a commercial environment where the evaluation of the work is under professional rather than faculty supervision.

Prerequisite(s): consent of faculty advisor.

Typically Offered Fall & Spring

Grading: OPT

THAR 495 - Special Studies

Unit(s): 1-4 Individualized studies in topics beyond the scope of the regular curriculum. Contract with an instructor, specifying course expectations, work to be completed, regular schedule of contact hours, and assessment criteria.

Prerequisite(s): consent of faculty advisor.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

University Courses

UNIV 102 - First Year Experience

Unit(s): 1-3 Designed to foster a supportive learning community, provide mentoring, and enhance academic/personal skills, and knowledge about campus resources to facilitate successful transition from high school to college. Other aspects covered are major/career exploration, health/social issues, and diversity.

Typically Offered Fall Only **May Be Repeated** May be repeated once for a total of up to 3 units.

Recommended This course is strongly recommended for first-semester students.

Grading: GRD

UNIV 103S - Learning Strategies: Supplemental Instruction

Unit(s): 1 Discipline-specific study skills taught in the context of a designated GE course. Consent of instructor required.

Co-requisite(s): enrollment in designated GE course.

Typically Offered Fall & Spring **May Be Repeated** May be taken three times.

Grading: CNC

UNIV 150A - Freshman Year Experience: Identity and Global Challenges

Unit(s): 4 Designed specifically for first-year students at Sonoma State University, provides an interdisciplinary examination of social, political, scientific, and personal aspects of identity (fall semester) and our global connections and responsibilities (spring semester). Through writing, research, and creative assignments, students develop analysis, research, and communication skills vital to success in college.

Prerequisite(s): Course restricted to students of Freshman Year Experience student group.

GE Category: To satisfy GE Areas A3 and C3, students must take UNIV 150B the following semester. C- or better required in the second semester for A3 credit.

Typically Offered Fall Only

Grading: GRD

UNIV 150B - Freshman Year Experience: Identity and Global Challenges

Unit(s): 4 Designed specifically for first-year students at Sonoma State University, provides an interdisciplinary examination of social, political, scientific, and personal aspects of identity (fall semester) and our global connections and responsibilities (spring semester). Through writing, research, and creative assignments, students develop analysis, research, and communication skills vital to success in college.

Prerequisite(s): Prerequisite of UNIV 150A required.

GE Category: Satisfies GE Areas A3 and C3 when taken immediately after UNIV 150A. C- or better required in the second semester for A3 credit.

Typically Offered Spring Only

Grading: GRD

UNIV 200 - Fostering Academic Success

Unit(s): 1 This course builds on the lived experience and academic abilities a student has and addresses the concrete tools, information, academic skill development, and personal growth necessary for succeeding academically at Sonoma State University. Enrollment into this credit/no credit course by permission code only and cannot be repeated.

Typically Offered Fall & Spring

Grading: CNC

UNIV 237 - Career-Life Planning

Unit(s): 1-2 Offers students an opportunity to clarify their interests, values, skills, and lifestyle preferences to provide a foundation for effective career planning. Students use assessment inventories, interactive exercises, and occupational research to expand their understanding of options and plan their education and career paths, and learn job search strategies. Most appropriate for sophomores, juniors, and seniors.

Prerequisite(s): Prerequisite: Course restricted to Undeclared majors only.

Typically Offered Fall & Spring

Grading: OPT

UNIV 238 - Foundations of Leadership

Unit(s): 3 This course takes students through an exploration of leadership and students' roles and responsibilities as active citizens. It achieves this goal through an extensive examination of self, working with and understanding others, and ultimately, creating positive change in one's community. The course provides the critical elements of analytical and intellectual thought, and careful examination and reflection of core issues in the practice of leadership. These objectives will be achieved through open discussion, self-assessment, experimental exercises, and analytical observation of real-life leadership practice. Course

GE Category: Satisfies GE Area E (The Integrated Person).

Typically Offered Fall & Spring

Grading: GRD

UNIV 239 - Peer Advising and Mentoring Seminar

Unit(s): 1-2 Seminar and practicum for students holding peer advising and mentoring positions. Students will gain training and experience providing peer-to-peer advising and mentoring in various student support areas, including academic/career advising, academic/college preparedness, campus services/resources, interpersonal communication, leadership/identity development, and student engagement. Enrollment in 1 or 2 units is dependent upon practicum hours required of student leadership position.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: GRD

UNIV 295 - Community Involvement Program

Unit(s): 1-4 CIP provides undeclared students the opportunity to explore career possibilities while providing much needed community service. Students may earn credit for volunteer service in a variety of organizational settings that may help them clarify their career goals and declare a major appropriate for them. Requirements are 30 hours of community service per unit, a minimum of 2 meetings with advisor or faculty sponsor, and a final paper. A maximum of 6 units of CIP may be used toward graduation.

Typically Offered Not Recently Offered

Grading: CNC

UNIV 339 - Advanced Peer Advising and Mentoring Seminar

Unit(s): 2 Advanced practicum for students holding peer advising and mentoring positions. Students will be active members in training and sharing experience providing mentoring to first-year Peer Mentors in various areas, including academic/career advising, college preparedness, campus resources, communication, leadership/identity development, and student engagement.

Prerequisite(s): Must have completed UNIV 239.

Typically Offered Fall & Spring

Grading: GRD

Women's and Gender Studies

WGS 200 - Introduction to Women's and Gender Studies

Unit(s): 3 Explores social, political, and cultural dimensions of gender in society and culture. This course foregrounds intersectional feminist analyses: how gender is co-constituted with race, sexuality, nation, ability, economy, and other forms of social power. Students learn about the field of WGS, feminist analysis, interdisciplinary methods, and social justice.

GE Category: Satisfies GE Area E (Life Long Learning/Self Development)

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

WGS 201 - Feminist Lecture Series

Unit(s): 1-4 A weekly lecture series featuring local activists, scholars, and community organizers sharing presentations on current issues from feminist and

intersectional perspectives. Fall only. The lectures are open to the community.

Typically Offered Fall Only **May Be Repeated** May be repeated for credit.

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: CNC

WGS 255 - Introduction to Queer Studies

Unit(s): 3-4 This interdisciplinary course offers an introduction to the field of Queer Studies by analyzing the role of race, gender, sexuality, and nationalism in the social construction of modern gay, lesbian, bisexual, transgender, and queer (GLBTQ) identities. Students also learn of queer theoretical approaches to politics, culture, and society.

GE Category: Satisfies GE Area D1.

Typically Offered Fall Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

WGS 285 - Men and Masculinity

Unit(s): 3 This course examines construction of masculinity across axes of race, sexuality, class, nation, and ability. Utilizing a multidisciplinary perspective, this course addresses various theories of masculinity and masculinity's impact on peoples lives in areas such as relationships, media representation, work, culture, development, and health.

GE Category: Satisfies GE Area E (Life Long Learning/Self Development)

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

WGS 300 - Gender, Race and Representation

Unit(s): 3 This course uses feminist cultural studies, arts, and media studies methods to explore how intersections of gender and race structure contemporary society. Tracing the production of difference through culture, we foreground the study of race, gender, and representation as a method through which to understand and transform the social world. GE C1, Ethnic Studies.

Typically Offered Fall & Spring

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

WGS 302 - Queer Studies Lecture Series

Unit(s): 1 A weekly lecture series offering presentations and discussions of ethical, literary, activist, intellectual, and artistic approaches to society and culture from lesbian, gay, bisexual, transgender, and queer perspectives. The lectures are open to the community.

GE Category: Satisfies GE Area C2.

Typically Offered Spring Only **May Be Repeated** May be repeated for credit.

Grading: CNC

WGS 305 - Lesbian, Gay, Bisexual, Transgender, and Queer U.S. History

Unit(s): 3 Historical development of institutions, ideals, social and cultural transformations, and economic and political processes in the U.S. since colonization with a focus on the evolution of sexual and gender diversity.

GE Category: Satisfies GE category D3 and the state history requirement. Core course of Queer Studies Minor.

Typically Offered Spring Only

Grading: OPT

WGS 311 - Special Topics in Women and Gender Studies

Unit(s): 1-4 A variable-topics seminar focusing upon intensive study of issues related to WGS in society.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit with different topic.

Grading: OPT

WGS 325 - Youth: Gender Perspectives

Unit(s): 3-4 This course examines youth, focusing on the complex interconnections of gender, race/ethnicity, social class, sexuality, and other factors in understanding the experiences and social conditions of youth in the U.S. The class may focus on literary, historical, and/or activist topics.

Typically Offered Variable Intermittently

Teaching Mode: Face-to-Face **Grading:** OPT

WGS 335 - Reproductive Politics

Unit(s): 4 Interdisciplinary examination of theoretical, historical, political, and popular discourse about

reproduction and sexuality. Focuses on how feminist movements, cultural representations, public policies, and laws regarding reproduction have shaped gender norms and racial knowledge. Highlights the role of women, people of color, and LGBTQ people in shaping reproductive and sexual justice.

Typically Offered Variable Intermittently
Teaching Mode: Hybrid & Online **Grading:** Graded

WGS 351 - Latino Cultural Studies

Unit(s): 4 This course focuses on the theoretical debates that have shaped the field of Chicano and Latino studies. We will explore the relationship between dominant racial formations and cultural production.

Crosslisted: CALS 350
Typically Offered Spring Only
Grading: GRD

WGS 360 - Race, Gender, and Performance

Unit(s): 3 This course originates in the Theater Department.

Crosslisted: THAR 375 - Race, Gender, and Performance
Typically Offered Fall Only
Grading: OPT

WGS 365 - Women's History and Women's Activism

Unit(s): 3-4 This course will take an activist-historical perspective on the history of American women. We will study historical figures, events, and movements central to the history of feminist activism for equality and social justice. The class will address the politics of writing women into history and documenting the diversity of women's activism.

Crosslisted: HIST 345
Typically Offered Variable Intermittently
Grading: OPT

WGS 370 - Gender in Asian America

Unit(s): 3-4 This interdisciplinary course examines gender, race, class, and sexuality in Asian America. We consider how Asian American women and men fit into debates about sexism and racism in the United States - historically and contemporarily. Topics include Asian American participation in women's/civil right movements

as well as popular culture representations.

Crosslisted: AMCS 370
Typically Offered Variable Intermittently
Teaching Mode: Face-to-Face, Hybrid & Online
Grading: OPT

WGS 375 - Gender, Race, and Class

Unit(s): 3 An exploration of the intersection of gender, race, and class through a historical approach to the formations of social and political movements, the construction and policing of identity categories, and demands for equality and justice.

GE Category: Satisfies GE Area D1 (Individual and Society) Meets Ethnic Studies requirement.
Typically Offered Fall & Spring
Teaching Mode: Face-to-Face, Hybrid & Online.
Grading: OPT

WGS 385 - Transnational Feminisms

Unit(s): 3-4 Through feminist analytical lenses, examines transnational movement of goods, bodies, practices, ideologies, and culture. Explores connections between lives and cultures of people in diverse places with those in the U.S. Topics may include labor, migration, cultural production, diasporic literature and art, activism, and state violence.

Prerequisite(s): Any WGS class.
Typically Offered Fall Only
Grading: GRD

WGS 390 - Gender and Work

Unit(s): 4 This course explores intersections of gender, race, class, immigration, and nation within the U.S. labor market. We examine situations facing workers across economic sectors ranging from professionals to service sector labor. Topics may include: juggling work and family, discrimination/harassment, welfare reform, globalization, and activism/resistance to workplace challenges.

Prerequisite(s): WGS 200, WGS 255, WGS 285, WGS 300, WGS 375 or instructor consent.
Typically Offered Variable Intermittently
Grading: OPT

WGS 395 - Community Involvement Program

Unit(s): 1-4 The purpose of CIP is to encourage student involvement in the community. Units may be earned for work related to WGS.

Typically Offered Fall & Spring **May Be Repeated** May be repeated for credit.

Grading: CNC

WGS 398 - Careers in Women's and Gender Studies

Unit(s): 1 Learn about many WGS career paths, strategize about maximizing coursework, service, and internship experience to prepare for careers, and grapple with some of the gendered challenges and opportunities of the world of work. WGS majors should take alongside internship units.

Prerequisite(s): WGS 200 . **Co-requisite(s):** WGS 200.

Typically Offered Fall Only

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: GRD

WGS 399 - Student-Instructed Course

Unit(s): 1-4 An introductory or advanced course designed by a senior or graduate student and taught under the supervision of faculty sponsor(s).

Typically Offered Variable Intermittently

Grading: CNC

WGS 405 - Psychology of Gender

Unit(s): 4 Explores gender through a social psychological perspective. Topics include gender socialization, the structural function of gender stereotypes, masculinity, and gender discrimination.

Prerequisite(s): Course restricted to WGS Majors and Minors. **Crosslisted:** Course originates in the Psychology Department and is cross-listed as PSY 405.

Typically Offered Variable Intermittently

Grading: GRD

WGS 414 - Gender and Society in Early Modern Europe

Unit(s): 4 This course examines the role of gender in early modern Europe from the late Middle Ages to the end of the 18th century. Topics include religion, law, labor, social and family relations. The course also considers the impact of major historical developments such as the Renaissance,

Reformation, Scientific Revolution, industrialization, and the rise of the modern state on gender relations.

Crosslisted: HIST 414

Typically Offered Variable Intermittently

Grading: OPT

WGS 420 - Gender and Ethnicity

Unit(s): 4 A historical overview of racism and sexism as they affect women of color, focusing on issues in which racism and sexism intersect, e.g. affirmative action, abortion, sterilization, violence against women, and other issues.

Crosslisted: AMCS 420

Typically Offered Variable Intermittently

Grading: OPT

WGS 425 - Feminist Research Methodology

Unit(s): 3-4 A feminist critique of traditional methods of constructing knowledge and research practices and a discussion of gender-inclusive research strategies. Students will be given instruction in library and electronic information retrieval.

Prerequisite(s): Course restricted to WGS Majors, WGS Minor, Queer Studies Minors, or with instructor consent.

Typically Offered Fall Only

Grading: OPT

WGS 430 - Women and Crime

Unit(s): 4 An in-depth analysis of women/girls and crime in the field of criminology and criminal justice. The class examines the significance of gender in pathways to crime as well as the nature and extent of female offending, victimization, and incarceration. The course focuses on feminist theory and methodology.

Prerequisite(s): Course restricted to WGS Majors and Minors. **Crosslisted:** Course originates in CCJS, and is cross-listed as CCJS 430.

Typically Offered Spring Only

Grading: OPT

WGS 440 - Sociology of Reproduction

Unit(s): 4 An exploration of sociological perspectives on human reproduction. Topics include reproduction and gender identity, the social implications of reproductive technologies, historical and contemporary perspectives on

normal pregnancy and childbirth, the cultural context for breastfeeding, and the politics of reproductive rights and choices in the United States.

Prerequisite(s): Course restricted to WGS Majors and Minors. **Crosslisted:** SOCI 440

Typically Offered Variable Intermittently

Grading: OPT

WGS 446 - Women in American History

Unit(s): 4 **Crosslisted:** HIST 446 - Women in American History

Typically Offered Variable Intermittently

Grading: OPT

WGS 449 - Gender and Sexuality in Latin America

Unit(s): 4 This course examines changing definitions, institutions, and behaviors related to gender, sexuality, and the family in Latin America from indigenous civilizations to contemporary societies. Topics include the transition from European colonies to nation-states, and the social, economic, and political changes in Latin America.

Crosslisted: Course originates in History Department and is cross-listed as HIST 449.

Typically Offered Variable Intermittently

Grading: GRD

WGS 450 - Woman of Color Feminisms

Unit(s): 4 Taking an interdisciplinary approach centering theory, writing, and literature by women of color, we examine intersections of race, class, ethnicity, sexuality and other categories of power for U.S. women of color. Key themes include: politics of representation, stigmatization, state and interpersonal violence, economic justice, reproductive justice, queerness/sexuality, and strategies of empowerment and resistance.

Typically Offered Fall Odd Years

Teaching Mode: Face-to-Face, Hybrid & Online.

Grading: OPT

WGS 451 - Feminist Perspectives in Literature

Unit(s): 4 Feminist Perspectives is an advanced course in reading, writing, and research that will engage feminist perspectives in literature. This course is interdisciplinary in approach and is conducted in a seminar format.

Crosslisted: ENGL 451

Typically Offered Variable Intermittently **May Be Repeated** May be repeatable once for credit.

Grading: OPT

WGS 455 - Queer & Trans, Theory & Lives

Unit(s): 4 This advanced interdisciplinary course explores historical and contemporary queer and transgender theory to better engage with lesbian, gay, bisexual, and transgender culture, lives, and politics. Particular focus is given to intersecting analyses of race, class, ability, nation, and other forms of social power.

Prerequisite(s): WGS 200, WGS 255, WGS 285, WGS 300, WGS 302, or WGS 375, or instructor consent.

Typically Offered Spring Only

Teaching Mode: Face-to-Face **Grading:** OPT

WGS 474 - Foundations of Feminist Thought

Unit(s): 4 Exploration of concepts and authors in diverse feminist theory and praxis from the past three centuries. Building a base of the foundational strands and tensions, students will develop an engagement in key feminist analytical concepts, terms, and thinkers. WGS majors/minors must take either WGS 474 or WGS 475.

Prerequisite(s): WGS 200.

Typically Offered Spring Only

Grading: GRD

WGS 475 - Contemporary Feminist Theory

Unit(s): 4 Examines contemporary trends in feminist theory, with a focus on one or more major themes. Students examine how feminist theory addresses the complex relationship between gender, the production of knowledge, implementation of theory and practice, and social change/activism. WGS majors/minors must take WGS 474 or 475.

Prerequisite(s): WGS 200.

Typically Offered Fall Only

Grading: OPT

WGS 485 - Senior Seminar

Unit(s): 4 This course provides WGS students an opportunity for advanced study on a special topic each semester (determined by instructor). The seminar format allows students an intensive experience and heightened responsibility for course content. The course should be

taken during the student's senior year.

Prerequisite(s): Completion or concurrent enrollment of WGS 475 or WGS 474. WGS Majors and minors only.

Typically Offered Variable Intermittently

Grading: OPT

WGS 492 - Syllabus Design

Unit(s): 1 Students work on an individual basis with a faculty member to develop reading materials, lecture and discussion topics, and assignments appropriate to the teaching of a specific student-taught course in women's and gender studies. Student-taught courses must be approved by the coordinator, and students must follow established procedural guidelines for teaching in the women's and gender studies program. Most student teachers are required to take WGS 492 before teaching, and WGS 493 while teaching.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit.

Grading: CNC

WGS 493 - Teaching Supervision

Unit(s): 1 Students acting as teaching assistants or student-teachers enroll in this to gain professional skills development with a faculty member.

Typically Offered Variable Intermittently

Grading: CNC

WGS 495 - Special Studies

Unit(s): 1-4 Upper-division students may elect to do an independent research or action project under the

direction of a women's and gender studies faculty member.

Typically Offered Variable Intermittently **May Be Repeated** May be repeated for credit up to 8 units.

Grading: OPT

WGS 499 - Internship

Unit(s): 1-4 Supervised training and experience for advanced students in community agencies concerned with gender. Student teaching of a student-taught University course is another form of internship. At present we offer credit (and not a grade) for student teaching and off-campus projects. Internships may be paid. WGS majors and minors only.

Prerequisite(s): WGS majors and minors only.

Typically Offered Fall & Spring

Grading: CNC

WGS 500 - Seminar in Feminist Theory and Research in Social Sciences

Unit(s): 3 A survey of feminist critiques of social science theory and research in various disciplines (depending on student interest) -- anthropology, history, political science, psychology, and sociology. A survey of feminist attempts to reformulate and transform social science theory and methods, including debates and disagreements among feminist scholars. Requirements will include an individual research project and analysis.

Prerequisite(s): At least one course in a social science and at least one course that focuses on women or gender (course may be at graduate or undergraduate level).

Typically Offered Not Recently Offered

Grading: OPT

Admissions

Welcome! Thank you for your interest in Sonoma State University. You are probably attracted to Sonoma because of our success in academic programs, the intellectual accomplishments of our students and faculty, our exciting curricula, or perhaps the location and beauty of the campus. Whatever spurred your interest, we are delighted you've taken the time to glance through our catalog. Here you will learn how to apply, what documents are needed, and the admission requirements.

Application Filing Periods, 2020-2021

(Not all campuses/programs are open for admission to every term.)

Term	Applications First Accepted	Initial Filing Period
Summer Semester	February 1	February 1-28
Fall Semester	October 1	Oct 1- Nov 30
Winter Quarter	June 1	June 1-30
Spring Semester	August 1	August 1-31

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information. Similar information is conveniently available at: Cal State Apply.

Admission Procedures and Policies

Requirements for admission to Sonoma State University are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is available at Cal State Apply.

All CSU applications must be submitted online at Cal State Apply. An acknowledgment will be sent to the applicant when the online application has been submitted.

Importance of Filing Complete, Accurate, and Authentic Application Documents

Sonoma State University advises prospective students that they must supply complete and accurate information on the application for admission, residency questionnaire, and financial aid forms. Further, applicants must, *when requested*, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of registration or academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

Undergraduate Application Procedures

Prospective students applying for part-time or full-time undergraduate programs of study must submit a completed undergraduate application. The \$70 nonrefundable application fee must be paid online at

the time of application via credit card, e-check, or PayPal and may not be transferred or used to apply to another term. An alternate major may be indicated on the application. The applications of persons denied admission to an impacted campus may be re-routed to another campus at no cost, but only if the applicant is CSU eligible

Impacted Programs

The CSU designates programs as impacted when more applications from regularly eligible applicants are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus which they are offered; others are impacted only at a few campuses. Candidates for admission must meet all of the campus' specified supplementary admission criteria if applying to an impacted program or campus.

The CSU will announce during the fall filing period those campuses or programs that are impacted. Detailed information on campus and program impaction will be available at the following websites:

- [Impaction at the CSU](#)
- [Impaction Campus Info](#)

Campuses will communicate supplementary admission criteria for all impacted programs to high schools and community colleges in their service area and will disseminate this information to the public through appropriate media. This information will also be published at the CSU campus individual website and made available online at CSU.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in impacted programs at more than one campus should file an application at each campus for which they seek admission consideration.

Supplementary Admission Criteria

Each campus with impacted programs or admission categories uses supplementary admission criteria in screening applicants. Supplementary criteria may include rank-ordering of freshman applicants based on the CSU eligibility index or rank-ordering of transfer applicants based on verification of AA-T or AS-T degree, the overall transfer grade point average (GPA), completion of specified prerequisite courses, and a combination of campus-developed criteria. Applicants for freshman admission to impacted campuses or programs are required to submit scores on either the SAT or the ACT. For fall admission, applicants should take tests as early as possible, but no later than November or December of the preceding year.

The supplementary admission criteria used by the individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program. Details regarding the supplemental admission criteria are published at [Impaction at the CSU](#).

Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The University uses the

social security number to identify students and their records, including identification for purposes of financial aid eligibility and disbursement as well as the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service requires the University to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

Graduate and Post-baccalaureate Application Procedures

All graduate and post-baccalaureate applicants (e.g., Ed.D., joint Ph.D. applicants, master's degree applicants, those seeking educational credentials or certificates, and where permitted, holders of baccalaureate degrees interested in taking courses for personal or professional growth) must file a complete graduate application as described in the graduate and post-baccalaureate admission materials at Cal State Apply. Applicants seeking a second bachelor's degree should submit the undergraduate application for admission unless specifically requested to do otherwise. Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$70 nonrefundable application fee. Since applicants for post-baccalaureate programs may be limited to the choice of a single campus on each application, re-routing to alternate campuses or later changes of campus choice are not guaranteed. To be assured of initial consideration by more than one campus, it is necessary to submit separate applications (including fees) to each. Applications submitted by way of Cal State Apply are expected unless submission of an electronic application is impossible. An electronic version of the CSU graduate application is available at Cal State Apply

Reapplication for Subsequent Semesters

If you apply and are admitted to the University for a given semester, but do not register, you will forfeit your admission. Should you later wish to enroll in courses at the University, you must file a new application, pay a new application fee, and meet all of the current requirements for admission. Materials supporting an application for admission, such as transcripts and entrance examination scores, will be held for one year only and may be used during this time to meet the requirements for admission. After one year these materials will be destroyed.

Application Acknowledgment

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impaction, supplemental criteria for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

Hardship Petitions

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the campus Admission Offices regarding specific policies governing hardship admission, Admissions Appeal Process

Undergraduate Admission Requirements

Freshman Requirements

Generally, applicants will qualify for consideration for first-time freshmen if they:

1. Have graduated from high school, have earned a Certificate of General Education Development (GED) or have passed the California High School Proficiency Examination (CHSPE);
2. Have a qualifiable minimum eligibility index (see section on Eligibility Index); and
3. Have completed with grades of C- or better each of the courses in the comprehensive pattern of college preparatory subject requirements also known as the "a-g" pattern (see "Subject Requirements").

Eligibility Index

The eligibility index is the combination of the high school grade point average and scores on either the ACT or the SAT. Grade point averages (GPA) are based on grades earned in courses taken during the final three years of high school. Included in calculation of GPA are grades earned in all college preparatory "a-g" subject requirements, and bonus points for approved honors courses. Up to eight semesters of honors courses taken in the last three years of high school, including up to two approved courses taken in the tenth grade, can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

A CSU Eligibility Index (EI) can be calculated by multiplying a grade point average by 800 and adding your total score on the SAT exam (**mathematics and critical reading on the old SAT, or mathematics and Evidence-Based Reading and Writing on the new SAT**). For students who took the ACT, multiply the grade point average by 200 and add ten times the ACT composite score. Persons who are California high school graduates (or residents of California for tuition purposes) need a minimum index of 2950 using the SAT or 694 using the ACT. The Eligibility Index Table illustrates several combinations of required test scores and averages. The university has no current plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3502 (SAT) or 842 (ACT). Note: The minimum Eligibility Index requirement for admission to the Fall 2018 term will increase to 3950 using the SAT. Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section. An applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is not required to submit test scores. However, all applicants for admission are *urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission*. Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for freshman admission.

SAT Table - CA High School Graduates or Residents of CA

(A GPA of 3.00 and above qualifies for any score in SAT)

GPA	New SAT Score	GPA	New SAT Score	GPA	New SAT Score
2.99	560	2.66	830	2.33	1090
2.98	570	2.65	830	2.32	1100
2.97	580	2.64	840	2.31	1110
2.96	590	2.63	850	2.30	1110
2.95	590	2.62	860	2.29	1120
2.94	600	2.61	870	2.28	1130
2.93	610	2.60	870	2.27	1140
2.92	620	2.59	880	2.26	1150
2.91	630	2.58	890	2.25	1150
2.90	630	2.57	900	2.24	1160
2.89	640	2.56	910	2.23	1170
2.88	650	2.55	910	2.22	1180
2.87	660	2.54	920	2.21	1190
2.86	670	2.53	930	2.20	1190
2.85	670	2.52	940	2.19	1200
2.84	680	2.51	950	2.18	1210
2.83	690	2.50	950	2.17	1220
2.82	700	2.49	960	2.16	1230
2.81	710	2.48	970	2.15	1230
2.80	710	2.47	980	2.14	1240
2.79	720	2.46	990	2.13	1250

2.78	730	2.45	990	2.12	1260
2.77	740	2.44	1000	2.11	1270
2.76	750	2.43	1010	2.10	1270
2.75	750	2.42	1020	2.09	1280
2.74	760	2.41	1030	2.08	1290
2.73	770	2.40	1030	2.07	1300
2.72	780	2.39	1040	2.06	1310
2.71	790	2.38	1050	2.05	1310
2.70	790	2.37	1060	2.04	1320
2.69	800	2.36	1070	2.03	1330
2.68	810	2.35	1070	2.02	1340
2.67	820	2.34	1080	2.01	1350
				2.00	1350

GPA below 2.0 does not qualify for admission

*** For admissions purposes, the CSU uses only the new SAT scores for mathematics and evidence based on reading and writing.**

SAT Table - Non-Resident or Non-Graduates of CA

(A GPA of 3.61 and above qualifies for any score in SAT)

GPA	New SAT Score	GPA	New SAT Score	GPA	New SAT Score
3.60	690	3.21	1010	2.82	1320
3.59	700	3.20	1020	2.81	1330
3.58	710	3.19	1020	2.80	1330
3.57	720	3.18	1030	2.79	1340
3.56	730	3.17	1040	2.78	1350
3.55	730	3.16	1050	2.77	1360

3.54	740	3.15	1050	2.76	1370
3.53	750	3.14	1060	2.75	1370
3.52	760	3.13	1070	2.74	1380
3.51	770	3.12	1080	2.73	1390
3.50	780	3.11	1090	2.72	1400
3.49	780	3.10	1090	2.71	1410
3.48	790	3.09	1100	2.70	1410
3.47	800	3.08	1110	2.69	1420
3.46	810	3.07	1120	2.68	1430
3.45	810	3.06	1130	2.67	1440
3.44	820	3.05	1130	2.66	1450
3.43	830	3.04	1140	2.65	1450
3.42	840	3.03	1150	2.64	1460
3.41	850	3.02	1160	2.63	1470
3.40	860	3.01	1170	2.62	1480
3.39	860	3.00	1170	2.61	1490
3.38	870	2.99	1180	2.60	1490
3.37	880	2.98	1190	2.59	1500
3.36	890	2.97	1200	2.58	1510
3.35	900	2.96	1210	2.57	1520
3.34	900	2.95	1210	2.56	1530
3.33	910	2.94	1220	2.55	1530
3.32	920	2.93	1230	2.54	1540
3.31	930	2.92	1240	2.53	1550

3.30	930	2.91	1250	2.52	1560
3.29	940	2.90	1250	2.51	1570
3.28	950	2.89	1260	2.50	1570
3.27	960	2.88	1270	2.49	1580
3.26	970	2.87	1280	2.48	1590
3.25	970	2.86	1290	2.47	1600
3.24	980	2.85	1290		
3.23	990	2.84	1300		
3.22	1000	2.83	1310		

GPA below 2.47 does not qualify for admission

***For admissions purposes, the CSU uses only the new SAT scores for mathematics and evidence based reading and writing.**

ACT Table - CA High School Graduates or Residents of CA

(A GPA of 3.00 and above qualifies for any score in ACT)

GPA	ACT Score	GPA	ACT Score	GPA	ACT Score
2.99	10	2.66	17	2.33	23
2.98	10	2.65	17	2.32	23
2.97	10	2.64	17	2.31	24
2.96	11	2.63	17	2.30	24
2.95	11	2.62	17	2.29	24
2.94	11	2.61	18	2.28	24
2.93	11	2.60	18	2.27	24
2.92	11	2.59	18	2.26	25
2.91	12	2.58	18	2.25	25
2.90	12	2.57	18	2.24	25

2.89	12	2.56	19	2.23	25
2.88	12	2.55	19	2.22	25
2.87	12	2.54	19	2.21	26
2.86	13	2.53	19	2.20	26
2.85	13	2.52	19	2.19	26
2.84	13	2.51	20	2.18	26
2.83	13	2.50	20	2.17	26
2.82	13	2.49	20	2.16	27
2.81	14	2.48	20	2.15	27
2.80	14	2.47	20	2.14	27
2.79	14	2.46	21	2.13	27
2.78	14	2.45	21	2.12	27
2.77	14	2.44	21	2.11	28
2.76	15	2.43	21	2.10	28
2.75	15	2.42	21	2.09	28
2.74	15	2.41	22	2.08	28
2.73	15	2.40	22	2.07	28
2.72	15	2.39	22	2.06	29
2.71	16	2.38	22	2.05	29
2.70	16	2.37	22	2.04	29
2.69	16	2.36	23	2.03	29
2.68	16	2.35	23	2.02	29
2.67	16	2.34	23	2.01	30
				2.00	30

GPA below 2.0 does not qualify for admission

ACT Table - Non-Resident or Non-Graduates of CA

(A GPA of 3.61 and above qualifies for any score in ACT)

GPA	ACT SCORE	GPA	ACT SCORE	GPA	ACT SCORE
3.60	13	3.21	20	2.82	28
3.59	13	3.20	21	2.81	28
3.58	13	3.19	21	2.80	29
3.57	13	3.18	21	2.79	29
3.56	13	3.17	21	2.78	29
3.55	14	3.16	21	2.77	29
3.54	14	3.15	22	2.76	29
3.53	14	3.14	22	2.75	30
3.52	14	3.13	22	2.74	30
3.51	14	3.12	22	2.73	30
3.50	15	3.11	22	2.72	30
3.4926	15	3.10	23	2.71	30
3.48	15	3.09	23	2.70	31
3.47	15	3.08	23	2.69	31
3.46	15	3.07	23	2.68	31
3.45	16	3.06	23	2.67	31
3.44	16	3.05	24	2.66	31
3.43	16	3.04	24	2.65	32
3.42	16	3.03	24	2.64	32
3.41	16	3.02	24	2.63	32

3.40	17	3.01	24	2.62	32
3.39	17	3.00	25	2.61	32
3.38	17	2.99	25	2.60	33
3.37	17	2.98	25	2.59	33
3.36	17	2.97	25	2.58	33
3.35	18	2.96	25	2.57	33
3.34	18	2.95	26	2.56	33
3.33	18	2.94	26	2.55	34
3.32	18	2.93	26	2.54	34
3.31	18	2.92	26	2.53	34
3.30	19	2.91	26	2.52	34
3.29	19	2.90	27	2.51	34
3.28	19	2.89	27	2.50	35
3.27	19	2.88	27	2.49	35
3.26	19	2.87	27	2.48	35
3.25	20	2.86	27	2.47	35
3.24	20	2.85	28	2.46	35
3.23	20	2.84	28	2.45	36
3.22	20	2.83	28		

GPA below 2.45 does not qualify for admission

Note: The minimum Eligibility Index requirement for admission to the Fall 2018 term will increase to 2950 using the SAT.

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3570 (SAT or 842 (ACT)). Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section. an applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is

not required to submit test scores. However, all applicants for admission are urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission. Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for freshman admission.

Provisional Admission

Sonoma State may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned coursework for the senior year. The campus will monitor the final terms of study to ensure that admitted students complete their secondary school studies satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all coursework has been satisfactorily completed. Official high school transcripts must be received prior to the deadline set by the university. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts and cancel any university registration for students who are found to be ineligible after the final transcript has been evaluated. Applicants will qualify for regular (non-provisional) admission when the university verifies that they have graduated and received a high school diploma, have earned a qualifiable minimum eligibility index, have completed the comprehensive pattern of college preparatory "a-g" subjects and, if applying to an impacted program or campus, have met all supplementary criteria.

The CSU uses only the ACT composite score, the mathematics and Evidence-Based Reading and Writing scores on the new SAT in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.

Subject Requirements

The CSU requires that first-time freshman applicants complete, with grades of C or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- 2 years of social science, including 1 year of U.S. history, or U.S. history and government;
- 4 years of English;
- 3 years of math (algebra, geometry, and intermediate algebra; four years recommended);
- 2 years of laboratory science (1 year biological and 1 year physical, both must have laboratory instruction);
- 2 years in the same foreign language (subject to waiver for applicants demonstrating equivalent competence);
- 1 year of visual and performing arts within the same discipline (art, dance, drama/ theater, or music); and
- 1 year of electives: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts or other courses approved and included on the UC/CSU "a-g" list.

The California Promise

The California Promise Program enables a specific number of CSU campuses to establish pledge programs for entering first-time students who are both interested and able to complete baccalaureate degrees in 4 years. All campuses have also established programs for students with Associate Degrees for Transfer from any California Community College to complete their baccalaureate degrees in 2-years. The program is limited to students who are residents of California.

Students who commit to enter either the 4-year or 2-year pledge will be given a priority registration appointment for each state-supported enrollment period and will be provided with routine and thorough academic advisement. In order to remain in the program, students must meet with their advisors as prescribed, develop an enrollment plan, and complete 30 semester units or the quarter equivalent within each academic year, including summer. Participating campuses may stipulate other requirements as well. Interested students entering the CSU should contact campus offices or visit The California Promise Program

High School Students

High school students may be considered for enrollment on a space available basis in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given specific program and does not constitute a right to continued enrollment.

Transfer Policies of CSU Campuses

Most commonly, college level credits earned from an institution of higher education accredited by a regional accrediting agency are accepted for transfer to campuses of the CSU; however, authority for decisions regarding the transfer of undergraduate credits is delegated to each CSU campus.

California Community Colleges and other authorized certifying institutions can certify up to 39 semester (58.5 quarter) units of General Education-Breadth (GE-Breadth) or 37 semester (55.5 quarter) units of the Intersegmental General Education Transfer Curriculum (IGETC) for transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer.

"Certification" is the official notification from a California Community College or authorized institution that a transfer student has completed courses fulfilling lower-division general education requirements. The CSU GE-Breadth and the Intersegmental General Education Transfer Curriculum (IGETC) certification course lists for particular community colleges can be accessed at Assist.

CSU campuses may enter into course-to-course or program-to-program articulation agreements with other CSU campuses and any or all of the California community colleges, and other regionally accredited institutions. Established CSU and CCC articulations may be found on Assist. Students may be permitted to transfer no more than 70 semester (105 quarter) units to a CSU campus from an institution which does not offer bachelor's degrees or their equivalents, for example, community colleges. Given the university's 30-semester (45-quarter) unit residency requirement, no more than a total of 90 semester (135-quarter) units may be transferred into the university from all sources.

Transfer Requirements

Applicants who have completed fewer than 60 transferable semester college units (fewer than 90 quarter units) are considered lower-division transfer students. Applicants who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper-division transfer students. Applicants who complete college units during high school or through the summer immediately following high school graduation are considered first-time freshmen and must meet the CSU minimum eligibility requirements for first-time freshmen admission. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses and accepted as such by the campus to which the applicant seeks admission.

Lower-Division Transfer Admission Requirements

Due to increased enrollment demands, most CSU campuses do not admit lower-division transfer applicants. Please visit our website to find out if Sonoma State is taking applications from lower division transfer students: [Application Deadlines](#).

An applicant who completes fewer than 60 semester (90 quarter) units of college credit is considered a lower-division transfer student. Due to enrollment pressures, most CSU campuses do not admit lower-division transfers so that more upper-division transfers can be accommodated.

Having fewer than 60 semester (90 quarter) units at the point of transfer may affect eligibility for registration priority at CSU campuses and may affect the student's financial aid status.

California resident transfer applicants with fewer than 60 semester or 90 quarter units must:

- Have a cumulative grade point average of 2.0 (C) or better in all transferable units attempted;
- Have completed, with a grade of C- or better, a course in written communication and a course in mathematics or quantitative reasoning at a level satisfying CSU General Education Breadth Area A2 and B4 requirements, respectively;
- Be in good standing at the last institution attended; and
- Meet any one of the following eligibility standards.

Transfer Based on Current Admission Criteria

The applicant meets the freshman admission requirements in effect for the term for which the application is filed; - OR -

Transfer based on High School Eligibility

The applicant was eligible as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation; - OR -

Transfer Based on Making Up Missing Subjects

The applicant had a qualifiable eligibility index at the time of high school graduation (combination of GPA and test scores if needed), has made up any missing college preparatory subject requirements with a grade of C- or better, and has been in continuous attendance in an accredited college since high school graduation.

One baccalaureate-level course of at least 3 semester (4 quarter) units is usually considered equivalent to one year of high school study.

Note: Some campuses may require lower-division transfer students to complete specific college coursework, for example the four basic skill courses, as part of their admission criteria.

Upper-Division Transfer Requirements

Generally, applicants will qualify for consideration for upper-division transfer admission if they meet all of the following requirements

1. Cumulative grade point average of at least 2.0 (C or better) in all transferable units attempted;
2. In good standing at the last college or university attended; and
3. Completed at least sixty (60) transferable semester (90 quarter) units of college level coursework with a grade point average of 2.0 or higher and a grade C- or better in each course used to meet the CSU general education requirements in written communication, oral communication, critical thinking, and quantitative reasoning, e.g. mathematics.

The 60 units must include at least 30 units of courses, which meet CSU general education requirement including all of the general education requirements in communication in the English language (both oral and written) and critical thinking and the requirement in mathematics/quantitative reasoning (usually 3 semester units) OR the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

Due to enrollment constraints, priority is given to "local service area" applicants. The local service area for SSU is comprised of six counties: Sonoma, Napa, Lake, Marin, Mendocino, and Solano.

Associate Degrees for Transfer (AA-T or AS-T) / Student Transfer Achievement Reform (STAR) Act (SB 1440)

The Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T) degrees offered at the California Community Colleges (CCC) are designed to provide a California community college student a clear transfer preparation and admission pathway to the CSU degree majors.

California Community College students who earn an associate degree (AA-T or AS-T) are guaranteed admission with junior standing to a CSU and given priority admission over other transfer applicants when applying to a local CSU campus, or non-impacted CSU program. AA-T or AS-T admission applicants are given priority consideration to an impacted campus/program or to campuses/programs that have been deemed similar to the degree completed at the community college. Students who have completed an AA-T/AS-T in a program deemed similar to a CSU major are able to complete remaining requirements for graduation within 60 semester (90 quarter) units. It is the responsibility of the student who has earned an AA-S/AS-T to provide documentation of the degree to the CSU campus.

Provisional Admission

Sonoma State may provisionally or conditionally admit transfer applicants based on their academic preparation and courses planned for completion. The campus will monitor the final terms to ensure that those admitted complete all required courses satisfactorily. All accepted applicants are required to submit an official transcript of all college-level work completed. Campuses may rescind admission for

any student who is found to be ineligible after the final transcript has been evaluated. In no case may such documents be received and validated by the university any later than a student's registration for their second term of CSU enrollment.

Test Requirements

Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit are strongly encouraged to submit scores, unless exempt (see "Eligibility Index"), from either the ACT or the SAT of the College Board. Persons who apply to an impacted program may be required to submit test scores and should take the test no later than November or December. Test scores also are used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from school or college counselors or from a CSU campus testing office.

Students may contact:

The College Board (SAT I)	ACT Registration Unit
Registration Unit, Box 6200	P.O. Box 414
Princeton, New Jersey	Iowa City, Iowa
08541-6200	52240
(609) 771-7588	(319) 337-1270
www.collegeboard.org	www.act.org

English Language Requirement

All undergraduate applicants whose native language is not English and who have not attended schools in the United States at the secondary level or above for at least three years full time where English is the principal language of instruction must present a score of 61 iBT or above on the Test of English as a Foreign Language (TOEFL.) Some majors and some campuses may require a score higher than 61. A few campuses may also use alternative methods of assessing English fluency: Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP). Each campus will post the tests it accepts on its website and will notify students after they apply about the tests it accepts and when to submit scores.

CSU minimum TOEFL standards are:

	Internet	Paper
Undergraduate	61	500
Graduate	80	550

Assessment of Academic Preparation and Placement

The CSU requires that all entering freshmen students be evaluated in terms of their preparation to complete first-year courses in written communication and mathematics/quantitative reasoning. This evaluation will utilize the broadest set of multiple measures including high school grades as well as performance scores on standardized exams such as the ACT or SAT. This evaluation of academic

readiness is not a condition for admission to the CSU, but it is an important step for determining the best course placement for entering students.

Successful completion of general education (GE) written communication and mathematics/quantitative reasoning courses in the first year of CSU enrollment establishes a foundation for continuous learning. Unless the requirements have been completed, freshmen shall enroll in GE written communication and mathematics/quantitative reasoning courses appropriate to each student's major and skill level, as demonstrated by applicable system wide standards utilized in the review of academic preparation.

Students whose skill assessments indicate academic support will be needed for successful completion of GE in written communication or mathematics/quantitative courses shall enroll in appropriate college-level, baccalaureate credit-bearing courses that strengthen skills development to facilitate achieving the appropriate general education student learning outcomes. Supportive course models may include, among others, co-requisite approaches, supplemental instruction or "stretch" formats that extend a course beyond one academic term. In these approaches, instructional content considered pre-baccalaureate may carry a maximum of one unit and shall be offered concurrently with a college-level, baccalaureate credit-bearing course.

First Time Freshman: Placement Requirements

Placement Measures for First-Year GE Written Communication and Mathematics/Quantitative Reasoning Courses

Freshman skills assessment and placement for general education written communication and mathematics/quantitative reasoning shall be based on system wide skills assessment standards that include the Early Assessment Program/ Smarter Balanced Achievement Levels, ACT scores and/or SAT scores, high school coursework, high school GPA and math GPA.

Skills assessments are not a condition for admission to the CSU; they are a condition of enrollment.

These skills assessments are designed to inform entering freshmen of placement in appropriate baccalaureate-level courses based on their skills and needs.

First-time freshmen in need of support as determined by the skills assessment will be placed in supported instruction. Supported instruction is designed to assist students in credit bearing courses. Students may also be required to participate in the Early Start Program.

The Early Start Program gives students the opportunity to earn college credit in written communication and mathematics/ quantitative reasoning the summer before their first term.

Assessments and Placement for GE Written Communications Has Fulfilled the GE Subarea A2 English Requirement

The student has met the requirement via completion of one of the following:

Advanced Placement (AP) Test

- 3 or above: AP Language and Composition
- 3 or above: AP Composition and Literature

College Transfer Coursework

- Completed approved college course that satisfies CSU GE Area A2 (written communication) with a grade of C- or better

Placement in a GE Subarea A2 English Course

The student has met examination standards and/or multiple measures- informed standards via one of the criteria below:

English CAASPP/EAP Test:

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better

*English New SAT Test:

- 550 or above
- 510 – 540 and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better English

ACT Test:

- 22 or higher
- 19-21 and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better

High School Courses and GPA:

- Weighted GPA 3.3 or above
- GPA 3.0 or above and completed approved 12 grade year-long English course (AP, CSU ERWC, Weighted Honors English)
- GPA 3.0 or above and completed Honors English
- GPA 3.0 or above and 5 or more years of high school English

Placement in a Supported GE Subarea A2 English Course

The student has met examination standards and/or multiple measures- informed standards via one of the criteria below:

*English New SAT Test:

- 510 – 540 and 4 or more years of high school English ACT Test:
- 19-21 and 4 or more years of high school English

High School Courses and GPA:

- Weighted GPA 3.0 or above and 4 or more years of high school English
- *SAT score conversion for scores prior to March 2016 (old SAT):
<https://collegereadiness.collegeboard.org/sat-scoring-beforemarch-2016>

Placement in a Supported GE Subarea A2 English Course and Participation in the Early Start Program Required

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Visit the Early Start Page to learn about the Early Start Program.

Assessments and Placement for GE Mathematics/Quantitative Reasoning: Non-Math Intensive Majors (Algebra and Statistics Disciplines, Non-STEM and Undecided Majors) Has Fulfilled the GE Subarea B4 Math/Quantitative Reasoning Requirement

The student has met the requirement via completion of one of the following:

Advanced Placement (AP) Test:

- 3 or above: Calculus AB
- 3 or above on AP Calculus BC
- 3 or above on AP Statistics
- 3 or above on AP Computer Science Principles

International Baccalaureate (IB) Test:

- 4 or above on Math Higher Level (HL)

College Level Examination Program (CLEP):

- 50 or above on: Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus or Trigonometry

College Transfer Coursework:

- Completed math/quantitative reasoning college course with a C- or better that satisfies CSU GE Area B4

Placement in a GE Subarea B4 Math/Quantitative Reasoning Requirement

The student has met examination standards and/or multiple measures-informed standards via one of the following criteria:

CAASPP/EAP Math Exam:

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long math course beyond
- Algebra 2 with a C- or better
- Standard Met and 4 or more years of high school math or quantitative reasoning

*New SAT Math Test:

- 570 or above
- 550 or above on Subject Test in Math Level 1 or 2

- 520 – 560 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

ACT Math Test:

- 23 or above
- 20-22 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better
- *SAT score conversion for scores prior to March 2016 (old SAT):
<https://collegereadiness.collegeboard.org/sat-scoring-beforemarch-2016>

High School Courses and GPA:

- Weighted math GPA 3.0 or above and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better
- Weighted math GPA 3.0 or above and 5 or more years of high school math or quantitative reasoning
- Weighted high school GPA 3.7 or above
- Weighted high school GPA 3.5 or above and 4 or more years of high school math or quantitative reasoning

Placement in a Supported GE Subarea B4 Math/ Quantitative Reasoning Requirement

The student has met examination standards and/or multiple measures- informed standards via one of the criteria below:

High School GPA:

- Weighted math GPA 3.3 or above
- Weighted high school GPA 3.0 or above

Placement in a Supported GE Subarea B4 Math/ Quantitative Reasoning Requirement and Participation in the Early Start Program Required

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Visit the Early Start page to learn about the Early Start Program.

Assessments and Placement for GE Mathematics/Quantitative Reasoning:

Pre- STEM/STEM and Other Math- Intensive Majors

Has Fulfilled the GE Subarea B4 Math/Quantitative Reasoning Requirement

The student has met the requirement via completion of one of the following:

Advanced Placement (AP) Test:

- 3 or above on AP Calculus AB
- 3 or above on AP Calculus BC
- 3 or above on AP Statistics

- 3 or above on AP Computer Science Principles

International Baccalaureate (IB) Test:

- 4 or above on Math Higher Level (HL)

College Level Examination Program (CLEP):

- 50 or above on: Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus or Trigonometry

College Transfer Coursework:

- Completed math/quantitative reasoning college course with a C- or better that satisfies CSU GE Area B4

Placement in a GE Subarea B4 Math/Quantitative Reasoning Requirement

The student has met examination standards and/or multiple measures- informed standards via one of the criteria below:

CAASPP/EAP Math Exam:

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

*New SAT Math Test:

- 570 or above
- 550 or above on Subject Test in Math Level 1 or 2
- 520 – 560 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

ACT Math Test:

- 23 or above
- 20-22 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

High School Courses and GPA:

- Weighted math GPA 3.5 or above and completed 12th grade approved year-long math course beyond Algebra 2 with a grade of C- or better
- Weighted math GPA 3.5 or above and 5 or more years of high school math or quantitative reasoning
- Weighted high school GPA 3.7 or above
- *SAT score conversion for scores prior to March 2016 (old SAT):

<https://collegereadiness.collegeboard.org/sat-scoring-beforemarch-2016>

Placement in a Supported GE Subarea B4 Math/ Quantitative Reasoning Requirement

The student has met examination standards and/or multiple measures- informed standards via the criteria below:

High School Math GPA:

- Weighted math GPA 3.3 or above

Placement in a Supported GE Subarea B4 Math/ Quantitative Reasoning Requirement and Participation in the Early Start Program Required

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Visit the Early Start page to learn about the Early Start Program.

The goal of Early Start Program (ESP) is to:

- Better prepare students in written composition and mathematics/quantitative reasoning before the fall term of freshman year, improving students' chances of successful completion of a baccalaureate degree.
- If required to participate in ESP, as determined by multiple measures, students will begin in the summer before the start of the freshman year
- For general information about ESP including fees and course listings, visit csstudentsuccess.org/earlystart. Students are encouraged to visit the campus website for ESP information once admitted.
- Eligible financial aid applicants with an Estimated Family Contribution (EFC) of \$5,000 or less will be eligible for waiver of the per unit ESP fee. For more information on assessments, placements and the Early Start Program, please visit www.csstudentsuccess.org

Adult Students

As an alternative to regular admission criteria, an applicant who is 25 years of age or older may be considered for admission as an adult student if he or she meets all of the following conditions:

1. Possesses a high school diploma (or has established equivalence through either the General Educational Development or the California High School Proficiency Examination);
2. Has not been enrolled in college as a full-time student for more than one term during the past five years; and
3. If there has been any college attendance in the last five years, has earned a C average or better in all college work attempted.

Consideration will be based upon a judgment as to whether the applicant is as likely to succeed as a regularly admitted freshman or transfer student and will include an assessment of basic skills in the English language and mathematical computation.

You must send a formal letter of appeal and all transcripts from high school and colleges. An admissions committee will review each appeal for adult admission. Admission is determined on a case-by-case basis. Recent course work in math and English to demonstrate college-level proficiency is essential for admission.

Graduate and Post-baccalaureate Admission Requirements

Admission Requirements

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

- General Requirements - The minimum requirements for admission to graduate and post baccalaureate studies at a California State University campus are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the *California Code of Regulations*.
 - Specifically, a student shall at the time of enrollment: (1) have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities; (2) be in good academic standing at the last college or university attended; (3) have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and (4) satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.
- Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:
 - **Graduate Classified** - To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or
 - **Graduate Conditionally Classified** - Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, deficiencies may be remedied by additional preparation; or
 - **Post-baccalaureate Classified, e.g. admission to an education credential program** - Persons wishing to enroll in a credential or certificate program, will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or
 - **Post-baccalaureate Unclassified** - To enroll in undergraduate courses as preparation for advanced degree programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as post-baccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program (Most CSU campuses do not offer admission to unclassified post-baccalaureate students).

(These and other CSU admission requirements are subject to change as policies are revised and laws are amended. The CSU website and the CSU admissions portal are good sources of the most up-to-date information.)

Graduate, Post-baccalaureate English Language Requirement

All graduate and post-baccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a qualifying minimum score 80 iBT on the Test of English as a Foreign Language (TOEFL). Several CSU campuses may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP). Minimum score requirements may be found on the website for international student admissions.

Returning Students

If you were previously enrolled as a post baccalaureate student at Sonoma State University, but have not registered for two or more semesters, you must file an application for readmission online at Cal State Apply and submit the application to Sonoma State University. If you missed only one semester, you need not reapply. If coursework was attempted at another college or university, one official transcript reflecting this work must be filed with the Office of Admissions and Records. Previously enrolled students who are reapplying are subject to the same application dates and fees as new applicants. If you attended Sonoma State as a visitor, concurrent enrollee, or exchange student, and you wish to continue your enrollment at Sonoma, you must file a new application for admission at Cal State Apply and submit the application to Sonoma State University.

Information for International Students

Students now entering or enrolled in higher education will be the leaders of industry, commerce, government, education, and the arts in the 21st Century. The global marketplace, affordable air travel, extraordinary levels of human migration, and the rise of transnational communications systems dictate that the valuable university graduates will be those who are prepared to live and work in an international setting in a rapidly changing world.

International students bring to our campus and to its surrounding communities new perspectives and invaluable experiences to share with California students. At the same time, they take home with them, at the end of their studies, a deep understanding of America and its people. Sonoma State University has welcomed students from more than 50 countries, representing virtually every continent and island area in the world. These students come here to experience a traditional American liberal arts education, but in a non-traditional academic setting, where teachers are guides to learning. They want to live in a beautiful and safe environment, and they also want a challenging, intellectually stimulating academic program taught by a distinguished faculty.

International (Foreign) Student Admission Requirements

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. temporary visas as students, exchange visitors or in other non-immigrant classifications.

The CSU uses separate requirements and application filing dates in the admission of international students. Verification of English proficiency (see the section on the English Language Requirement above for undergraduate applicants), financial resources, and academic performance are all important considerations for admission. Academic records from foreign institutions must be on file by the close of the application period for the semester for which entry is desired and, if not in English, must be accompanied by certified English translations.

Sonoma State University welcomes applications from qualified international students. The application and admissions process for international students is distinct from the process for domestic students. Please read the following information carefully.

Sonoma State University International Student Application forms and information are available online at Admissions. The application for university admission can be found at Cal State Apply. A printable application is available upon request. If you are unable to access this information, please contact us:

Email Erica Longin at erica.longin@sonoma.edu Or contact us by mail at:

Sonoma State University
Office of Admissions
Salazar hall 2030
1801 East Cotati Avenue
Rohnert Park, California 94928
United States of America

SSU admits international students twice a year for entry into either the fall or spring semesters. Application periods are as follows:

For fall semester entry

October 1 through April 30

For spring semester entry

August 1 through September 30

Academic Qualification

Undergraduate applicants must provide evidence of graduation from an appropriate secondary educational institution or successful study at a recognized institution of higher education with a minimum cumulative grade point average of at least 2.00 on a 4.00 scale or the equivalent. Admissions to some fields of study may be competitive.

Graduate applicants must meet the standards applicable to the University and to the SSU graduate program as indicated elsewhere in this catalog.

Housing

International students who file complete applications (including transcripts and financial affidavits) prior to the end dates of the respective application periods should be able to obtain on-campus housing.

International Student Services and Activities at SSU

The Center for International Education (CIE) provides essential support for international students to ensure that they make a quick and successful adaptation to university studies and to the student community at SSU. CIE provides administrative support, cultural adjustment support, academic advising, personal counseling, and assistance with all issues relating to university life. In addition, CIE is the home base for the International Education Exchange Council, one of the largest and most active student clubs on the campus, which offers on-campus and off-campus activities, trips, and community volunteer opportunities.

International Student Fees and Expenses (Academic Year)

To receive an F-1 or J-1 visa, applicant must provide evidence that they have sufficient funds to cover their first year of study in the U.S. Sonoma State University offers international students an outstanding education at a very attractive price; however, it does not, in general, offer them financial assistance. For this reason, applicants must describe their plans for financing their studies in some detail. Instructions on financial certifications are in the application packet. Part-time employment on campus is permitted, but work opportunities are very limited. Having a good financial plan is, therefore, extremely important. Fees and tuition amounts are subject to change.

Estimates of Annual Undergraduate and Graduate Costs at Sonoma State University

These amounts are estimates and are subject to change without notice. Actual expenses may vary.

Tuition and fees are subject to change by the Trustees of the CSU without prior notice and are usually increased each academic year.

Expense	Undergraduate (12 units)	Graduate (8 units)
California State Tuition Fees*	\$7,388	\$8,654***
Non-Resident Tuition (\$372 per unit)	\$8,928	\$5,952
Books and Materials	\$1,788	\$1,788
Housing/Food (full meal plan:	\$15,000	\$15,000
Personal Expenses	\$3,500	\$3,500
Health Insurance (annual fee 2017-2018)**	\$1,687	\$1,687
TOTAL:	\$30,291	\$36,581

* The California State University makes every effort to keep student costs to a minimum. Fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU must reserve the right, even after initial fee payments are made, to increase or modify

any listed fees, without notice, until the date when instruction for a particular semester has begun. All CSU listed fees should be regarded as estimates that are subject to change upon approval by the Board of Trustees.

*** Health Insurance typically increases annually so this estimate is possibly a little low*

**** For M.B.A. only - \$254 per unit professional fee (additional \$4,448 per year)*

Please note that international travel and extraordinary personal expenses are not included in the cost estimates above.

Family members: Students who will be accompanied by a spouse and/or children will need to submit additional documentation of financial support (\$5,000 for spouse and \$4,000 for each child).

If you will be a graduate student in either the EMBA, MSCES, Modern Languages Program, Organizational Development, or Psychology you will pay through our Extended and International Education Division and the tuition/fee structure is different. Housing, food, personal expense, and health insurance estimates remain the same.

Other Applicants

Intrasystem and Intersystem Enrollment Programs

Fully matriculated students enrolled at any CSU campus have access to courses at other CSU campuses on a space available basis unless those campuses/programs are impacted. This access is offered without students being required to be admitted formally to the host campus and in most cases without paying additional fees. Students should consult their home campus academic advisors to determine how such courses may apply to their specific degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California Community Colleges. Additional information about these programs is available from the Registrar's Office.

CSU Fully Online Courses – Matriculated students in good standing may request enrollment in one course per term, offered by a CSU host campus. Enrollment requests will be granted based on available space, as well as completion of any stated pre-requisites. Credit earned at the host campus is electronically reported to the student's home campus to be included on the student's transcript at the home campus.

CSU Visitor Enrollment– Matriculated students in good standing enrolled at one CSU campus may enroll at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

Intersystem Cross Enrollment– matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

Educational Opportunity Program

The Educational Opportunity Program (EOP) serves as a primary vehicle for the CSU in increasing the access, academic excellence and retention of California's educationally and economically disadvantaged

students, thus working in the spirit and abiding by the legislative intent that originally established the program in 1969.

Applying to EOP

The Educational Opportunity Program at Sonoma State requires completion of the CSU application, including the completion of the supplemental EOP application, the submission of two electronic recommendation forms and completing of the Free Application for Federal Student Aid (FAFSA) or the CA DREAM Act by the March 2 deadline.

The application is available at Cal State Apply

The EOP application is included in the Cal State application. When filling out personal information an applicant will need to select "Yes" in response to the question "Do you wish to apply through the Educational Opportunity Program (EOP)?" This will generate the EOP application questions. Each question must be answered. The application also requires two electronic letters of recommendation. An applicant can send the electronic recommendation request form to a recommender by selecting the Supporting Information tile on Cal State Apply and filling out the requested information.

EOP Application Checklist:

- Start the CSU application at Cal State Apply.
- On the CSU application, check "yes" to the question, "Do you wish to apply through the Educational Opportunity Program?"
- Complete and submit the CSU Application online
- Follow up to confirm your electronic EOP recommendation letters have been submitted.
- SSU's EOP Application Deadlines:
 - Priority deadline for First Time Freshmen is December 15. The application including recommendation forms must be completed by then.
 - Regular deadline for First Time Freshmen is January 15 and EOP letters of recommendation are due January 30.
 - Remember to complete separately the financial aid application either Free Application for Free Student Aid (FAFSA) or the CA DREAM Act by March 2, available at www.fafsa.ed.gov or <https://dream.csac.ca.gov/>.

For additional information about the Educational Opportunity Program, please contact our EOP Office at (707) 664-2427 or applyeop@sonoma.edu.

Veterans

If you are a veteran of the United States military service and a California resident, you may possibly be granted admission even if you do not meet the University's regular admissions requirements. If you wish to request consideration under this provision, follow regular application procedures, and send a letter of appeal to the Office of Admissions.

Applicants Not Regularly Eligible

Applicants not admissible under one of the above provisions may enroll in extension courses, at a community college, or at another appropriate institution to meet eligibility requirements. Denied applicants may choose to petition for special admission consideration. Only under the most unusual circumstances and only by special action will such applicants be admitted to Sonoma State University.

CSU Immunization Requirements – Must be Satisfied Prior to Enrollment

See Required Immunizations for details of these pre-enrollment requirements.

Entering Students are required to present documentation showing that they have received the following immunizations well in advance of the start of their first semester of classes at SSU:

Measles and Rubella (MMR)

All new and readmitted students must provide proof of full immunization against measles and rubella prior to enrollment.

Hepatitis B

All new students who will be 18 years of age or younger at the start of their first term at a CSU campus must provide proof of full immunization against Hepatitis B before enrolling. Full immunization against Hepatitis B consists of three timed doses of vaccine over a minimum 4 to 6 months' period. If you need further details or have special circumstances, please consult [name of office or campus personnel].

Meningococcal Disease Information:

Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination.

The above are not admission requirements, but are required of students as conditions of enrollment in CSU.

Those unable to locate proof of previous immunization may send the results of blood tests confirming that they are immune to the diseases prevented by the required vaccines.

While prospective students can be accepted for admission to SSU before they have sent the required proof of immunization, **once they have been accepted, students who wish to attend SSU must send SSU this proof at least 5-6 weeks before school starts.** Those who don't meet compliance deadlines will incur late penalties and will be prohibited from registering for future classes until the necessary documentation has been received.

The SSU Student Health Center can provide MMR and Hepatitis B immunizations or blood tests to check for immunity for a nominal fee once an entering student has paid his/her Enrollment Reservation Deposit to SSU.

Individual immunization records or copies of blood tests documenting immunity, labeled with the entering student's full name and birth date should be sent to:

Sonoma State University
Office of Admissions and Records
ATTN: Immunization Requirements
1801 E. Cotati Avenue
Rohnert Park, CA, 94928

Reservation

The University reserves the right to select its students and deny admission to the University or any of its programs as the University, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the University.

General Information about Admission and Evaluation of Academic Records

Advanced Placement

Sonoma State University grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of three or better will be granted up to six semester units (nine quarter units) of college credit.

Credit by Examination

Students may challenge courses by taking examinations developed at Sonoma State University. Credit shall be awarded to those who pass them successfully.

Credit by Challenge Examinations

SSU grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree, which has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The numbers of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

You may earn unit credit for an SSU course that you successfully challenge by examination. The University, in the interest of accelerating the academic progress of capable students with special interests and experience, encourages the earning of such credit. The following regulations govern the challenging of courses:

1. Students may challenge only those courses that are listed in the SSU catalog and for which the challenger has not otherwise received credit. A course may be challenged only during the semester in which it is regularly offered;
2. Only students in resident study may challenge a course;
3. Examinations are set and administered by the instructor of the course challenged or by a faculty designee of the appropriate department chair. Completed examinations are filed in the department offices;
4. Application for Unit Credit by Challenge Examination must be approved by the appropriate department chair;

5. For summer sessions only, challenge examinations must be taken within the first two weeks of the Six Week Summer Session; and
6. When students pass the examination for credit, a CR will be recorded on their permanent record but will not be posted to students' records until 30 units have been earned in residence. No resident credit is earned, and units graded CR do not affect the grade point average. Forms for Application for Unit Credit by Challenge Examination are available in department offices.

Credit for Non collegiate Instruction

Sonoma State University grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree, that has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The number of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

Faculty Evaluated Prior Learning Program

Rachel Carson Hall 53, (707) 664-3977

Coordinator

Beth Warner

Sonoma State University subscribes to the principles recognized by the California State University and by the Western Association of Schools and Colleges. It offers the Faculty-Evaluated Prior Learning (FEPL) Program in order to serve highly motivated students with substantial experiential learning. Sonoma State University may grant up to 30 units of undergraduate credit for skills-based knowledge that has been documented and evaluated according to campus policy.

In defining creditable prior learning, it is perhaps easier to begin with what it is not. It is not giving credit for living. Everyone has lived and has had experience, but not everyone's life and experience produce learning equivalent to portions of a prescribed college curriculum. Credit is not awarded for raw experience but rather for significant learning experiences that result in a blend of practical and theoretical understanding applicable to other situations. This understanding must be both demonstrable and demonstrated.

The gateway into the program is a Portfolio Workshop, UNIV 310, which is offered through the School of Extended and International Education. This is a three-unit, interdisciplinary upper-division course that is open to anyone who wishes to benefit from a guided self-assessment to focus on academic goals and achievement. This course provides a structure for articulating and organizing prior-learning experiences into a prescribed portfolio format for faculty evaluation. This portfolio is useful for future educational and career planning, and can also be submitted for assessment and award of credit by following the procedures outlined below. These are outlined in more detail in program materials available from the Coordinator.

FEPL Procedures

To submit a portfolio for evaluation, the student must:

1. Have successfully completed the UNIV 310 Portfolio Workshop;
2. Have been admitted to an undergraduate degree program at Sonoma State University;
3. Be enrolled in coursework at SSU in the semester during which the evaluation of the portfolio takes place; and
4. Follow the established program procedures.

Orientation and Advising

This step is accomplished by enrolling in the UNIV 310 Portfolio Workshop. The seminar instructor will help the student assess the appropriateness of prior learning experiences for pursuit of credit via FEPL, the College Level Examination Program (CLEP), or challenge exams. The instructor will also guide students in creating a portfolio that can be used as a source of information for these endeavors.

Payment of User Fee

If the student, the seminar instructor, and the FEPL coordinator agree that the portfolio warrants formal application for award of credit, the next step is payment of a one-time non-refundable fee, based partly upon the complexity of the portfolio (please see FEPL brochure for details). The fee is assessed to cover the cost of faculty evaluation of the portfolio and does not guarantee the award of credit.

Faculty Evaluation

The final recommendations, including units to be awarded and specific descriptive titles, are forwarded by the FEPL coordinator to Admissions and Records for transcription. The FEPL coordinator forwards the completed portfolio to appropriate faculty evaluators who consider whether the learning demonstrated in the portfolio meets the criteria for college-level learning in their disciplines, whether it is upper- or lower-division level, and whether it is appropriate for credit in general education (GE), electives, or the major. Recommendations for award of credit for GE are reviewed according to standard university procedures. The evaluators also recommend the exact titling of the credit to be awarded and the number of units to be awarded in each category. The evaluators' recommendations and the portfolio are then returned to the FEPL coordinator. The time line for this process is one semester.

FEPL Policies

1. In accordance with WASC guidelines and University policy, no more than 30 baccalaureate units may be earned through FEPL;
2. FEPL units may not be transferable to another college, even in the CSU, as policies for earning credit for prior learning vary from campus to campus. However, the FEPL Coordinator will, at the request of any institution or agency, furnish full documentation showing how such learning was evaluated and the basis upon which units were awarded;
3. FEPL units cannot be used to fulfill transfer requirements; however, credit earned for UNIV 310 can be counted for unit requirements as part of the 24 units allowed for Extension credit;
4. Students can apply for credit only in areas where SSU has degree programs and faculty expertise;
5. Credit can only be awarded toward an approved degree program; and
6. FEPL credit is not available at the graduate level.

Appeal of Admission Decision

Section 89030.7 of the California Education Code requires that the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted, and indicate a time estimate for when the campus expects to respond to an appeal. The appeal procedures must be included in all denial of admission notifications to students, and must also be published on the campus website.

Degree Requirements

General Education Program

Student Learning Outcomes

Sonoma State's General Education Program has **13** student learning outcomes designed to provide Seawolves with an intentional, coherent, inclusive undergraduate experience across multiple disciplinary perspectives. The program fosters broad transferable skills and integrated, engaged learning that positions students to create and participate meaningfully and ethically in our interconnected and interdependent world.

Upon completion of General Education coursework, Seawolves will be able to:

- Actively analyze texts in a variety of forms, genres, and disciplines (**Critical Reading**)
- Iteratively formulate questions for research by gathering diverse types of information; identifying gaps, correlations, and contradictions; and using sources ethically toward a creative, informed synthesis of ideas (**Information Literacy**)
- Advance cogent and ethical arguments in a variety of genres with rigor and critical inquiry (**Argument**)
- Communicate clearly and eloquently in written, oral, and/or performative forms in a variety of genres and disciplines (**Communication**)
- Interpret, evaluate, and employ quantitative analysis and arguments (**Quantitative Reasoning**)
- Identify, interpret, and apply methods, intellectual approaches, and fundamental concepts from disciplines within the social sciences, natural and physical sciences, arts, and humanities (**Disciplinary and Interdisciplinary Knowledge**)
- Synthesize and apply theoretical and practical perspectives from multiple disciplines to develop an understanding of complex issues (**Integration**)
- Attain and apply knowledge of social power and difference in relations between self, other people, and social structures locally and nationally while honoring contributions of people of different identities (**Diverse Cultural Competencies**)
- Drawing on the past and present, develop knowledge and skills that promote active citizenship, with the capacity to deliverate, act and lead in a democratic society (**Civic Responsibility**)
- Explore past and present relationships among humans and between societies and environments and create new ways to cultivate a more secure and resilient future for all of our planet (**Sustainable Development**)
- Develop knowledge of past and present political, economic, and cultural relations operating at international to global scale (**Global Awareness**)
- Apply knowledge, skills, and multiple perspectives in new situations to analyze and formulate solutions to complex problems with confidence and creativity (**Creative Problem Solving**)
- Produce new work through performance, design, construction, art, or creative writing that is characterized by innovation, divergent thinking, and intellectual risk taking (**Creative Expression**)

The GE Student Learning Outcomes (GELOs) align with the campus Strategic Plan, the CSU Chancellor's Executive Order (EO) 1100, as well as Sonoma's distinctive identity as a liberal-arts institution. They provide the program with a tool to guide learning and programmatic improvement. These outcomes are measured through annual assessment efforts in order to ensure the campus' commitment to quality education.

General Education Requirements

Each student must complete a **minimum** of 48 units of coursework from 5 different areas of study in order to satisfy the GE requirement for a Bachelor's degree. In order to register for and complete your GE requirements, please refer guidelines below or download a copy of the **GE pattern**. Additional GE patterns are listed on the **Resources** page of this site.

A. English Language, Communication & Critical Thinking

Minimum of 9 units with 3 units taken within each subarea

- A1: Oral Communication
- A2: Written Communication
- A3: Critical Thinking

B. Scientific Inquiry & Quantitative Reasoning

Minimum of 12 units with 3 units taken within each subarea

- B1: Physical Science (3 units)
- B2: Life Science (3 units)
 - B3: Laboratory Activity (*associated with a Physical or Life Science. May be embedded in a lecture course or taught as a separate 1-unit course*)
- B4: Mathematics/Quantitative Reasoning (3 units)
- Upper Division* Science and/or Mathematics (3 units)

C. Arts & Humanities

Minimum of 12 units with 9 units in lower division and 3 units in upper division

- C1: Arts (3 units)
- C2: Humanities (3 units)
- Upper Division* Arts or Humanities (3 units)

D. Social Sciences

*Minimum of 12 units with 9 units in lower division from two different disciplines and 3 units in upper division. **Note:** To graduate from a California State University, students must complete courses covering U.S. History, U.S. Constitution, and California State & Local Government. See more information about this in the American Institutions section of this page.*

E. Lifelong Learning & Self Development

Minimum of 3 units

*Upper-division GE is numbered 300–499 and must be taken in-residence within the CSU system.

The specific courses that meet each GE Subarea are listed in the class schedule in **MYSSU** and can be searched for using various filters. It should be noted that students are welcome to select courses worth more units than the required minimum in a GE Subarea. In these cases, three units will be applied towards the GE Subarea and any additional units will be applied as electives or towards other appropriate GE Subareas.

Seawolf Studies Graduation Requirements

To graduate from Sonoma State University, students must complete Seawolf Studies requirements in areas that reflect state- and campus-wide core values. There are currently 3 areas with requirements that students must meet.

Graduation Writing Assessment Requirement

The Graduation Writing Assessment Requirement (GWAR) is required for all students at a California State University. This requirement may be met by:

1. successful completion of an approved upper-division **Writing Intensive Course** (WIC) which may also fill GE area distribution or major requirements **OR**
2. passing the **Written English Proficiency Exam** (WEPT).

American Institutions

*The California State University system requires students complete courses covering American Institutions (AI) with content concerning U.S. History, U.S. Constitution, and California State & Local Government. At Sonoma State, this requirement has historically been met through two lower division general education courses, one in American History and one in Political Science, however, students may receive credit by exam, including approved **Advanced Placement** or **CLEP** exams.*

Critical Race Studies

Critical Race Studies is an interdisciplinary field of study that seeks to understand the ways society is culturally and institutionally constituted by race and racism in relation to ethnicity, gender, sexuality, class, and nation. Sonoma State requires students complete 1 Critical Race Studies course to graduate.

Baccalaureate Candidates

The University grants baccalaureates for the successful completion of a coherent course of study at the University and the maintenance of appropriate levels of scholarship. The requirements that follow specify certain course work, unit distributions, and levels of scholarship that the California State University and the faculty of Sonoma State University have determined provide an appropriate educational framework for all students pursuing a baccalaureate. These requirements, however, provide only a framework. It is critical that each student consult regularly with an academic advisor. Students who have declared a major are assigned an academic advisor in the department of their major.

Students who have not yet declared a major are assigned advisors through the Advising Center, Salazar 1070, (707) 664-2427. Students are eligible for graduation when they are in good standing and have fulfilled the following requirements:

1. **Faculty Approval**

The determination that students have achieved appropriate proficiency in any and all parts of

the curriculum to warrant the granting of a degree is the responsibility of the faculty. A favorable vote of the faculty acting through the academic senate is required for the granting of any degree.

2. **Completion of a General Education Program**

The effectiveness of an education in the liberal arts and sciences is critically dependent upon the broad foundation of studies called general education. Through a program of general education, students learn a variety of basic skills and modes of disciplinary inquiry. General education courses are not simply the preliminary and introductory studies of the various disciplines; rather, they provide the necessary context for the more specific study in the major and for the selection of appropriate electives. Completion of one of Sonoma State University's general education programs also ensures completion of graduation requirements in U.S. History, Constitution, and American Ideals (American Institution requirements).

3. **Completion of a Major**

Through a concentration of studies in a particular major, students focus in depth upon a particular set of disciplines or subject areas. Because major programs vary considerably in their requirements, students should consult with faculty advisors early in their academic programs. Students may declare a major at any time, but are required to do so by the time they have earned 60 units. Descriptions of the majors are found with the department listing in the University Curricula section of this catalog.

4. **Completion of the Written English Proficiency Requirement**

All students of the California State University system must demonstrate competency in writing as a requirement for graduation. At Sonoma State University, students complete this requirement by passing the Written English Proficiency Test (WEPT) or by completing a writing intensive course (WIC) with a C or better. All students taking the WEPT are required to do so in their junior year and cannot take it earlier. To sign up for the WEPT, students must pay the exam fee at the Seawolf Services Center and then register at the Writing Center. Exam dates are posted at the Writing Center and on the Writing Center's Website. Students who have difficulty passing the WEPT are advised to seek assistance through the WEPT workshops provided by the Writing Center. The Center offers two workshop series per term. Students who have failed the WEPT and feel they would benefit from additional formal instruction in writing may elect to enroll in ENGL 275, a course specifically designed to help students develop skills necessary to pass the WEPT. Students who have questions about the WEPT should contact the WEPT coordinator at (707) 664-2058.

5. **Maintenance of Scholarship**

A grade point average of C (2.00) or better is required in work undertaken in residence at Sonoma State University, as well as in the student's total undergraduate work and in the major field. The C average for the major includes all classes listed on the Major Requirements form, except that supporting courses, while required for some majors, are not included in the major grade point average.

6. Unit Requirements and Limitations

1. Total Units: A minimum of 120 semester units is required for graduation (some majors require up to 132 semester units for graduation);
 2. Upper-Division Units: Forty units must be upper-division work (300-499 courses), including a minimum of 12 units in the major for the B.A. degree or 18 units in the major for the B.S. degree;
 3. Residence Units: Thirty units must be completed in residence at Sonoma State University, including 24 upper-division units and 12 units in the major. The B.F.A. in Art requires 24 upper-division units in Art in residence. Note: Units earned in Extension, Open University, Visitor status Sonoma, nonbaccalaureate- level courses, and through credit by examination may not be applied to residence requirements; and
 4. Credit/No Credit Grades. A maximum of 24 units of courses with nontraditional grades may be elected. Students completing the Hutchins School interdisciplinary general education lower-division program may exceed this minimum by 24 units. Courses fulfilling major and minor requirements must be graded A-F, except for courses not available in the A-F mode.
7. The following requirements and limitations governing course credit units must be observed: Other maximum limits of semester units to be applied toward degree requirements are:

Correspondence and Extension Studies	24 units
Community Involvement Project 295/395	6 units
Special Studies 495	12 units
*see page (415): Catalog Year requirement	
Student-Instructed Courses 199/399	12 units
Community College transfer credit	70 units
Credit by Examination	30 units
Faculty-Evaluated Prior Learning	30 units

Note: Students who have been separated from the University for a substantial amount of time may need to have their previous coursework re-verified by the Department Chair of the major. General Education work may need to be re-verified by the GE subcommittee. Any work found to be expired will convert to Elective Credit. New, additional coursework may be required to complete the degree. Students must meet all of the requirements in place for the current catalog year for the major, minor and/or General Education. Students can fill out an Application for Graduation along with a Matriculation Form and meet with their advisor prior to submitting paperwork to the office of Admissions and Records.

Minor Programs

A minor is not required for graduation. Many departments, however, offer programs leading to a minor, and students are encouraged to consider pursuing a minor that complements their major. Minor

programs ordinarily consist of approximately 16-20 units, 6 of which must be upper division, and require maintenance of a C (2.00) average in minor coursework. Faculty advisors in the department offering the minor will assist students in selecting appropriate courses. Coursework in the minor must be completed by the degree date. The minor appears on the student's official transcripts but not on the diploma.

Electives

To complete the minimum of 120 semester units required for graduation after fulfillment of general education, statutory, and major requirements, students may choose from a broad spectrum of courses to broaden their education, deepen understanding of their specialties, pursue work in related fields, and satisfy their curiosity and enthusiasm regarding particular areas of interest.

Double Majors

It is sometimes possible for a student to complete the requirements for more than one major within 120-140 units. If you complete requirements for two bachelor degrees, both will appear on your diploma and transcripts. Students who wish to complete requirements for a second major should consult with a faculty advisor early in their academic program.

Second Bachelor's Degree

To earn a second baccalaureate at Sonoma State University, students must fulfill the requirements of the major, and demonstrate competence in English composition by passing the Written English Proficiency Test. Second baccalaureate candidates must complete 30 units of residence credit at Sonoma State University and should consult with their faculty advisors regarding the portion of those 30 units that must be earned in upper-division courses (minimum 24 for residency). Note: Units earned in Extension, Open University, and Visitor status, and through credit-by-examination may not be applied to residence requirements.

Second baccalaureate students may carry only one major and are not eligible for second majors or minors. Students are also eligible for honors if they meet the regular requirements for honors, which is 45 units of letter graded classes taken in residence.

Awarding of Degrees

Degrees are awarded three times a year in December, May, and August. Candidates for graduation should file an "Application for Award of Degree" form with Admissions and Records one to two semesters before the anticipated semester graduation. This will enable the student and advisor to determine remaining requirements and any deficiencies to be completed. You must meet all degree requirements by the date of graduation to a future date by filing a "change in Graduation Information" form. If you do not graduate within two terms of your initial filing, you will need to reapply for graduation in addition to any other paperwork required. Students can only apply to graduate in current majors/minors your were in previously has been expired, you cannot graduate under it. Diplomas are mailed 6-8 weeks after the award of degree.

Honors at Graduation

The University awards two types of honors to students at graduation: degree honors and department honors.

1. Degree Honors

Criteria used to determine honors at graduation are those in effect as of the date of graduation. Students graduating with the baccalaureate earn degree honors by meeting the following criteria:

1. Completion at Sonoma State University of a minimum of 45 letter-graded semester units in residence; and
2. Attainment of cumulative grade point averages as indicated below:

Degree Honor Designation

Summa Cum Laude - is awarded to those students achieving a cumulative grade point average in all university and college work and a cumulative grade point average in all work undertaken at SSU of not less than 3.90.

Magna Cum Laude - is awarded to those students achieving cumulative grade point average in all university and college work **and** a cumulative grade point average in all work undertaken at SSU of not less than 3.75.

Cum Laude - is awarded to those students achieving a cumulative grade point average in all university and college work and a cumulative grade point average in all work undertaken at SSU of no less than 3.50.

Degree honors are noted on the student's transcript and on the diploma.

2. Department Honors

Students graduating with the baccalaureate who are judged by their departments to have made outstanding contributions to their disciplines graduate "with distinction." Check with your major department to learn if they offer departmental honors. Departmental honors are noted on the student's transcript and on the diploma.

3. Certificates

If you have completed an approved certificate, it will be listed on your official transcript once your degree is posted.

Graduate Degrees

Graduate education at Sonoma State University provides opportunities for students to develop the ability to conduct independent study and research and to enhance their professional competence in their field of interest. In order to accommodate students who are unable to pursue graduate work on a full-time basis, many master's programs at the University are scheduled to allow completion of degree requirements on a part-time basis over several semesters.

Descriptions of the following graduate programs are contained in academic department listings:

Residence Master's Degree Programs

Biology**Business Administration**

- Wine Business

Counseling

- Clinical Mental Health (MFT and LPCC)
- School Counseling (P.P.S.)

Cultural Resources Management (Anthropology)**Education**

- Curriculum, Teaching, and Learning
- Early Childhood Education
- Educational Leadership
- Reading and Language
- Special Education

English**History****Interdisciplinary Studies****Kinesiology****Nursing**

- Family Nurse Practitioner

Public Administration**Special Sessions Master's Degree Program****Computer and Engineering Science**

- Communication and Photonics
- Computer Hardware Software Systems

Executive M.B.A.**Film Studies****Organization Development****Psychology**

- Depth

Spanish**Graduate Admission Requirements**

Admission requirements and procedures for graduate students are described in the Admissions section in this catalog. Admission to the University with unclassified post-baccalaureate standing does not in any way constitute admission to, or assurance of consideration for admission to, a graduate degree or credential program. Two admissions procedures are involved in pursuing graduate work at the University: 1) admission to the University; and 2) admission to the department offering the degree or credential program in which the student is interested. Students should, therefore, contact both the relevant department and the Admissions Office, (707) 664-2778.

Change in Graduate Standing

Many students are admitted to the University in conditionally classified standing with contingencies to remove prior to becoming a classified student. This admission does not guarantee a space in the graduate program. Such a guarantee is obtained by a change in graduate standing to classified status verified by the program in question. Each department has its own procedures for evaluating the appropriateness of granting the student a place in their program. At the time this status is confirmed, a form is filed with the Admissions and Records Office and the Graduate Studies Office confirming the department's approval of this change in status.

Advancement to Candidacy

Master's degree students are advanced to candidacy when the department has assessed the academic and professional capacities of the student and is convinced that the student has the competence to complete all requirements for the degree, including the culminating project. Advancement to candidacy is done by filing the Advancement to Candidacy form (GSO1), which describes the culminating project, is approved by all of the members of the student's thesis committee, and is reviewed by the Graduate Studies Office. Culminating projects, including theses, investigative projects, creative projects, and curriculum projects, are approved by the department and reviewed by the Graduate Studies Office prior to clearance for the degree. These projects are then published by the Sonoma State Library and become part of its permanent digital collection.

Completion of the Written English Proficiency Requirement

In order to ensure that graduate students possess the ability to communicate effectively in written English, advancement to candidacy will be contingent upon fulfillment of either the Written English Proficiency Test or departmentally administered review procedures that have been approved by the graduate studies subcommittee and placed on file with the Graduate Studies Office.

General Requirements for the Master's Degree

Master's programs require a minimum of 30 semester units of approved coherent coursework. All courses applied to the program must be completed with an overall GPA of 3.00, and no course for which a final grade below C is assigned may be used to satisfy this requirement. Graduate programs must be completed in no more than 7 years, which is computed as 14 semesters. No more than 6 semester units shall be allowed for a thesis project

Other University-wide criteria:

1. A classified student must demonstrate, throughout enrollment in the graduate program, the level of competence required to be successful in the completion of the requirements. This evaluation of competence is primarily the responsibility of faculty actively teaching in the program.
2. Advancement to candidacy is required and should be done when the student enters the final phase of the program. Departments vary in the way they evaluate student competency and in what is required to advance the student to candidacy for the degree.
3. No fewer than one-half of the total units required shall be in graduate (500-level) coursework.
4. At least 21 semester units shall be completed in residence.
5. No more than 6 semester units shall be allowed for a thesis or project.

6. No more than 30 percent of coursework shall be allowed in transfer, including work done through Extended Education.
7. No credit toward a master's degree will be given for student teaching in a credential program.
8. At the discretion of the department, up to one-third of the total program units may be in a nontraditional grading mode (credit/no credit).
9. No classes completed as an undergraduate may be used except those granted provisional graduate credit prior to award of the baccalaureate degree.
10. The candidate must complete a thesis, project, or comprehensive exam as required by the department. Culminating projects that are published by the library require review by the Graduate Studies Office, as well as final approval by the student's faculty committee.
11. A public defense of the thesis is required and may be required for a project.
12. The student has four semesters to complete the thesis/ project, including the first semester of enrollment for thesis units. The RP (Report in Progress) grade will remain until the student submits the culminating project. Projects taking more than four semesters to complete will require an approval for extension by the Graduate Studies Office or may require reapplication to the program and re-enrollment in the units.

Continuous Enrollment Policy

Graduate students who have completed their coursework or who have begun to work on their thesis or other final project must be enrolled each additional semester through one of the following mechanisms:

1. Those students who wish to maintain eligibility for financial aid and use the full resources of the University should maintain regular half-time enrollment and pay half-time fees. Graduate programs create enrollment opportunities for these students by providing mechanisms such as sections of 535 (Directed Writing) or 599 (Research and Thesis) in the regular class schedule, or by allowing students to enroll in 595 (Special Studies) through the regular registration procedure.
2. Those students who do not seek the full services of the University may maintain enrollment through Extended Education and pay a continuation fee of \$250 per semester. The fee maintains their place in their academic program and provides library privileges.
3. With the support of their graduate advisors, those students who, due to extraordinary circumstances, cannot continue work on their programs may seek special consideration by petitioning the Graduate Studies Office for a leave of absence for a defined period of time not to exceed two years. This petition process would not extend the seven-year limitation on coursework applied to the degree.

Students who allow their enrollment to lapse without taking a leave of absence will be considered to have withdrawn from the University and from their degree program. Should such students decide to return, they will be required to apply for readmission and, as a condition of readmission, shall be assessed a continuing enrollment fee of \$250 for every regular semester of the period during which they were absent from the University.

Provisional Unclassified Graduate Status for Senior Students

Students who plan to complete upper-division or graduate-level courses in their final semester may petition for provisional unclassified graduate credit for such courses. Courses required for the baccalaureate will not be granted this provisional status. The petition must be filed at the same time as the application for award of the degree. Teaching credential candidates should consult the Department of Education about the advisability of such a petition.

Provisional unclassified postbaccalaureate credit can be granted only for upper-division and graduate-level courses and will be recorded in the student's academic record as earned prior to the award of the baccalaureate. Such credit is applicable to graduate objectives at the discretion of the relevant academic department. Should requirements for the baccalaureate not be completed by the date specified on the application, the petition for postbaccalaureate credit becomes null and void.

Courses that may be included in a Master's Program

300-499 Upper-division courses may be acceptable for graduate credit. See Provisional Unclassified Graduate Status for Senior Students, above.

500-599 Graduate courses degree. Teaching credential candidates should consult the Department of Education about the advisability of such a petition.

Provisional unclassified postbaccalaureate credit can be granted only for upper-division and graduate-level courses and will be recorded in the student's academic record as earned prior to the award of the baccalaureate. Such credit is applicable to graduate objectives at the discretion of the relevant academic department. Should requirements for the baccalaureate not be completed by the date specified on the application, the petition for postbaccalaureate credit becomes null and void.

Courses that may be included in a Master's Program

300-499 Upper-division courses may be acceptable for graduate credit. See Provisional Unclassified Graduate Status for Senior Students, above.

500-599 Graduate courses.

Student Charges, Fees and Financial Assistance

Seawolf Service Center

Salazar Hall
(707) 664-2308

Financial Aid Office

Salazar Hall
(707) 664-2389

Scholarship Office

Salazar Hall
(707) 664-2261

2020-2021 Schedule of Tuition and Fees*

See the Fee Schedule online for the most current mandatory registration charges and information.

The following reflects applicable system wide fees for all students for one semester:

Undergraduate Students		
Units per semester	1-6	7+
Tuition Fee	\$1,665*	\$2,871*
Campus-based Fees**	\$1,069	\$1,069
Undergraduate Total	\$2,734	\$3,940
Graduate/Postbaccalaureate Students		
Units per semester	1-6	7+
Tuition Fee	\$2,082*	\$3,588*
Campus-based Fees**	\$1,069	\$1,069
Postbaccalaureate Total	\$3,151	\$4,657
Credential Students***		
Units per semester	1-6	7+
Tuition Fee	\$1,932*	\$3,330*

Campus-based Fees**	\$1,069	\$1,069
Credential Total	\$3,001	\$4,399
Western Undergraduate Exchange (WUE)		
Units per semester		12+
Tuition Fee		\$4,307
Campus-based Fees**		\$1,069
Credential Total		\$5,376

Additional Registration Charges

Graduate Business Professional Fee (M.B.A.)

\$270* Per Unit in addition to mandatory registration charges

The graduate business professional fee is paid on a per unit basis in addition to basic tuition and campus fees for the following graduate business programs:

- Master of Business Administration (M.B.A.)
- Master of Science (M.S.) programs in Accountancy
- Master of Science (M.S.) programs in Business Administration
- Master of Science (M.S.) programs in Health Care Management
- Master of Science (M.S.) programs in Business and Technology
- Master of Science (M.S.) programs in Information Systems
- Master of Science (M.S.) programs in Taxation

SIRF Fee

Optional SIRF (Student Involvement and Representation) fee: \$2

Nonresident Students (U.S. and Foreign)

Nonresidents tuition (in addition to basic tuition and systemwide fees charged to all students) for all campuses:

- \$396* Charge Per Unit

The total nonresident tuition paid per term will be determined by the number of units taken.

Nonresident students are eligible for an installment payment plan. There is a 15% service fee on the plan. Contact the Seawolf Service Center for details.

Mandatory systemwide tuition is waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers).

Students are charged campus-based fees in addition to tuition and systemwide fees. Information on campus-based fees can be found by contacting the Seawolf Service Center.

Credit Cards

Visa, MasterCard, American Express and Discover credit cards may be used for payment of student tuition and fees but may be subject to a non-refundable credit card processing fee.

Effective January 1, 2018, Seawolf Service Center will no longer accept credit or debit cards for payments, only cash, checks, money order, wolfbucks or cashier's check. Credit/Debit cards and electronic checks will continue to be accepted payment methods for online student account payments. Payments on student accounts made by online credit/debit card will be charged a 2.75% non-refundable service fee by our third party provider, CASHNet® Smartpay.

**The CSU makes every effort to keep student costs to a minimum. Tuition and fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU reserves the right, even after tuition or fees are initially charged or initial payments are made, to increase or modify any listed tuition or fees. All listed fees, other than mandatory systemwide tuition, are subject to change without notice, until the date when instruction for a particular semester or quarter has begun. All CSU-listed tuition and fees should be regarded as estimates that are subject to change upon approval by the Board of Trustees, the chancellor or the presidents, as appropriate. Changes in mandatory systemwide tuition will be made in accordance with the requirements of the Working Families Student Fee Transparency and Accountability Act (Sections 66028 – 66028.6 of the Education Code).*

3.9% Campus-based fees increase in Fall 2019 based on CPI for Greater Bay Area for 2018 calendar year. Methodology for annual adjustment approved by student referendum in April 2001.

The optional Student Involvement and Representation (SIRF) fee is a voluntary CSU system wide fee adopted by the Board of Trustees for the purpose of establishing a stable funding model for the California State Student Association (CSSA). It consists of a \$2 per-term fee assessed to each CSU student on a voluntary basis, allowing the choice to opt-out. The new fee took effect in fall 2015. For additional info on the CSSA [http:// www.calstatestudents.org](http://www.calstatestudents.org).

List of Factors for Future Considerations of Fee Changes per AB 970 adopted via CSU BOT resolution 3/20/13: [http:// www.calstate.edu/BOT/Resolutions/mar2013.pdf](http://www.calstate.edu/BOT/Resolutions/mar2013.pdf).

Per Executive Order No. 1102, beginning in fall 2010, for each adjustment made by trustee action to the State University Fee for graduate students, an equal adjustment will be made to the Graduate Business Professional Fee formerly: Professional Program Category I Fee.) Link to EO: <http://www.calstate.edu/eo/EO-1102.html>.

Term "Tuition Fee" used in place of "State University Fee" following approval at 11/10/10 CSU BOT and guidelines in CSU Executive Order 1102 : <http://www.calstate.edu/eo/EO-1102.html>

The applicable per term tuition fee schedules are provided on the Budget Office website.

****Campus-based Fees**

<i>Units per semester</i>	<i>1-6</i>	<i>7+</i>
<i>Associated Students Fee</i>	<i>\$129</i>	<i>\$129</i>
<i>Consolidated Service Fee</i>	<i>\$20</i>	<i>\$20</i>

<i>Counseling and Psychological Services Fee</i>	\$61	\$61
<i>Health Facilities Fee</i>	\$20	\$20
<i>Instructionally Related Activities Fee</i>	\$260	\$260
<i>Student health Fee</i>	\$154	\$154
<i>Student Union Fee</i>	\$425	\$425
<i>Total Campus-based Fee</i>	\$1069	\$1069

Campus-based fees increase based on CPI for greater Bay Area from the prior calendar year. Annual increase approved by student referendum in April 2001.

**** Students seeking an Initial Multiple Subject, Single Subject, or Special Education teaching credential (preliminary, clear, Level I, or Level II) admitted to a credential program with classified or conditionally classified status.*

Other Charges

Alcohol and Other Drug Intervention	
Substance Use Workshop Level I	\$65
Substance Use Intervention Level II	\$65
Application Fee (non-refundable)	\$55
(This fee is payable upon application for admission or readmission by all new students or students returning after an absence of two or more semesters.)	
Counseling Transcript Evaluation	\$25-50
Credential Processing and Evaluation	\$25
Credential Processing Non-SSU Applicants	\$40
Credential Out of State Verification	\$15
Credential Subject Matter Authorization Evaluation	\$15
Dishonored Check or Credit Card Fee (returned for any cause)	\$20
Failure to meet administratively required appointment or time limit	\$20
FEPL	\$250
Health Center/Pharmacy/Lab Service	cost

Items lost or broken, or damage to University property	cost
Late Registration	\$25
Lost Keys	\$25 per key
Meyers-Briggs Test	\$10-16
Modern Language Lab Fee	\$10
Modern Language Proficiency Exam	\$50
Musical Equipment Deposit	\$20
Musical Instrument/Audio/Visual Equipment Use	\$25
PE Lost Equipment	cost
PE Towel/Locker Use (optional)	\$10
SSU CPA Rehearsal Kit	\$5-85
SSU Waiver Subject Matter	\$50
Strong Interest Inventory	\$20
Studio Arts Cleaning and Safety Equipment Fee	\$10
WEPT	\$35

Deposits for locker keys and breakage required in some laboratory courses. These deposits are refundable in whole or in part. If deposits are not required, charges may be made against the student for undue breakage or failure to clear locker and/or return key.

Specific Course Fees

Payable when service is rendered. Students have the option of obtaining materials or services for specific courses from sources other than the University, so long as they meet the instructional requirements.

ARTS 103	\$20
ARTS 104	\$20
ARTS 204	\$35
ARTS 210 , ARTS 310	\$92

ARTS 220 , ARTS 320 , ARTS 420	\$10
ARTS 229 , ARTS 329 , ARTS 429	\$61
ARTS 430	\$61
ARTS 236 , ARTS 336 , ARTS 436	\$50
ARTS 245	\$54
ARTS 298 , ARTS 498	\$25
ARTS 304 , ARTS 404	\$35
ARTS 435	\$68
ARTS 340 , ARTS 440	\$54
ARTS 342 , ARTS 442	\$85
ARTS 382 , ARTS 482	\$54
ARTS 432	\$61
ARTS 457	\$67
ARTS 458	\$67
ARTS 496 (Field Trip)	cost
BIOL 110	\$5
BIOL 130	\$15
BIOL 131	\$15
BIOL 220	\$120
BIOL 224	\$10
BIOL 240	\$25
BIOL 314	\$65
BIOL 322	\$55
BIOL 323	\$70
BIOL 325	\$15
BIOL 327	\$140

BIOL 328	\$45
BIOL 329	\$10
BIOL 330	\$15
BIOL 333	\$30
BIOL 335	\$65
BIOL 338	\$15
BIOL 340	\$25
BIOL 342	\$40
BIOL 344	\$30
BIOL 347	\$20
BIOL 349	\$15
BIOL 383	\$25
BIOL 472	\$25
BIOL 480	\$30
CHEM 102 , CHEM 105 , CHEM 115A /CHEM 115B , CHEM 125A/CHEM 125B CHEM 255	\$25
CHEM 316 CHEM 401 , CHEM 402 , CHEM 441	\$60
COMS 340	\$75
COMS 385 (1-2 units)	\$100
COMS 385 (3-4 units)	\$100
COUN 511F	up to \$25
ECON 454	\$100
GEOL 102	\$12
GEOL 120	\$130
GEOL 304	\$175
GEOL 308	\$195

GEOL 312	\$185
GEOL 420	\$195
GEP 312	\$225 for 1 unit or \$320 for 2 units
GEP 445	\$15
KIN 242	\$10
LIBS 101 /LIBS 102	\$150
LIBS 201 /LIBS 202	\$150
NURS 301	\$160
NURS 303	\$25
NURS 509	\$25
NURS 549	\$25
NURS 550A	\$25
NURS 550B	\$25
POLS 345	\$500
SCI 120A	\$60
SCI 120B	\$50
THAR 300 (Field Trip)	\$120

Library Fees

Community Borrower Card \$10/3 months

Overdue Fees for Reserve Materials

\$50 maximum fine per item

\$1 an hour

Overdue Fees for Equipment

Laptops, keys, headphones

\$1 an hour

Parking Fees

Auto, reserved, per semester \$262

Auto, non-reserved, per semester	\$110
Motorcycle, per semester	\$27
Daily permit	\$5.00

Miscellaneous Fees

Refund of Mandatory Student Charges/Fees, Including Nonresident Tuition

Regulations governing the refund of mandatory fees, including nonresident tuition, for students enrolling at the California State University are included in Section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those system wide and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University. Refunds of fees and tuition charges for self-support, special session, and extended education programs or courses at the California State University are governed by a separate policy established by the University, available.

In order to receive a full refund of mandatory fees, less an administrative charge established by the campus, including nonresident tuition, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available [location of information, e.g., in the Schedule of Classes].

For state-supported semesters, quarters, and non-standard terms or courses of four (4) weeks or more, a student who withdraws during the term in accordance with the university's established procedures or drops all courses prior to the campus-designated drop period will receive a refund of mandatory fees, including nonresident tuition, based on the portion of the term during which the student was enrolled. No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees or nonresident tuition.

A student who, within the campus designated drop period and in accordance with the campus procedures, drops units resulting in a lower tuition and/or mandatory fee obligation shall be entitled to a refund of applicable tuition and mandatory fees less an administrative charge established by the campus.

For state-supported non-standard terms or courses of less than four (4) weeks, no refunds of mandatory fees and nonresident tuition will be made unless a student cancels registration or drops all classes, in accordance with the university's established procedures and deadlines, prior to the first day of instruction for state-supported non-standard terms or courses or prior to the first meeting for courses of less than four (4) weeks.

Students will also receive a refund of mandatory fees, including nonresident tuition, under the following circumstances:

- The fees were assessed or collected in error;
- The course for which the fees were assessed or collected was cancelled by the university;

- The university makes a delayed decision that the student was not eligible to enroll in the term for which mandatory fees were assessed and collected and the delayed decision was not due to incomplete or inaccurate information provided by the student; or
- The student was activated for compulsory military service

Students who are not entitled to a refund as described above may petition the university for a refund demonstrating exceptional circumstances and the chief financial officer of the university or designee may authorize a refund if he or she determines that the fees and tuition were not earned by the university.

Information concerning any aspect of the refund of fees may be obtained from Seawolf Services located on the first floor of Salazar Hall at (707) 664-2308.

Seawolf Service Center

Salazar Hall
(707) 664-2308

The following student-related functions are found in the Seawolf Service Center:

- Enrollment and Housing Deposits
- Payments for Student Charges/Fees
- Miscellaneous course fee payments
- WEPT and other test fees
- Equipment fees
- Requests for refund of fees
- Sale of parking permits
- Parking citation payments
- Housing room and board payments
- Issuance of campus keys
- Lost and found
- Paycheck pick-up
- Financial aid check disbursement
- Clearance of financial holds
- Routine maintenance requests for dorm students
- I.D. Card issuance and validation
- University-related notary services
- Travel reimbursement for students appointed to system-wide committees

Refer to the current *Schedule of Classes* for Seawolf Service Center hours of operation.

Fees and Debts Owed to the Institution

Should a student or former student fail to pay a fee or a debt owed to the institution, including tuition and student charges, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination

of the above from any person owing a debt" until the debt is paid (see Title 5, California Code of Regulations, Sections 42380 and 42381).

Prospective students who register for courses offered by the university are obligated for the payment of charges and fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student charges and fees including any tuition for the reservation of space in the course.

The institution may withhold permission to register or other services offered by the institution from anyone owing fees or another debt to the institution. The institution may also report the debt to a credit bureau, offset the amount due against any future state tax refunds due the student, refer the debt to an outside collection agency and/or charge the student actual and reasonable collection costs, including reasonable attorney fees if litigation is necessary, in collecting any amount not paid when due.

If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact Seawolf Services at (707) 664-2308. Seawolf Services will review all pertinent information provided by the person and available to the campus and will advise the person of its conclusions.

The institution may not withhold an official transcript of grades by the institution from anyone owing fees or another debt to the institution (see Title 1.6C.7 (commencing with Section 1788.90) Part 4 of Division 3 of the Civil Code). the institution can still charge a fee for the issuance of the transcript pursuant to their published transcript processing fees.

Fee Waivers and Exemptions

he California Education Code provides for the waiver of mandatory systemwide tuition fees as summarized below:

Section 66025.3 – Military

Dependent eligible to receive assistance under Article 2 of Chapter 4 of Division 4 of the Military and Veterans Code; child of veteran of the United States military who has a service-connected disability, has been killed in service, or has died of a service-connected disability, and meets specified income provisions; dependent, or surviving spouse who has not re-married of a member of the California National Guard who, in the line of duty, and while in the active service of the state, was killed, died of a disability resulting from an event that occurred while in the active service of the state, or is permanently disabled as a result of an event that occurred while in the active service of the state; and undergraduate student who is a recipient of a Medal of Honor, or undergraduate student who is a child of a recipient of a Medal of Honor who is no more than 27 years old, meets the income restriction and California residency requirement.

Foster Youth

Current or former foster youth who are 25 years of age or younger; have been in foster care for at least 12 consecutive months after reaching 10 years of age; meet one of the following: is under a current foster care placement order by the juvenile court, was under a foster care placement order by the juvenile court upon reaching 18 years of age, or was adopted, or entered guardianship, from foster care; completes and submits the Free Application for Federal Student Aid (FAFSA); maintains a minimum grade point average and meets the conditions necessary to be in good standing at the campus; and meets the financial need requirements established for Cal Grant A awards. The waiver of mandatory

systemwide tuition and fees under this section applies only to a person who is determined to be a resident of California pursuant to Chapter 1 (commencing with Section 68000) of Part 41 of the California Education Code.

Section 66602 – A qualifying student from the California State University who is appointed by the Governor to serve as Trustee of the California State University for the duration of his or her term of office.

Section 68120 –Surviving spouse or child of a deceased resident who was employed by a public agency, or was a contractor or an employee of a contractor, performing services for a public agency, and was killed or died as a result of an industrial injury or illness arising out of and in the course of the performance of his/her principal duties of active law enforcement or active fire suppression and prevention duties (referred to as Alan Pattee Scholarships). Additionally, a person who qualifies for the waiver under this section as a surviving child of a contractor or of an employee of a contractor, who performed services for a public agency, must have enrolled as an undergraduate student at the California State University and meet the applicable income restriction requirement with supporting documentation (i.e. his/her income, including the value of parent support, does not exceed the maximum household income and asset level for an applicant for a Cal Grant B award).

Section 68121 –A qualifying student enrolled in an undergraduate program who is the surviving dependent of any individual killed in the September 11, 2001, terrorist attacks on the World Trade Center in New York City, the Pentagon building in Washington, D.C., or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in Government Code Section 69432.7 for the Cal Grant A Program and either the surviving dependent or the individual killed in the attacks was a resident of California on September 11, 2001.

Students who may qualify for the above benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination.

The California Education Code provides for the following nonresident tuition exemptions:

Section 68075 - A student who is a member of the Armed Forces of the United States stationed in this state, except a member of the Armed Forces assigned for educational purposes to a state-supported institution of higher education, is entitled to resident classification only for the purpose of determining the amount of tuition and fees.

If that member of the Armed Forces of the United States who is in attendance at an institution is thereafter transferred on military orders to a place outside this state where the member continues to serve in the Armed Forces of the United States, he or she shall not lose his or her resident classification so long as he or she remains continuously enrolled at that institution.

Section 68075.7 –A nonresident student is exempt from paying nonresident tuition or any other fee that is exclusively applicable to nonresident students if the student (1) resides in California, (2) meets the definition of "covered individual" as defined in either: (A) Section 3679(c)(2)(A) or (B)(ii)(I) of Title 38 of the United States Code, as that provision read on January 1, 2017 or (B) Section 3679(c)(2)(B)(i) or (ii)(II) of Title 38 of the United States Code, as that provision read on January 1, 2017, and (3) is eligible for education benefits under either the federal Montgomery GI Bill-Active Duty program (30 U.S.C. § 3001 et seq.) or the Post-9/11 GI Bill program (38 U.S.C. § 3301 et seq.) as each read on January 1, 2017.

Section 68122 –A student who is a victim of trafficking, domestic violence, and other serious crimes who has been granted T or U visa status (respectively under Section 1101(a)(15)(T)(i) or (ii), or Section 1101(a)(15)(U)(i) or (ii), of Title 8 of the United States Code) shall be exempt from paying nonresident tuition to the same extent as individuals who are admitted to the United States as refugees under Section 1157 of Title 8 of the United States Code.

Section 68130.5 – A student, other than a nonimmigrant alien (8 U.S.C. § 1101(a)(15)), who is not a resident of California is exempt from paying nonresident tuition if the student meets the requirements of (1) through (4), below:

1. Satisfaction of the requirements of either subparagraph (A) or subparagraph (B):
 - a. A total attendance of, or attainment of credits earned while in California equivalent to, three or more years of full-time attendance or attainment of credits at any of the following:
 - i. California high schools.
 - ii. California high schools established by the State Board of Education.
 - iii. California adult schools established by a county office of education, a unified school district or high school district, or the Department of Corrections and Rehabilitation (subject to the class hours' requirement).
 - iv. Campuses of the California Community Colleges (subject to the credit requirements).
 - v. A combination of those schools set forth in clauses (i) to (iv), inclusive.
 - b. Three or more years of full-time high school coursework, and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of California elementary and secondary schools.
2. Satisfaction of any of the following:
 - a. Graduation from a California high school or attainment of the equivalent thereof.
 - b. Attainment of an associate degree from a campus of the California Community Colleges.
 - c. Fulfillment of the minimum transfer requirements established for the California State University for students transferring from a campus of the California Community Colleges.
3. Registration as an entering student at, or current enrollment at, an accredited institution of higher education in California not earlier than the fall semester or quarter of the 2001–02 academic year.
4. In the case of a person without lawful immigration status, the filing of an affidavit with the institution of higher education stating that the student has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.

Determination of Residency for Tuition Purposes

University requirements for establishing residency for tuition purposes are independent from those of other types of residency, such as for tax purposes, or other state or institutional residency. These regulations were promulgated not to determine whether a student is a resident or nonresident of California, but rather to determine whether a student should pay University fees on an in-state or out-of-state basis. A resident for tuition purposes is someone who meets the requirements set forth in the

Uniform Student Residency Requirements. These laws governing residency for tuition purposes at the California State University are California Education Code sections 68000-68085, 68120-68134, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900-41916. This material can be viewed on the Internet by accessing the California State University's website at www.calstate.edu/GC/resources.shtml.

Each campus's Admissions Office is responsible for determining the residency status of all new and returning students based on the Application for Admission, Residency Questionnaire, Reclassification Request Form, and, as necessary, other evidence furnished by the student. A student who fails to submit adequate information to establish eligibility for resident classification will be classified as a nonresident.

Generally, establishing California residency for tuition purposes requires a combination of physical presence and intent to remain indefinitely. An adult who, at least one full year prior to the residency determination date for the term in which enrollment is contemplated, can demonstrate both physical presence in the state combined with evidence of intent to remain in California indefinitely may establish California residency for tuition purposes. A minor normally derives residency from the parent(s) they reside with or most recently resided with. Nonresident students seeking reclassification are required to complete a supplemental questionnaire that includes questions concerning their financial dependence on parents or others who do not meet University requirements for classification as residents for tuition purposes. Financial independence is required, along with physical presence and intent, to be eligible for reclassification.

Evidence demonstrating intent may vary from case to case but will include, and is not limited to, the absence of residential ties to any other state, California voter registration and voting in California elections, maintaining California vehicle registration and driver's license, maintaining active California bank accounts, filing California income tax returns and listing a California address on federal tax returns, owning residential property or occupying or renting an apartment where permanent belongings are kept, maintaining active memberships in California professional or social organizations, and maintaining a permanent military address and home of record in California.

Nonresident students seeking reclassification are required to complete a supplemental questionnaire that includes questions concerning their financial independence. Financial independence is required, along with physical presence and intent, to be eligible for reclassification. Financial independence is established if in the calendar year the reclassification application is made and in any of the three calendar years preceding the reclassification application the student:

- has not and will not be claimed as an exemption for state and federal tax purposes by his/her parent;
- has not and will not receive more than seven hundred and fifty dollars (\$750) per year in financial assistance from his/her parent;
- and has not lived and will not live longer than six (6) weeks in the home of his/her parent.

A nonresident student who has been appointed as a graduate student teaching assistant, a graduate student research assistant, or a graduate student teaching associate on any CSU campus and its employed on a 0.49 or more time basis is exempt from the financial independence requirement.

Non-citizens establish residency in the same manner as citizens, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States. Unmarried minor non citizens derive

their residence in the same manner as unmarried minor citizens except that both parents and minor must have an immigration status consistent with establishing domicile in the United States.

Exceptions to the general residency requirements are contained in California Education Code sections 68070-68085 and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41906-41906.6, and include, but are not limited to, members of the military and their dependents, certain credentialed employees of school districts and most students who have attended three or more years of high school in California and graduated from a California high school or attained the equivalent of graduation. Whether an exception applies to a particular student cannot be determined before the submission of an application for admission and, as necessary, additional supporting documentation. Because neither campus nor Chancellor's Office staff may give advice on the application of these laws, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

Nonresident students seeking reclassification are required to complete a supplemental questionnaire that includes questions concerning their financial dependence on parents or others who do not meet University requirements for classification as residents for tuition purposes. Financial independence is required, along with physical presence and intent, to be eligible for reclassification.

Residency determination dates are set each term. They are:

Fall September 20

Spring January 25

Summer June 1

CalState TEACH operates on a trimester system. The residency determination dates for CalState TEACH are as follows:

Fall September 20

Spring January 5

Summer June 1

A student classified as a nonresident may appeal a final campus decision within 30 days of notification by the campus. Information on the appeal process may be found at

Determining California Residency. A campus residency classification appeal must be submitted via the InfoReady online Residence Appeal Form to the California State University Chancellor's Office at:

Residence Appeal Form

Appeals via email, fax and U.S. mail will not be accepted. A student with a documented disability that prohibits the student from submitting an appeal through the InfoReady site should contact Student Academic Services:

California State University

Attn: Student Academic Services
401 Golden Shore, 6th Floor
Long Beach, CA 90802-4210
Email: residencyappeals@calstate.edu

The Chancellor's Office will either decide the appeal or send the matter back to the campus for further review.

Students incorrectly classified as residents or incorrectly granted an exception from nonresident tuition are subject to reclassification as nonresidents and payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student is also subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations. A student previously classified as a resident or previously granted an exception is required to immediately notify the Admissions Office if the student has reason to believe that the student no longer qualifies as a resident or no longer meets the criteria for an exception.

Changes may have been made in the rate of nonresident tuition and in the statutes and regulations governing residency for tuition purposes in California between the time this information is published and the relevant residency determination date. Students are urged to review the statutes and regulations stated above.

Procedure for the Establishment or Abolishment of Campus-Based Mandatory Fees

The law governing the California State University provides that specific campus fees defined as mandatory, such as a student association fee and a student body center fee, may be established. A student association fee must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89300). The campus President may adjust the student association fee only after the fee adjustment has been approved by a majority of students voting in a referendum established for that purpose. The required fee shall be subject to referendum at any time upon the presentation of a petition to the campus President containing the signatures of 10 percent of the regularly enrolled students at the University. Student association fees support a variety of cultural and recreational programs, childcare centers, and special student support programs. A student center fee may be established only after a fee referendum is held which approves by a two-thirds favorable vote the establishment of the fee (Education Code, Section 89304). Once bonds are issued, authority to set and adjust student center fees is governed by provisions of the State University Revenue Bond Act of 1947, including, but not limited to, Education Code sections 90012, 90027, and 90068.

The process to establish and adjust other campus-based mandatory fees requires consideration by the campus fee advisory committee and a student referendum as established by Executive Order 1102, Section III. The campus President may use alternate consultation mechanisms if he/she determines that a referendum is not the best mechanism to achieve appropriate and meaningful consultation. Results of the referendum and the fee committee review are advisory to the campus President. The President may adjust campus-based mandatory fees but must request the Chancellor to establish a new mandatory fee. The President shall provide to the fee advisory committee a report of all campus-based mandatory fees. The campus shall report annually to the Chancellor a complete inventory of all campus-based mandatory fees.

For more information or questions, please contact the Budget Office in the CSU Chancellor's Office at (562) 951-4560.

Average Support Cost Per Full-time Equivalent Student and Sources of Funds

The total support cost per full-time equivalent student (FTES) includes the expenditures for current operations, including payments made to students in the form of financial aid, and all fully reimbursed programs contained in state appropriations. The average support cost is determined by dividing the total cost by the number of FTES. The total CSU 2016/17 budget amounts were \$3,169,425,000 from state General Fund (GF) appropriations and before adding \$36.8 million CalPERS retirement adjustment, \$1,685,885,000 from tuition fee revenue and after tuition fee discounts (forgone revenue), and \$528,555,000 from other fee revenues for a total of \$5,383,865,000. The 2016/17 resident FTES target is 361,644 and the nonresident FTES based on past-year actual is 22,552 for a total of 384,196 FTES. The GF appropriation is applicable to resident students only whereas fee revenues are collected from resident and nonresident students. FTES is determined by dividing the total academic student load (e.g. 15 units per semester) (the figure used here to define a full-time student's academic load).

Average Cost

2016-17	Amount	FTES	Percentage
<ul style="list-style-type: none"> State Appropriation (GF)¹ 	3,627,143,000	9,961	55.4%
<ul style="list-style-type: none"> Net Tuition Revenue³ 	2,479,020,000	6,380	35.5%
<ul style="list-style-type: none"> Other Fees Revenue³ 	639,084,000	1,645	9.1%
Total Support Cost	6,745,247,000	17,986	100%

¹Represents state GF appropriation in the Budget Act of 2018/19; GF is divisible by resident students only (364,131 FTES).

²Represents CSU Operating Fund, gross tuition and other fees revenue amounts submitted in campus August 2018/19 final budgets. Revenues are divisible by resident and nonresident students (388,547 FTES).

The average CSU 2018/19 academic year, resident, undergraduate student basic tuition and other mandatory fees required to apply to, enroll in, or attend the university is \$7,303 (\$5,742 tuition fee plus \$1,561 average campus-based fees). However, the costs paid by individual students will vary depending on campus, program, and whether a student is part-time, full-time, resident, or nonresident.

Selective Service

The federal Military Selective Service Act (the "Act") requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth birthdays. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959, may be required to submit a statement of compliance with the Act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law.

In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a Selective Service Registrar. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA), or the California Dream Application, be used to register them with the Selective Service. Information on the Selective Service System is available and the registration process may be initiated online.

Financial Aid

Financial Aid Office

Salazar Hall
707 664-2389
Fax 707 664-4242
finaid@sonoma.edu
<http://web.sonoma.edu/finaid>

By contacting the Financial Aid Office staff and accessing the office's website, students and their families can find out about federal and state financial aid programs and, if eligible, be awarded monetary assistance to meet the costs of attending Sonoma State University. The staff is committed to providing each applicant with timely and efficient customer service, as well as ensuring that students have access to current and accurate information about the steps and deadlines for completing the financial aid application process.

Financial Aid Programs

Financial aid can be in the form of grants, loans, employment, and scholarships. Students may receive assistance from the following programs:

Federal Aid

- Federal Pell Grants
- Federal TEACH Grants
- Federal Supplemental Educational Opportunity Grants
- Bureau of Indian Affairs Grants
- Federal Work Study (FWS)
- Federal Direct Student Loans
- Federal Direct Parent Loans for Undergraduate Students

State Aid

- Cal Grants A and B
- Middle Class Scholarship
- Child Development Teacher Grants
- Alan Pattee Scholarships
- Assumption Program of Loans for Education

- Graduate Assumption Program of Loans for Education
- Robert C. Byrd Honors Scholarships
- Educational Opportunity Program Grants
- Graduate Equity Fellowships
- State University Grant
- Professional Program Fee Grant

The Financial Aid Office has developed an informative and supportive website where students can find descriptions and specific eligibility requirements for the programs listed above. Students are encouraged to visit links provided on the website, to apply online, and to review the information about the California Student Aid Commission's programs and information about federal financial aid.

Application Procedures for California Dream Act

Students who qualify for the waiver of non-resident tuition under AB540 may be eligible for the State University Grant, Cal Grant, or Middle Class Scholarship. Please review the information available at the California Student Aid Commission's website, and complete the California Dream Act application available through their website. The priority deadline is March 2.

Please Note: Students who are eligible for federal financial aid must complete the Free Application for Federal Aid (FAFSA), as explained in the next section, not the Dream Act Application.

Application Procedures

All new and continuing financial aid applicants are required to complete and submit the Free Application for Federal Student Aid (FAFSA) or the California Dream Act application. By submitting this single application, applicants will be considered for most of the federal and state financial aid programs that are listed above (excluding BIA and non-FWS employment). New applicants for Cal Grants must also file a California Student Aid Commission GPA Verification Form by March 2. The FAFSA or California Dream Act application asks for confidential information about family income, assets, household size, etc., which is used by the Financial Aid Office to establish financial need and determine what aid, if any, the student is eligible to receive.

FAFSA Applicants

To help avoid errors and to speed up processing of your FAFSA, apply online at FAFSA. You (and your parent, if you will be required to report your parents' information) should also apply for a Federal Student Aid ID (FSAID) at Federal Student Aid ID (FSAID) so you can sign your FAFSA electronically.

California Dream Act Applicants

To help avoid errors and to speed up processing of your California Dream Act application, apply online at the California Student Aid Commission's website.

Apply as early after October 1 as possible. Those who apply in October or November will have first priority to the available funding. To be considered for priority filing and to apply for a new Cal Grant or Middle Class Scholarship you must file your application by March 2.

The Financial Aid Office expects the student and the student's family to make every effort possible to finance the student's education. Students who do not meet the federal/state definition of financial

independence from their parents must provide parental financial data. This information, in addition to the student's own resources, will be taken into consideration when determining a student's eligibility for the various aid programs administered by the University. The student's financial need is determined by subtracting those resources available for education from a standard student budget.

It is toward meeting this need—the difference between costs and resources—that financial aid is directed. Generally, the need is met by a "package"—loan, scholarship, employment, and/or grant. Notification of aid for the following year is sent to each applicant once the FAFSA or California Dream Act application has been received. This process usually begins in late March for newly admitted students and in mid-June for continuing students.

Questions regarding a student's eligibility or types of financial aid offered should be directed to the Financial Aid Office. Contact hours, phone numbers, and email addresses are available on the Financial Aid Office website.

Financial Aid Appeals

Students have the right to appeal their financial aid award or any other financial aid decision that they feel affects them adversely and that falls outside of the jurisdiction of federal, state, or Chancellor's Office regulations. This right includes answers to questions, explanations of financial aid policies and procedures, and a request for reconsideration. The initial appeal is made to the student's Financial Aid Representative. After subsequent review by the Director of Financial Aid, the student's case may ultimately be presented to the Financial Aid Advisory Committee.

Scholarship Programs

Scholarship Contact Information

Salazar Hall 1000
(707) 664-2261
scholarships@sonoma.edu
<http://web.sonoma.edu/scholarships>

University Scholarship Program

The University Scholarship Program at Sonoma State is made possible through the generous support of individuals, businesses, and organizations who recognize the outstanding contributions made by the University and its graduates.

Any incoming degree seeking student planning to attend Sonoma State University full-time beginning in the fall semester, whether entering or continuing, is eligible to apply. Application to, acceptance by, or enrollment in the University is required.

Most University scholarships are awarded on the basis of an applicant's academic record and overall achievements without special consideration of financial need. A minimum cumulative GPA of 3.00 on a 4.00 point scale is required. Students with a GPA of 3.5 or higher are most competitive in our program.

Applications of candidates are reviewed by the University Scholarship Committee. The committee asks each applicant to submit an essay, in addition to the basic scholarship application form.

Scholarship applications are available beginning November 1 each year. Applications and required materials are due February 1 of the application year. Students interested in applying for any of the awards offered through the University Scholarship Program may visit the scholarship office website.

Questions about the scholarship program may be sent to scholarships@sonoma.edu or by calling (707) 664-2261.

Alan Pattee Scholarships

Children and spouses of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of law enforcement or fire prevention or suppression duties are not charged mandatory tuition fees (tuition fee and application fee) at any California State University campus, according to the Alan Pattee Scholarship Act, Education Code, Section 68120. Students qualifying for these benefits are known as Alan Pattee scholars. For more information, contact the Office of Admissions for an eligibility determination.

Departmental and Athletic Scholarships

Many departments at SSU offer scholarships to students within their majors. Athletic scholarships are also given. Contact your department or respective coach for more information.

External Scholarships

Community, social and service groups, employers, churches, and other organizations often provide scholarships. Applicants should check with their high school counselors or local foundations and community groups for more information.

Note: Receipt of any scholarship may affect eligibility for certain financial aid. Recipients should check with the Financial Aid Office to determine their options.

Additional Work Opportunities

Employment is generally available in Sonoma County and the surrounding University service area to students with ability and initiative. The Career Center can be helpful in referring interested students to part-time job opportunities. Please see the Career Center website for more information.

Availability of Institutional and Financial Assistance Information

The following information concerning student financial assistance may be obtained from the Director of Financial Aid, Salazar 1000, (707) 664-2389:

A description of the federal, state, institutional, local, and private student financial assistance programs available to students who enroll at Sonoma State University;

For each aid program, a description of procedures and forms by which students apply for assistance, student eligibility requirements, criteria for selecting recipients from the group of eligible applicants, and criteria for determining the amount of a student's award;

A description of the rights and responsibilities of students receiving financial assistance, including federal Title IV student assistance programs, and the criteria for continued student eligibility under each program;

The satisfactory academic progress standards that students must maintain for the purpose of receiving financial assistance and criteria by which the student who has failed to maintain satisfactory progress may reestablish eligibility for financial assistance;

The method by which financial assistance disbursements will be made to students and the frequency of those disbursements;

The way the school provides for Pell-eligible students to obtain or purchase required books and supplies by the seventh day of a payment period and how the student may opt out;

The terms of any loan received as part of the student's financial aid package, a sample loan repayment schedule, and the necessity for repaying loans;

The general conditions and terms applicable to any employment provided as part of the student's financial aid package;

The terms and conditions of the loans students receive under the Direct Loan Program;

The exit counseling information the school provides and collects for student borrowers; and contact information for campus offices available for disputes concerning federal, institutional and private loans.

Information concerning the cost of attending Sonoma State University is available from the Seawolf Service Center, Salazar 1000, (707) 664-2308, and includes mandatory registration charges and tuition (where applicable); the estimated costs of books and supplies; estimates of typical student room, board, and transportation costs; and, if requested, additional costs for specific programs.

Information concerning the refund policies of Sonoma State University for the return of unearned tuition and charges or other refundable portions of institutional charges is available from the Seawolf Service Center, Salazar 1000, (707) 664-2308.

Information concerning policies regarding the return of federal Title IV student assistance funds as required by regulation is available from the Director of Financial Aid, Salazar 1000, (707) 664-2389.

Information regarding special facilities and services available to students with disabilities may be obtained from the Director, Disability Services for Students, Schulz 1014a, (707) 664-2677.

Information concerning Sonoma State University policies, procedures, and facilities for students and others to report criminal actions or other emergencies occurring on campus may be obtained from the University Police, located in Verdot Village, (707) 664-4444.

Information concerning Sonoma State University Annual Campus Security Report and Annual Fire Safety Report may be obtained from the University Police, located in Verdot Village, (707) 664-4444.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from the Vice President for Student Affairs, Student Center 3021, (707) 664-2838.

Information regarding student retention and graduation rates at Sonoma State University and, if available, the number and percent age of students completing the program in which the student is enrolled or has expressed interest in may be obtained from the Director, Reporting and Analytics, Stevenson 1024, (707) 664-3350.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that Sonoma State University dedicates to its men's and women's teams may be obtained from the Senior Director of Intercollegiate Athletics, P.E. 21, (707) 664-2521.

Information concerning teacher preparation programs at Sonoma State University, including the pass rate on teacher certification examinations, may be obtained from the Dean, School of Education, Stevenson 1078, (707) 664-3115.

Information concerning grievance procedures for students who feel aggrieved in their relationships with the University, its policies, practices, procedures, or its faculty and staff, may be obtained from the Vice President for Student Affairs, Student Center 3021, (707) 664-2838.

Information concerning student activities that Sonoma State University provides, must be easily accessible on Student Resources.

Information concerning student body diversity at Sonoma State University, including the percentage of enrolled, full-time students who are (1) male, (2) female, (3) Pell Grant recipients, and (4) self-identified members of a specific racial or ethnic group, must be obtained at <http://www.sonoma.edu/about/diversity>.

The federal Military Selective Service Act (the "Act") requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth birthday. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959, may be required to submit a statement of compliance with the Act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law. In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a Selective Service Registrar. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA) be used to register them with the Selective Service. Information on the Selective Service System.

Regulations and Policies

Academic Regulations

Office of the Registrar
Salazar Hall 2030
(707) 664-2778

Changes in Rules and Policies

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the Chancellor or designee of the California State University, or by the President or designee of the campus. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the Chancellor of the California State University, or the President of the campus. The Trustees, the Chancellor, and the President are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the campus or the California State University. The relationship of students to the campus and the California State University is one governed by statute, rules, and policy adopted by the Legislature, the Trustees, the Chancellor, the Presidents and their duly authorized designees.

Registration and Enrollment

You must be either a continuing student or an admitted applicant who has paid their Enrollment Reservation Deposit (ERD) in order to be eligible for registration. You are a continuing student if you registered for one or both of the previous two semesters (summer and intersession excluded). Continuing student status will be lost if you earned your bachelor's degree, were academically disqualified, or were separated from the University for 2 semesters or more without being on an approved Leave of Absence.

New students must confirm their intention to enroll at Sonoma by paying an Enrollment Reservation Deposit (ERD). Information will be sent at the time of admission about the deposit. All eligible continuing students and all admitted applicants who have paid the deposit will be sent registration notifications at least one week prior to registration with the exception of first-time freshmen who register during summer orientation. This registration notification will provide a link to the Registration website, which will include information about advising, registration appointment times, important dates, and procedures for registering.

The best source for registration information is the Admissions and Records website. The Schedule of Classes is available on our online Student Information System (MySSU) and is updated in real time. A PDF version of the Schedule of Classes is published electronically each semester.

Registration

All students at Sonoma State University register online. Students will find online registration through MySSU quick and easy. Carefully read all of the registration information on the Admissions and Records website to make the registration process even simpler.

User ID and Password

Access online registration requires the entry of your Seawolf User ID and password. Information on how to obtain your user ID and password can be found at the Admissions and Records website.

Registration Fee Payment Deadline

The Seawolf Service Center website publishes the fee schedule and payment due dates. Students who fail to pay their fees by the registration fee deadline will be dropped from their classes. Credit will not be granted in any course unless all registration procedures are completed and fees are paid.

Information for Students Using Vocational Rehabilitation and Employment Benefits (CH31) or Post 9/11 G.I. Bill® (CH33)

A student using Vocational Rehabilitation and Employment benefits (CH31) or Post-9/11 G.I. Bill® (CH33) will be allowed to enroll in and attend courses and access campus facilities while the campus awaits payment for tuition and fees from the VA. While awaiting receipt of funds from the VA, Sonoma State University will not impose any penalty, charge late fees or require an eligible student to borrow additional funds to cover tuition or fees. This waiting period begins the date the student provides appropriate documentation and continues either until funds are received from the VA or until 90 days after the School Certifying Official has certified the student's enrollment for tuition and fees.

To demonstrate current eligibility and intent to use Chapter 31 or 33 benefits, a student must provide the following documents:

- VA Form 28-1905 (Authorization and Certification of Entrance or Reentrance into Rehabilitation and Certification of Status); **or**
- Certificate of Eligibility (COE) or Education Enrollment Status form (printed from the VA website).
- A written request to use either VA Vocational Rehabilitation or Post 9/11 G.I. Bill benefits; and
- All additional information requested by the School Certifying Official to properly certify enrollment to the VA.

For more information regarding this policy, contact your School Certifying Official, Julia Ibañez at julia.ibanez@sonoma.edu

or (707)664-3173.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site.

Holds

Be sure to clear any holds before registration. Depending on the nature of the hold, access to registration may be blocked, and the student may miss his or her registration appointment. You can view your holds online. For additional information about a financial hold, contact the Seawolf Services Center. For non-financial holds, contact the office that placed the hold.

Categories of Enrollment

With the exception of first-time freshmen who register at Summer Orientation, appointments are assigned by class level in descending order of units earned. The order is:

Status	Units Completed
Classified Graduate and Credential	n/a
Senior	90+
Junior	60-89
Sophomore	30-59
Freshman	0-29
Unclassified Graduate Students	N/A

SSU reserves the right to give priority registration appointments to certain populations of students approved by the Academic Senate.

Academic Load

A minimum of two hours preparation for each hour of regular class work should be expected; in upper-division and graduate-level courses, additional time may be required.

Undergraduate students who need to be registered full-time should note that 12 units is the minimum load to qualify for full-time status. At no time can a student take more than 23 units.

The maximum academic load recommended for graduate students is 12 units.

Graduate students officially accepted into master's degree programs who are taking classes that are part of their approved plan of study and need to be registered full-time should note that 8 units is the minimum load to qualify for full-time status. Other postbaccalaureate students (e.g. Credential, unclassified, etc.) follow the same rules as Undergraduate students.

Add/Drop

You can adjust your schedule by adding or dropping courses during the registration periods as noted by the Add/Drop deadline posted on the Academic Calendar. After that, students will have approximately two weeks (until Census date) to petition to late add a class/es. A petition form and fee are required.

You may only add a class if space is available online and you have successfully added the class to your schedule. Sitting in a class is not equivalent to enrollment in a class and you will not receive credit for the class. You should stop attending and schedule to retake it in a future semester.

Withdrawal from Courses

In accordance with CSU Executive Order No. 1037, it is the policy of Sonoma State University that:

1. **Dropping a Course**

Students may drop a course (or courses) online and without penalty until the drop deadline (check Academic Calendar).

2. **Withdrawal from a Course or Courses after the Drop Deadline**

A. **Unit Limit for Withdrawal from Courses:** Undergraduate students may withdraw from no more than 18 total semester units of coursework attempted at Sonoma State University. Withdrawals for "serious and compelling" reasons, which are documented and approved according to the procedures below, will not count toward the maximum of 18 semester units. For more specific information, please visit the Withdraw website

3. **Retroactive Withdrawal**

After the last day of instruction, students may petition to retroactively withdraw from an entire semester if there are "serious and compelling" reasons for such a withdrawal. The student must file a petition, which must be accompanied by documentation of the "serious and compelling" reasons. The petition must also be supported by the student's department advisor or by an academic advisor if the student is undeclared. The Registrar and the University Standards Committee have the final authority to approve or deny such petitions. Students may withdraw from a single course retroactively if and only if there are "serious and compelling" reasons affecting a single course (such as being unable to finish a PE course due to a broken leg). Retroactive withdrawals for "serious and compelling" reasons will not count against the maximum number of units in Section II, A above.

4. **Documentation**

All petitions for withdrawal after census date must be accompanied by documentation of the "serious and compelling" reasons for withdrawal. Documentation may include: verification of accident or illness (such as a letter from the treating physician or copies of medical bills); a letter from a licensed counselor; death certificate; employer verification of change of work status; and other like documentation as appropriate.

Cancellation of Registration or Withdrawal from the Institution

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow the university's official withdrawal procedures. Failure to follow formal university procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in

another academic term. Information on cancelling registration and withdrawal procedures is available from Admissions & Records Salazar Hall 2030, (707) 664-2778.

Students who receive financial aid funds must consult with the Financial Aid Office prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

Information concerning the refund of fees due to complete withdrawal from the University may be obtained from Seawolf Services.

Students who are living in Student Housing must consult with the Director of Housing to make arrangements to vacate.

Leave of Absence

The Leave of Absence allows for leaves of one or two semesters. Continuing students can file a leave form with the Office of Admissions and Records indicating the duration of the leave (1 or 2 semesters only) within the first two weeks of the first semester of the requested leave. Students must file a leave form to be eligible for enrollment in the subsequent semesters. New students may not request a Leave for the first semester of enrollment at the University.

A Leave request for health reasons needs to be completed with the appropriate signatures. Documentation from a licensed State of California health professional will normally be required.

A leave for educational reasons permits a student to be absent from regular attendance for one or two terms while maintaining continuing enrollment status. Applicants must have an intention to return to formal study within a specified period and plan for how the time is to be spent in relation to an educational objective.

For students who are on a leave of two semesters, you must participate in registration for the term you are returning for in order to maintain enrollment eligibility. For students returning in a Fall semester, you must register in April. For students returning in a Spring semester, you must register in November. Students failing to register will have their continuous enrollment eligibility cancelled and will need to reapply for admission.

Continuing Student Status

Once you enroll, pay fees, and attend classes at Sonoma State University, you will be in "continuing student status" for the current and subsequent semester. Reapplication to SSU is required if you take a leave of two semesters and are not on an approved Educational Leave of Absence; if you graduate with a baccalaureate from this or any other institution; or if you are a newly admitted student who enrolls, pays registration fees, and then withdraws before Census day, which is the 20th day of the semester.

The term "student" means any person taking courses at a campus, both full-time and part-time, including summer session, special session, and Extended Education.

Continuing: Student is enrolled in regular programs in one or both of the previous two semesters (summer and intersession excluded) or is resuming studies after an approved Educational Leave of Absence of no more than two consecutive semesters.

New: Student who is registering in a regular term for the first time.

Former: Student who has not registered in two previous consecutive semesters (summer and intersession excluded).

Readmitted: Student who previously attended SSU, broke continuous enrollment status, reapplied, and is readmitted to SSU in a regular program.

State-support matriculated students are permitted to enroll concurrently in SSU self-support courses and pay self-support fees when enrolling voluntarily in self-support courses. Students who have applied and been admitted to the University but who do not pay fees or enroll in state-support University Courses, or who have been disqualified for either academic or administrative reasons are also not eligible to enroll in self-support courses. There will be no exceptions to this policy. Self-support students admitted in state-support classes (through Open University) shall receive the same credit as they would receive in matriculated classes. Concurrent enrollment of self-support students in state-support classes does not constitute admission to the University; nor does it entitle them to student services available to state-support matriculated students with the exception of library privileges. Additional information is available at the Office of the School of Extended and International Education.

CSU Concurrent Enrollment

SSU students wishing to enroll concurrently at SSU and any of the other 23 California State University campuses must request permission to do so from the Office of Admissions and Records. Concurrent enrollment within the California State University system is limited to students who have completed a minimum of 12 units at SSU, have a minimum 2.0 grade-point average (3.0 for post-baccalaureate students), are in good academic standing and have paid fees at SSU for 7 units or more regardless of the total number of units earned at both campuses. Concurrent Enrollment is subject to space availability and registration priority policies at the host campus.

Conditions for Enrollment - Outgoing SSU Students

- Approval is subject to space availability, registration priority policies and deadlines of the host campus, academic advisement is available only through SSU.
- Overlap in academic terms may not be possible. Check with the host campus.
- Students may be required to provide proof of completion of prerequisites.
- Financial aid is only available through SSU.

Course Match Registration CSU Online Concurrent Enrollment

You now have access to more online courses at other CSU's. To participate in this program, you must meet the following qualifications:

1. Completed at least one term at SSU as a matriculated student and earned at least 12 units here,
2. Earned at least a 2.0 at SSU and are in good standing,
3. Enrolled at SSU during the period of concurrent enrollment, and

4. Paid tuition/fees as a full-time student (7 or more units)

Students are eligible to take one course at one school per semester.

Visitor Enrollment within the CSU (Outgoing SSU students)

Students enrolled at SSU may apply to transfer temporarily to another CSU campus in Visitor status, if they have (1) completed 12 units at home campus, (2) have earned at least a 2.0 cumulative GPA at the home campus, (3) are in good academic standing at the home campus, and (4) are eligible to register under continuing status at the home campus. Approval for visitor enrollment is valid for one term only and is subject to the host campus policies including application deadlines, space availability, and registration priority. Details and Visitor Enrollment Applications are available at the Office of Admissions and Records. Students from other CSU campuses seeking visitor status at SSU must also contact their home registration office for additional information.

Graduate students must have (1) completed one semester at SSU, (2) have earned at least a 3.0 cumulative GPA at SSU, and (3) be in good academic standing.

Conditions for Enrollment - Outgoing SSU students:

- Students will be approved for Visitor Enrollment for one term only,
- Approval is subject to space availability, registration priority policies and deadlines of the host campus, academic advisement is available only through SSU,
- Overlap in academic terms may not be possible. Check with the host campus,
- Students may be required to provide proof of completion of prerequisites, and
- Financial aid is available only through SSU.

Enrolling at SSU from Other Institutions

Check your home campus for their eligibility requirements and procedures.

Visitor and Concurrent Enrollment (Incoming Students)

- Approval is subject to space availability, SSU registration priority policies and SSU deadlines.
- Academic advisement is available only through the home campus.
- Overlap in academic terms may not be possible.
- Students will be required to provide proof of completion of prerequisites to the academic department of the course requested.
- Financial aid is available only through the home campus.

In addition to meeting the above conditions, students must satisfy the following CSU criteria at their home campus:

- Have earned at least 12 units.
- Have a 2.0 GPA
- Be in good academic standing.
- Be eligible to register under continuing students status.
- Have paid fees (Concurrent students only).

Concurrent Enrollment is allowed for more than one term, however, students must submit a new Intrasystem Application form for each term of concurrent enrollment. Approval for Visitor enrollment is valid for one (1) term only.

Cross Enrollment (Outgoing Students)

The Cross Enrollment Program is designed to enhance the educational experience of California students by providing them with increased access to courses offered by campuses of other public higher education institutions. Students may speed progress toward meeting degree requirements by investigating course availability at campuses of other systems when they are unable to gain access to required courses at their home campus or are unable to find a course offered at a convenient time. Cross enrollment also expands educational horizons by providing students with opportunities to explore disciplines not offered by the home campus. Cross enrollment opportunities are subject to host school availability.

CSU full-time undergraduate students have an opportunity to enroll without formal admission and without payment of an additional State University Fee in one course each academic term at a campus of the University of California or at participating campuses of the California Community Colleges. The Cross Enrollment Program is open to California residents enrolled for a minimum of six units, who have completed at least one term at their home campus, and who have a cumulative grade point average of at least 2.00. Eligibility for enrollment in a course offered by another segment is based on available space and appropriate academic preparation for the course as determined by the host campus. Although the host campus will not require the regular course fee, a discounted administration fee may be assessed for each term, and students are expected to pay any course-related fees (lab, materials, computer use, etc.).

Sonoma also offers cross-registration for undergraduate students with the University of California. For more information, contact the Office of Admissions and Records, Salazar Hall 2030.

Cross Enrollment (Incoming Students)

To attend SSU through the Cross-Enrollment program:

- Obtain an Application for Cross-Enrollment and appropriate approvals from your home campus.

At SSU:

- Obtain registration information and signatures from the appropriate SSU instructor. Attend the first class session and ask the instructor if there is space available to enroll through cross enrollment; if so:
- Follow instructions for adding a class and obtain required approvals.
- Submit the approved Application for Cross Enrollment, and \$10 fee to Admissions and Records by the deadlines that are published on our website.
- Approved Cross-Enrollment requests are processed on a space available basis.

Veterans Services

www.sonoma.edu/veterans

Serves student Veterans and dependents of Veterans through the Federal VA and California CalVet programs. Students in the Federal VA program must provide Certificate of Eligibility and submit current enrollment information prior to first semester. Students in the CalVet program must submit the College Fee Waiver Authorization prior to each academic year.

ROTC Programs (Reserve Officer Training Corps)

military.berkeley.edu

ROTC is a training program that prepares college students to become officers in the U.S. Army, Navy, or Air Force. Sonoma State University students wishing to pursue ROTC training may do so by participating in ROTC programs offered at the University of California at Berkeley. For more information on enrollment requirements, procedures, and

scholarship information, visit the website listed above.

Provisional Unclassified Graduate Credit for Senior Students

Students who plan to complete upper-division or graduate-level courses in their final semester may petition for provisional unclassified graduate credit for such courses. Courses required for the baccalaureate will not be granted this provisional status. The petition must be filed at the same time as the application for award of the degree. Teaching credential candidates should consult the Education Department regarding the advisability of such a petition.

Provisional unclassified post-baccalaureate credit can only be granted for upper-division and graduate-level courses in the semester prior to graduation and will be recorded in the student's academic record as earned prior to the award of the baccalaureate. Such credit is applicable to graduate objectives at the discretion of the relevant academic department. Should requirements for the baccalaureate not be completed by the date specified on the application, the petition for postbaccalaureate credit becomes null and void.

Special Studies Courses

The University makes arrangements through Special Studies 495 and 595 for advanced or exceptionally talented students who want to pursue academic interests beyond the scope of the regular curriculum. Such course work is subject to the following conditions and restrictions:

1. Special studies courses are limited to upper-division students who have a) a cumulative GPA of 3.00 or better, and b) an appropriate background for undertaking the proposed topic.
2. Special studies are confined principally to on-site academic study and research projects (see internship and research assistant credit courses for other kinds of credited course work).
3. No more than 8 units of special studies work — with a maximum of 4 units per course — may be taken in any department.
4. No more than 12 units of special studies may count toward the baccalaureate.
5. Special studies may not duplicate a course that is listed in the catalog and that is normally offered within a two-year period.
6. Meetings between instructor and student should be scheduled at intervals appropriate to the topic and the number of units assigned.

7. Each unit of credit requires a minimum of 45 hours of academic work.
8. Approval for registration must be obtained from the advisor, instructor, department chair, and dean.

Declaring or Changing a Major

Enrolled SSU undergraduate students in good standing may, with prior departmental approval, change their major. A Change of Major form must be submitted to the Office of Admissions and Records with the appropriate departmental approvals. Students should contact their intended department for major change requirements and change of major periods. The same rules apply to adding or changing a minor.

Catalog Year Requirement

Undergraduate students remaining in continuous attendance and continuing in the same major at Sonoma, at any other California State University, or in any California community college, or any combination of California community and state colleges may elect to meet the Sonoma graduation requirements in effect at the time of their entering the major or at the time of their graduation from Sonoma. Substitutions for discontinued courses may be authorized or required by the proper campus authorities. The continuous attendance policy allows interruptions in enrollment so long as the student is enrolled at least one semester or two quarters each calendar year.

Auditing

At Sonoma State, auditing is an informal arrangement between an auditor and a faculty member. With the permission of the instructor and if space is available, an auditor may attend a course on an informal basis. The auditor and the instructor must agree upon the extent to which the auditor will participate, and whether the auditor's work will be required and evaluated. Students do not register for these classes and no official records are maintained of these informal audits.

Transcripts of SSU Courses

Students may obtain transcripts of their Sonoma State University records from the Office of Admissions and Records only upon written request. Include your name, date of birth, Social Security number or SSU ID number, the dates you attended SSU, where you wish the transcripts mailed, and any special instructions (e.g., hold for degree or grades). All transcript requests must include a signature. The University reserves the right to withhold issuing the transcript of any student not in good financial standing with the University. Transcripts may be ordered by mail, or by fax, at (707) 664-2060. There is no charge for SSU transcripts. Please allow 5-10 business days for processing.

Credit Hour

As of July 1, 2011 federal law (Title 34, Code of Federal Regulations, sections 600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. For all CSU degree programs and courses bearing academic credit, the "credit hour" is defined as "the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of

credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or

2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practicals, studio work, and other academic work leading to the award of credit hours."

A credit hour is assumed to be a 50-minute period. In courses in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

Grading

Identification of Grades

The University uses a combination of traditional and nontraditional grading options, as follows:

Traditional Grades (A, B, C, D, F)

Letters A, B, C, and D are passing grades; F means failure. Additional + (plus) and - (minus) supplements add or subtract 0.30 grade points per unit. These apply to the A, B, C, and D grades; there is no A+.

Nontraditional Grades (Cr/NC)

Credit (Cr) may be awarded in undergraduate classes (499 and below) for work equivalent to a letter grade of C- or better, and for graduate-level classes (500) for work equivalent to a B- or better. NC, indicating No Credit, is given for work equivalent to D+ and below for undergraduate classes and C+ and below for graduate-level classes.

In classes in which there is an option between traditional and nontraditional grading modes, the mode must be declared using Web Registration by Census day. (See www.sonoma.edu/admissions/filing.html or the appropriate Schedule of Classes for instructions.) Undergraduate students may count a maximum of 24 units of Cr (credit) grades toward their undergraduate degree.

Only courses graded A-F may be applied toward major and minor requirements, except for courses not available in the A-F mode. Thus, a course taken Cr/NC when the alternative is available can be counted only as an elective or toward the general education requirements. This provision is enforced only when the student applies for graduation rather than upon each class enrollment. Students taking more than the maximum number of Cr units will be required to complete more than the minimum number of units required for the degree.

All non traditionally graded units earned at other institutions that have been accepted for transfer will be accepted toward the bachelor's degree. If fewer than 24 such units are transferred, they will count toward the 24-unit limit. If 24 or more such units have been accepted, no additional Cr/NC course may be taken unless it is offered Cr/NC only and is required for the major.

All lower-division general education units earned in the Hutchins School will be acceptable for graduation, irrespective of their number, up to the 48 units that constitute the Hutchins School general education program. A student who completes at least 24 Cr/NC units in the Hutchins School general education program may not take other Cr/NC courses unless the units are earned in a course that is available only on a Cr/NC grading basis and is required for the major. Graduate students may, at the

discretion of the department, take up to one-third of the total units applied to their master's degree in a nontraditional grading mode. Each department will designate those courses that may be graded only in the Cr/NC mode.

Definitions of Grading Symbols

The accompanying grade chart indicates grade symbols and their numerical equivalents for evaluating coursework. In addition, more complete definitions of administrative grades are provided.

Grade Description		Quality Points
A	Outstanding	4.0 per unit value of course
A-		3.7 per unit value of course
B+		3.3 per unit value of course
B	Very Good	3.0 per unit value of course
B-		2.7 per unit value of course
C+		2.3 per unit value of course
C	Average	2.0 per unit value of course
C-		1.7 per unit value of course
D+		1.3 per unit value of course
D	Barely Passing	1 per unit value of course
D-		0.7 per unit value of course
F	Failure	0 per unit value of course
Cr	Credit	Not applicable
NC	No Credit	Not applicable
I	Incomplete	Not applicable
IC	Incomplete Charged	0 per unit value of course
RP	Report in Progress	Not applicable
W	Withdrawal	Not applicable
WU	Withdrawal Unauthorized	0 per unit value of course
RD	Report Delayed	Not applicable

PRV Provisional Graduate Credit Not applicable

Incomplete (I)

The symbol "I" indicates that a portion of required course work has not been completed and evaluated in the prescribed time period due to unforeseen, but fully justified, reasons and that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the attention of the instructor and to determine from the instructor the remaining course requirements that must be satisfied to remove the Incomplete. A final grade is assigned when the work agreed upon has been completed and evaluated.

An Incomplete shall be converted to the appropriate grade within one year following the end of the term during which it was assigned. Where campus policy requires assignment of final grades on the basis of numerous demonstrations of competency by the student, it may be appropriate for a faculty member to submit a letter grade to be assigned in the event the Incomplete is not made up within one year. If the Incomplete is not converted within the prescribed time limit, it shall be counted as a failing grade in calculating grade point average and progress points unless the faculty member has assigned a grade in accordance with campus policy.

Incomplete Charged (IC)

This limitation prevails whether or not the student maintains continuous enrollment. Failure to complete the assigned work will result in an "I" being converted to an "IC" symbol, unless the faculty member assigns a specific letter grade at the time the Incomplete is assigned, which would replace the "I" in the student's record at the end of the calendar year deadline. If the Incomplete is not converted within the prescribed time limit, it shall be counted as a failing grade (if the course was registered as a graded course) in calculating grade point average and progress points unless the faculty member has assigned a grade in accordance with campus policy. If the course was registered as CR/NC, a NC will be assigned as the final grade.

Repeat (RPT) (inactive as of Spring 2011)

The "RPT" grade indicates course has been approved as repeat. Units are not used in calculation of grade point. Repeated courses are noted on the transcript as either, replaced or averaged.

Report in Progress (RP)

The "RP" symbol is used in connection with Graduate level courses that extend beyond one academic year. It indicates that work is in progress but that assignment of a final grade must await completion of additional work. Work is to be completed within one year except for graduate degree theses.

Enrollment for more units of credit than the total number of units that can be applied to the fulfillment of the student's educational objective is prohibited. Work is to be completed within a stipulated time. This may not exceed two years, but may not exceed the overall time limit for completion of all master's degree requirements. Any extension of time limits must receive prior authorization by the Associate Vice President for Academic Programs and Graduate Studies.

Report Delayed (RD)

The "RD" symbol is an administrative grade used when a grade has not yet been determined for the student or has been delayed in the grade reporting process and is not used in calculating grade point average.

Withdrawal (W)

"W" indicates that the student withdrew from the course after the end of the add/drop period. It carries no connotation of quality of student performance and is not used in calculating grade point.

Withdrawal Unauthorized (WU)

The symbol "WU" indicates that an enrolled student did not formally withdraw from the course and failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade point average and progress point computation, this symbol is equivalent to an "F."

Credit (Cr)

"CR" grades are not included in the calculation of grade point average.

No Credit (NC)

"NC" grades are not included in the calculation of grade point average.

Grade Reporting

Grades for Fall and Spring semesters are posted one time per semester in batch. Once grades are posted, they will be available to view online. If a clerical or procedural error in the reporting of a grade by the instructor can be documented, you may request a change of grade with the instructor. It is preferred that the request be made by the 2nd week of the following semester. Summer and winter-session grades are posted by the School of Extended & International Education. **No changes to the permanent record will be permitted after a degree has been awarded.**

Dean's List

Undergraduate students who earn at least a 3.50 GPA in a minimum of 12 units of letter-graded work will be awarded Dean's List recognition. Courses taken from Extended Education or credit by examination will not be included in this calculation. Only the grades for one semester will be used in the computation of the GPA for purposes of granting this recognition.

Academic Records

Student academic records are maintained by the Office of Admissions and Records. These records are considered confidential and, while available to faculty members for advising purposes, the information contained is subject to very strict control. Parents of minor students have authorized access to the academic records of their children. All other persons requesting access to academic records, including governmental investigators and parents of students 18 years old or older, must have the student's written permission.

A student's permanent academic record cannot be changed except where an error in recording has occurred or by approval of the proper University authority. Records will not be changed once a degree has been awarded.

Individuals may have access to their official records by appointment with the Office of Admissions and Records. Records of work done at other institutions cannot be copied; students' files will be kept for no more than five years after the semester last attended.

Diplomas

After students apply for graduation they can go into their MySSU account and review/edit their diploma name and address. The name must be legally and verifiably their own as it appears on an appropriate form of identification, such as a driver's license or Social Security card. Family names and nicknames cannot be used. The policy applies for reissued diplomas and certificates as well.

Diplomas are mailed approximately ten to twelve weeks after the graduation date so be sure you adjust for this when changing or modifying your diploma address. A replacement copy of a lost diploma may be purchased for \$10.

Scholastic Status

Grade point average (GPA), used as a measurement of satisfactory scholarship, is calculated by dividing the number of grade points by the number of units attempted for the grades of A, B, C, D, F, WU, and IC. CR and NC are not used in this calculation.

Academic Standing

Academic standing refers to the quality of a student's academic work at the University. Academic Standing is calculated for all college units attempted (cumulative GPA) and for all units attempted at Sonoma State University (resident GPA). Students falling below acceptable standards are placed on academic probation and become subject to academic disqualification should the quality of their academic work not improve to meet minimum standards.

Good Standing

Undergraduate students who have maintained satisfactory scholarship with at least a 2.00 cumulative grade point average and their SSU resident GPA are in good standing. Graduate and Credential students who have maintained satisfactory scholarship with at least a 3.00 cumulative grade point average are in good standing.

Academic Probation and Academic Disqualification

Academic Standing is computed twice a year - once at the end of the Spring semester, and once at the end of the Fall semester. There are two probationary and disqualification statuses to which students may be subject to: academic or administrative. Grade changes made after the running of academic standing will not be reflected until academic standing is run following the next regular graded semester.

Academic Probation

An undergraduate student is subject to academic probation if at any time the cumulative grade point average in all college work attempted or cumulative grade point average at the campus where enrolled falls below 2.0 (Title 5. *California Code of Regulations*, Section 41300 (a)).

An undergraduate student shall be removed from academic probation when the cumulative grade point average in all college work attempted and the cumulative grade point average at the campus where enrolled is 2.0 or higher.

Probation and Disqualification of post-baccalaureate and graduate students are subject to Section 41300 (d), (e), and (f) of Title 5 and criteria established by the campus.

Undergraduate 2.00

Graduate and Credential Students 3.00

Academic Disqualification

As authorized by Section 41300 (b) of Title 5, undergraduate students on academic probation are subject to academic disqualification when they fall below a 2.00 (C) average by the number of grade points indicated either for all units attempted or for all units attempted at Sonoma State University.

Class Level	Minimum GPA
Freshmen (0-29 units completed)	1.50
Sophomores (30-59 units completed)	1.70
Juniors (60-89 units completed)	1.85
Seniors (90 or more units completed)	1.95

Undergraduate students who have been disqualified may not apply for immediate reinstatement. Students who have been disqualified should plan to retake any course(s) for which you received grades of C- or below (including WU and IC); examine the circumstances that led to your unsatisfactory performance and make appropriate adjustments to ensure the circumstances do not recur.

Once a student has been disqualified and who has been separated from the University for at least one full semester, may apply to the University Standards Committee for consideration of reinstatement. The Committee shall take into consideration qualitative and quantitative evidence of the student's ability to overcome his/her grade point deficit (SSU and cumulative). Lower division students shall normally be expected to repeat and complete enough transferable college-level course work elsewhere to raise their GPA to at least 2.0 before applying for reinstatement.

Graduate and credential students: Minimum GPA 3.0. A graduate or credential student on academic probation who fails to earn sufficient grade points for removal from probationary status is subject to academic disqualification.

Notice of Disqualification: Students who are disqualified at the end of an enrollment period under any of the provisions of Executive Order 823 will be notified before the beginning of the next consecutive

regular enrollment period. Students disqualified at the beginning of a summer enrollment break should be notified at least one month before the start of the fall term.

Academic Disqualification of Students not on Probation

A student not on probation may be disqualified if a) at the end of any term, the student has a cumulative GPA below 1.0, AND b) the cumulative GPA is so low that, in view of the student's overall educational record, it seems unlikely that the deficiency will be removed within a reasonable period, as determined by the registrar in consultation with the University Standard Committee. Such disqualifications may be appealed to the University Standards Committee.

Administrative-Academic Probation

A student may be placed on administrative-academic probation for 1) withdrawal from a substantial portion of a program in two successive terms; 2) repeated failure to progress toward a degree; 3) repeated failure to progress toward the stated degree objective or other program objective, including that resulting from assignment of 15 units of NC; or 4) failure to comply with an academic requirement or regulation that is routine for all students or for a defined group of students.

Administrative-Academic Disqualification

Students may be placed in administrative-academic disqualified status for continued failure to remedy the condition resulting in their being on administrative academic probation. Additionally, the President may designate a campus official to act for him or her in the disqualification of students not on probation when: 1) a student has, at the end of any term, fewer cumulative grade points than cumulative units attempted; and 2) the cumulative grade point deficiency is so great that, in view of the student's overall educational program, it seems unlikely that the deficiency will be corrected within a reasonable period of time. A student disqualified from the University may be reinstated only by special action.

Reinstatement after Disqualification

Students are not academically disqualified from the University on the basis of a single semester of unsatisfactory work EXCEPT in the case above (Academic Disqualification of Students not on Probation). A student who has been at the University for more than one semester and whose SSU or cumulative grade point average results in disqualification will not be allowed to apply for readmission to the University until he/she has been away from the University for a period of time (generally a minimum of one semester) and has demonstrated academic success (or an equivalent experience) in another environment.

Disqualified students may be considered for reinstatement by petitioning to the University Standards Committee (in care of the Office of Admissions and Records). Petitions must be accompanied by evidence (such as satisfactory academic work elsewhere) that would justify reinstatement and a letter of support from the student's SSU major department. Petitions are reviewed and approved or denied by the University Standards Committee. Disqualified students who are reinstated will be on a probationary basis until all grade point deficiencies have been removed or until they are again disqualified. Students who have been reinstated after disqualification and then disqualified again will not be reinstated except under exceptional circumstances.

Course Repeat

For detailed information on the CSU's Course Repeat Policy

Excessive Enrollment and Duplicate Credit

If a student enrolls in the same course beyond catalog limitations, units earned will not be counted toward a baccalaureate. The grades and any grade points earned, however, will be averaged with the student's other grades. The same holds true for students who have taken the same course outside of what is allowed. Units will only count once, but the two grades will average into the GPA. The University does not award credit for a course twice.

Academic Renewal

The trustees of the California State University have established a program of academic renewal whereby students who are having difficulty meeting graduation requirements due to a grade point deficiency may petition to have up to two semesters or three quarters of previous college work discounted from all considerations associated with meeting requirements for the baccalaureate. Academic renewal is intended only to facilitate graduation from SSU and is not applicable for individuals who already possess a baccalaureate or who meet graduation requirements without the approval of a petition for academic renewal.

Conditions: To qualify for academic renewal, all of the following conditions established by the trustees must be met:

1. The student must present evidence in the petition that the coursework to be disregarded was substandard and not representative of the student's present scholastic ability and level of performance, because of extenuating circumstances.
2. The student must present evidence that if the petition is denied, it would be necessary for the student to enroll in additional coursework involving one or more additional terms in order to qualify for graduation. The student should include the specific coursework or requirements involved. Normally students should have completed 90 units prior to filing the petition.
3. Five years must have elapsed since the term or terms to be disregarded were completed. Terms taken at any institution may be disregarded.
4. Subsequent to the completion of the term(s) to be disregarded, the student must have completed the following coursework at Sonoma State University: 15 semester units with at least a 3.00 GPA, or 30 semester units with at least a 2.50 GPA, or 45 semester units with at least a 2.00 GPA.

If and when the petition is granted, the student's permanent academic record will be annotated so that it is readily evident to all users of the record that no work taken during the disregarded term(s), even if satisfactory, will apply toward baccalaureate graduation requirements. However, all work will remain legible on the record to ensure a true and complete academic history.

A final decision on the petition will be made by the University Standards Committee. The Committee will review petitions only if all of the basic requirements (indicated above) are met. Normally, students will be notified of the decision within 30 days after the completed petition is submitted.

Class Attendance

Class attendance is an important part of a student's university experience. However, there are legitimate reasons for missing class, such as illness, accidents, death of a close family member, jury duty, religious observance or representing the University at officially approved University activities. Students should be cautioned that even though absences may be for legitimate reasons, such absences can impair performance and result in a lower grade. Faculty have primary authority for setting class attendance policy according to discipline standards. There are class activities, such as labs, assignments and discussions that cannot reasonably be made up.

When students are absent from classes, it is their responsibility to provide the instructor with due notice and documentation when possible, and to inform the instructor of the reason for absence. Students are also responsible for requesting, in a timely manner, to make up missed assignments and class work if these are reasonably able to be provided.

Instructors are responsible for providing a clear statement on the course outline about the impact of attendance on students' grades. For students who have missed classes for legitimate reasons, instructors are also responsible for providing an opportunity to complete make-up work or grade substitution, if the instructor determines that such is reasonably able to be provided.

Graduate and Postbaccalaureate Regulations

1. No fewer than one-half of the units shall be in graduate (500-level) courses.
2. A classified student must continue to demonstrate, throughout enrollment in the graduate program, the level of competence required to be successful in the completion of the requirements. This evaluation of competence is primarily the responsibility of faculty actively teaching in the program.
3. The master's program contract advances the student to candidacy and must be filed no later than the time the student files for graduation.
4. At least 21 semester units shall be completed in residence.
5. At least 18 semester units shall be completed in the major.
6. No more than 6 semester units shall be allowed for a thesis.
7. No more than 9 units of Extension or transfer credit (or combination of the two) may be allowed, subject to the approval of the department concerned.
8. No credit toward a master's degree will be given for student teaching in a credential program.
9. The candidate must complete a thesis, project, or comprehensive exam as required by the department. Culminating projects that are published by the library require review by the Graduate Studies Office, as well as the student's faculty committee. A public defense of the thesis or project is required.
10. Graduate students at Sonoma State University may, at the discretion of the department, take up to one-third of the total units applied to the master's degree in a nontraditional grading mode.
11. The student may take three semesters to complete the thesis/project following initial enrollment in the units. The SP grade will remain until the student submits the culminating project. Projects taking more than four semesters to complete will require approval by the

Associate Vice President for Academic Programs and Graduate Studies, the appropriate campus authority, or re-enrollment in units.

Change in Graduate Standing

Many students are admitted to the University in conditionally classified standing with contingencies to remove prior to becoming a classified student. This admission does not guarantee a space in the graduate program. Such a guarantee is obtained by a change in graduate standing to classified status verified by the program in question. Each department has its own procedures for granting the student a place in its program. At the time this status is confirmed, a Change in Graduate Status form is filed with the Admission and Records Office and the Graduate Studies Office confirming the department's approval of this change in status. Changes to graduate status may not be processed until the end of the semester.

Students who graduated with a bachelor's degree from a foreign institution and change from working toward a second bachelor's to a graduate program must submit a qualifying TOEFL or IELTS score.

Syllabus Policy

The University Syllabus Policy states faculty shall provide students with a syllabus for all university courses that confer academic credit. Course outlines shall be provided to students that are accessible to each student within the first full week of classes and must include the following items:

1. Name of instructor, office location, office hours, office telephone number, and email address.
2. Course number, title, and semester/year.
3. General course information, including classroom, course format, meeting days/times, pre-requisites, fees, and GE category (as applicable).
4. Course description from the catalog or departmental description compatible with description from the university catalog.
5. Student learning outcomes. Student learning outcomes should be written in such a way thatSSU
 - a. Outcomes are measurable, specific, and achievable in the course time frame.
 - b. Alignment between course requirements and student learning outcomes is clear.
6. General Education Mission, Goals, and Objectives (MGOs), either printed or as URL reference (for GE Courses).
7. Course materials that must be procured by the student, including texts, software, or other equipment
8. Course requirements such as written work, exams, quizzes, projects, labs, fieldwork, and attendance
9. Expected Schedule of topics, readings, assignments, and exams. Specify how students will be notified if changes to the schedule are necessary.
10. Grading policy -- indicate the relative weight of course requirements, expected due dates, and method for determining final grades.
11. Reminder about policies -- for recommended language, see the Accessible Syllabus Template
12. Clear statement of department or faculty member's policy for assigning attendance and participation credit, responding to cheating and plagiarism, and accepting late work.

For more information, see the full syllabus policy.

Student Policies

Privacy Rights of Students in Education Records (FERPA)

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) (FERPA) and regulations adopted thereunder (34 C.F.R. 99) set out requirements designed to protect students' privacy in their educational records maintained by the campus. The statute and regulations govern access to certain student records maintained by the campus and the release of those records. FERPA provides that the campus must give students access to most records directly related to the student, and must also provide opportunity for a hearing to correct the records if the student claims they are inaccurate, misleading, or otherwise inappropriate. The right to a hearing under this law does not include any right to challenge the appropriateness of a grade determined by the instructor. FERPA generally requires the campus obtain a student's written consent before releasing personally identifiable data pertaining to the student. The campus has adopted a set of policies and procedures governing implementation of FERPA and the regulations. Copies of these policies and procedures may be obtained in the Registrar's Office. Among the information included in the campus statement of policies and procedures is: (1) the student records maintained and the information they contain; (2) the campus official responsible for maintaining each record; (3) the location of access lists indicating persons requesting or receiving information from the record; (4) policies for reviewing and expunging records; (5) student access rights to their records; (6) procedure for challenging the content of student records; and (7) the student's right to file a complaint with the Department of Education. The Department of Education has established an office and review board to investigate complaints and adjudicate violations. The designated office is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-5920.

FERPA authorizes the campus to release "directory information" pertaining to students. "Directory information" may include the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution the student attended. The campus may release this "directory information" at any time unless the campus has received prior written objection from the student specifying the information the student requests not be released. Written objections must be sent to:

Sonoma State University
EOP Office in Salazar 1060
1801 East Cotati Ave.
Rohnert Park, CA 94928-3609
Tel: (707) 664-2427
Fax: (707) 664-3999
eop@sonoma.edu
Major field of study
Dates of attendance

Grade level

Enrollment status (e.g., graduate or undergraduate; full-time or part-time)

Participation in intercollegiate athletics

Degrees received

Most recent educational agency or institution attended.

The campus is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons have responsibilities in the campus's academic, administrative or service functions and have reason for accessing student records associated with their campus or other related academic responsibilities. Student records will be disclosed to the CSU Chancellor's Office to conduct research, to analyze trends, or to provide other administrative services. Student records may also be disclosed to other persons or organizations under certain conditions (e.g., as part of the accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; or to other institutions to which the student is transferring).

Immunization Requirements and Registration Holds for Non-Compliance

In accordance with California State University policy, entering students are required to provide SSU with copies of official records showing full immunization (or blood test proof of immunity) to the diseases listed below. All incoming new students are required to submit immunization documentation to the SSU Student Health Center through the "My Health Portal" tile on their My SSU Online Services Portal. **This must be completed at least 6 weeks prior to the start of each student's first semester of classes at Sonoma State University.** Students who do not meet this deadline are subject to conditional enrollment and other late compliance penalties. Holds are placed on the records of students who have not provided SSU with the required documentation. These registration holds prohibit students from registering for future classes until the required documents have been received and processed.

1. **Measles/Mumps/Rubella (MMR):** proof of immunization is required of all students born after 12/31/56. Immunization records must show that the student received two doses of MMR vaccine after 12 months of age and spaced at least one month apart. Students may also meet this requirement by submitting copies of blood test results showing that the student is immune to Rubeola (Measles), Mumps and Rubella.
2. **Hepatitis B vaccine:** proof of immunization is required of all students who are or were under age 19 at the start of their first semester of classes at SSU. Immunization records must show that the student received three appropriately spaced doses of Hepatitis B vaccine or copies of a blood test showing immunity to Hepatitis B. These requirements persist until fully satisfied, regardless of the student's subsequent age.
3. **Varicella (Chickenpox) vaccine:** two doses with first dose on or after 1st birthday; OR blood test showing immunity. History of contracting the disease does NOT meet compliance requirement.
4. **Meningococcal conjugate (Serogroups A, C, Y & W-135) vaccine:** one dose on or after age 16 years for all students age 21 years or younger at the time of the start of first semester of classes at SSU.
5. **Tetanus, Diphtheria and Pertussis (Tdap) vaccine:** One dose after age 7

6. **Screening/Risk Assessment for Tuberculosis (TB):** All incoming students must complete a TB risk questionnaire. Incoming students who are at higher risk for TB infection, as indicated by answering "yes" to any of the screening questions, should undergo either skin or blood testing for TB infection within one year of CSU entry. Higher risk includes travel to or living in (for one month or more) South or Central America, Africa, Asia, Eastern Europe and the Middle East; prior positive TB test; or exposure to someone with active TB disease.

Students in need of immunizations or blood tests to demonstrate immunity should contact an off campus health care provider. Incoming SSU students who have paid their enrollment deposit are eligible to utilize the SSU Student Health Center (SHC) for these services prior to the beginning of their first semester of classes. There are charges for these services at the SHC.

In addition to the required immunizations, the following immunizations **are strongly recommended** for college students by the US Centers for Disease Control (CDC):

- **Hepatitis B vaccine**— Students age 19 and older
- **Hepatitis A vaccine** – All students regardless of age
- **Human Papillomavirus (HPV) vaccine** --Women and men through age 26 years
- **Meningococcal B vaccine**--Students age 16-23 who elect vaccination after discussion with their healthcare provider
- **Pneumococcal vaccine** -- for students with certain medical conditions such as severe asthma, diabetes, chronic liver or kidney disease
- **Poliovirus** -- Regardless of age, if the series was not completed as a child

Student Conduct

(707) 664-3225

The President of the University has authority in disciplinary actions. In compliance with CSU Executive Order 1098 the President may assign a campus official or officials to be the Student Conduct Administrator (SCA), whose responsibility is to determine whether to initiate disciplinary action under the Student Conduct Code. The Chief Student Affairs Officer is the designated Student Conduct Administrator for this University.

Purpose Statement

Promote a safe and secure campus environment for learning and growing by serving as the primary source of student conduct and academic integrity.

Student Conduct Procedures

Inappropriate conduct by students or by applicants for admission is subject to disciplinary action by the University as provided in sections 41301 through 41304 of Title 5 of the California Code of Regulations. The purpose of the code is to provide procedures that are fair and just, both to the student alleged and to the institution, by which it can be determined whether violations of conduct have occurred. A complaint against a student for an alleged violation of conduct (as defined in Sections 41301 through 41304 of Title 5) may be filed by a student, faculty member, staff member, University police officer, or

community member. The complaint should be filed with the SCA, and will be assigned a hearing officer who will investigate the alleged violation. The hearing officer will hold a conference with the student to obtain their response to the alleged misconduct and to determine if the complaint may be dealt with informally by mutual consent through a student conduct resolution agreement. If the allegations of misconduct have not been resolved informally by conference and the Student Conduct Administrator determines that formal disciplinary action should be taken, the SCA shall initiate the disciplinary action process by written Notice of Hearing. This notice shall be served in person or served by certified mail return receipt requested to the student charged at the last known address on campus records. For detailed information about the Notice of Hearing process and requirements, please refer to CSU Executive Order 1098. At any point in the process, the student may waive a hearing and accept a sanction without admitting that they engaged in the conduct charged. The hearing will be conducted by a hearing officer, who will be an administrative officer of the University appointed by the President. The hearing officer will submit a report and recommendations to the President, who will decide the matter, notify the student, and take action as appropriate. Discipline that may be imposed includes, but is not limited to, probation, suspension, and expulsion.

Student Conduct

Title 5, California Code of Regulations, § 41301. Standards for Student Conduct

1. Campus Community Values

The University is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community should choose behaviors that contribute toward this end. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and contribute positively to student and university life.

2. Grounds for Student Discipline

Student behavior that is not consistent with the Student Conduct Code is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences. The following behavior is subject to disciplinary sanctions:

1. Dishonesty, including:
 1. Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage.
 2. Furnishing false information to a University official, faculty member, or campus office.
 3. Forgery, alteration, or misuse of a University document, key, or identification instrument.
 4. Misrepresenting one's self to be an authorized agent of the University or one of its auxiliaries.
2. Unauthorized entry into, presence in, use of, or misuse of University property.
3. Willful, material, and substantial disruption or obstruction of a University-related activity, or any on-campus activity.

4. Participating in an activity that substantially and materially disrupts the normal operations of the University, or infringes on the rights of members of the University community.
5. Willful, material, and substantial obstruction of the free flow of pedestrian or other traffic, on or leading to campus property or an off-campus University related activity.
6. Disorderly, lewd, indecent, or obscene behavior at a University related activity, or directed toward a member of the University community.
7. Conduct that threatens or endangers the health or safety of any person within or related to the University community, including physical abuse, threats, intimidation, harassment, or sexual misconduct.
8. Hazing or conspiracy to haze. Hazing is defined as any method of initiation or pre-initiation into a student organization or student body, whether or not the organization or body is officially recognized by an educational institution, which is likely to cause serious bodily injury to any former, current, or prospective student of any school, community college, college, university or other educational institution in this state (Penal Code 245.6), and in addition, any act likely to cause physical harm, personal degradation or disgrace resulting in physical or mental harm, to any former, current, or prospective student of any school, community college, college, university or other educational institution. The term "hazing" does not include customary athletic events or school sanctioned events.
Neither the express or implied consent of a victim of hazing, nor the lack of active participation in a particular hazing incident is a defense. Apathy or acquiescence in the presence of hazing is not a neutral act, and is also a violation of this section.
9. Use, possession, manufacture, or distribution of illegal drugs or drug- related paraphernalia, (except as expressly permitted by law and University regulations) or the misuse of legal pharmaceutical drugs.
10. Use, possession, manufacture, or distribution of alcoholic beverages (except as expressly permitted by law and University regulations), or public intoxication while on campus or at a University related activity.
11. Theft of property or services from the University community, or misappropriation of University resources.
12. Unauthorized destruction, or damage to University property or other property in the University community.
13. Possession or misuse of firearms or guns, replicas, ammunition, explosives, fireworks, knives, other weapons, or dangerous chemicals (without the prior authorization of the campus President) on campus or at a University related activity.
14. Unauthorized recording, dissemination, or publication of academic presentations (including handwritten notes) for a commercial purpose.
15. Misuse of computer facilities or resources, including:
 1. Unauthorized entry into a file, for any purpose.
 2. Unauthorized transfer of a file.
 3. Use of another's identification or password.

4. Use of computing facilities, campus network, or other resources to interfere with the work of another member of the University community.
 5. Use of computing facilities and resources to send obscene or intimidating and abusive messages.
 6. Use of computing facilities and resources to interfere with normal University operations.
 7. Use of computing facilities and resources in violation of copyright laws.
 8. Violation of a campus computer use policy.
16. Violation of any published University policy, rule, regulation, or Presidential order.
 17. Failure to comply with directions or, or interference with, any University official or any public safety officer while acting in the performance of his/her duties.
 18. Any act chargeable as a violation of a federal, state, or local law that poses a substantial threat to the safety or well-being of members of the University community, to property within the University community or poses a significant threat of disruption or interference with University operations.
 19. Violation of the Student Conduct Procedures, including:
 1. Falsification, distortion, or misrepresentation of information related to a student discipline matter.
 2. Disruption or interference with the orderly progress of a student discipline proceeding.
 3. Initiation of a student discipline proceeding in bad faith.
 4. Attempting to discourage another from participating in a student discipline matter.
 5. Attempting to influence the impartiality of any participant in a student discipline matter.
 6. Verbal or physical harassment or intimidation of any participant in a student discipline matter.
 7. Failure to comply with the sanction(s) imposed under a student discipline proceeding.
 20. (20) Encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

3. **Procedures for Enforcing This Code**

The chancellor shall adopt procedures to ensure students are afforded appropriate notice and an opportunity to be heard before the University imposes any sanction for a violation of the Student Conduct Code. *Note: At the time of publication, such procedures are set forth in California State University Executive Order 1098 (Revised March 29, 2019).*

4. **Application of This Code**

Sanctions for the conduct listed above can be imposed on applicants, enrolled students, students between academic terms, graduates awaiting degrees, and students who withdraw from school while a disciplinary matter is pending. Conduct that threatens the safety or security of the campus community, or substantially disrupts the functions or operation of the University

is within the jurisdiction of this Article regardless of whether it occurs on or off campus. Nothing in this Code may conflict with Education Code Section 66301 that prohibits disciplinary action against students based on behavior protected by the First Amendment. *Note: Authority cited: Sections 66017, 66452, 66600, 69810, 89030, and 89035, Education Code. Reference: Sections 66450, 69813 et seq. and 89030, Education Code.*

Title 5, California Code of Regulations, § 41302. Disposition of Fees: Campus Emergency; Interim Suspension.

The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended, no additional tuition or fees shall be required of the student on account of the suspension.

During periods of campus emergency, as determined by the President of the individual campus, the President may, after consultation with the Chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The President may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the period of interim suspension, the student shall not, without prior written permission of the President or designated representative, enter any campus of the California State University other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

Notwithstanding any provision in this Chapter 1 to the contrary, admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were he enrolled as a student, would be the basis for disciplinary proceedings pursuant to Sections 41301 or 41302. Admission or readmission may be qualified or denied to any person who, while a student, commits acts which are subject to disciplinary action pursuant to Section 41301 or Section 41302. Qualified admission or denial of admission in such cases shall be determined under procedures adopted pursuant to Section 41304.

41304. Student Disciplinary Procedures for the California State University

The Chancellor shall prescribe, and may from time to time revise, a code of student disciplinary procedures for the California State University. Subject to other applicable law, this code shall provide for determinations of fact and sanctions to be applied for conduct which is a ground of discipline under Sections 41301 or 41302, and for qualified admission or denial of admission under Section 41303; the authority of the campus President in such matters; conduct related determinations on financial aid eligibility and termination; alternative kinds of proceedings, including proceedings conducted by a Hearing Officer; time limitations; notice; conduct of hearings, including provisions governing evidence, a record, and review; and such other related matters as may be appropriate. The Chancellor shall report to the Board actions taken under this section.

Compliance

The annual security report for Sonoma State University includes statistics for the previous three calendar years concerning reported crimes that occurred on campus, in certain non-campus buildings or property owned or controlled by Sonoma State University, and on public property within or immediately adjacent to and accessible from the campus. The report also includes institutional policies concerning campus safety, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. Crime prevention and personal safety information and pamphlets are available at Police Safety Services and on the SSU Police website.

In 2013, the VAWA/SaVE Act was reauthorized to include broader hate crime definitions and the additional crimes of domestic violence, dating violence and stalking. These statistics are included in this year's report.

You can access this report online or you can obtain a paper copy upon request by calling (707) 664-4444 or visiting University Police in the Verdote Village.

In compliance with the Campus Fire Safety Right-to-Know Act, Sonoma State University's annual Fire Safety Report. The report is compiled courtesy of the SSU Housing Services office. It includes all on campus student housing fire statistics, a description of fire safety systems, the number of fire drills, procedures for student housing evacuation, fire safety education programs, any planned future improvements in fire safety, and policies and rules regarding use of appliances, smoking, and open flames in student housing. Paper copies of the report are available upon request by visiting the Housing Services Office in Zinfandel Village.

Student Grievance Procedures

Dispute Resolution Board

Stevenson 1027

(707) 664-2801

<http://senate.sonoma.edu/forms/drb>

A grievance may arise out of a decision or action reached or taken in the course of official duty, following a specific policy or procedure, by a member of the faculty, staff, or administration of Sonoma State University. The purpose of the grievance procedures is to provide a process for an impartial review and to ensure that the rights of students are properly recognized and protected. A student who wishes to initiate the grievance process should read the Grievance Policy, the Formal Dispute Resolution Procedures and may contact the Vice President of Student Affairs office. Informal procedures must be followed before a formal dispute may be filed. The above mentioned policies, procedures and a handbook for students can be found online.

Grade Appeal

In order to protect the rights of students and faculty, principles of due process are incorporated into the grade appeal procedures. A student who wishes to initiate a grade appeal procedure should read the Grade Appeal Policy, the Formal Dispute Resolution Procedures and may contact the Senate Analyst in

the Academic Senate office. Informal procedures must be followed before a formal dispute may be filed. The above mentioned policies, procedures and a handbook for students can be found online at

Student/Applicant Complaint Procedure

Division of Student Affairs
International Hall 205
(707) 664-2838

This complaint procedure is for CSU students and student applicants who believe the CSU has violated one or more state laws. It does not encompass complaints already covered by another CSU complaint procedure (e.g., Dispute Resolution Board, student complaints alleging discrimination, harassment, and retaliation, etc.).

The California State University takes very seriously complaints and concerns regarding the institution. If you have a complaint regarding the CSU, you may present your complaint as follows:

1. If your complaint concerns CSU's compliance with academic program quality and accrediting standards, you may present your complaint to the Western Association of Schools and Colleges (WASC). WASC is the agency that accredits the CSU's academic program.
2. If your complaint concerns an alleged violation by CSU of any law that prohibits discrimination, harassment or retaliation based on a protected status (such as age, disability, gender (or sex), gender identity, gender expression, nationality, race or ethnicity (including color or ancestry), religion or veteran or military status), you may present your complaint as described in Section XVI (Nondiscrimination Policy).
3. If your complaint concerns an alleged violation by the CSU of other state law, including laws prohibiting fraud and false advertising, you may present your claim complaint to the campus president or designee at Student Affairs. See Procedure for Student Complaints—Executive Order No. 1063 for details regarding the complaint requirements and complaint process.

If you believe that your complaint warrants further attention after you have exhausted all the steps outlined by the president or designee, or by WASC, you may file an appeal with the Associate Vice Chancellor, Academic Affairs at the CSU Chancellor's Office.

This procedure should not be construed to limit any right that you may have to take civil or criminal legal action to resolve your complaint.

Financial Aid Appeal Policy

Students have the right to appeal their financial aid award or any other financial aid decision that they feel affects them adversely and that falls outside of the jurisdiction of federal, state, or Chancellor's office regulations. This right includes answers to questions, explanations of financial aid policies and procedures, and a request for reconsideration. The initial appeal is made to the student's financial aid representative. After subsequent review by the Director of Financial Aid, the student's case may ultimately be presented to the Financial Aid Advisory Committee.

Smoking and Tobacco Policy

Sonoma State University has a responsibility to students, employees, and visitors to support and maintain a safe and healthful environment. Research shows that the use of tobacco products, smoking, exposure to second hand smoke, and discarded smoking and tobacco related items constitute significant public and environmental health hazards, and contribute to campus fire risk, cleaning and maintenance expenses and costs associated with absenteeism, medical care for tobacco related illness, and health insurance premiums.

In order to reduce these significant hazards, smoking, as well as the use of chewing tobacco and e-cigarettes are prohibited on the entire Sonoma State University campus. These prohibitions also apply to off-campus sites and vehicles owned, leased, or rented by SSU. Tobacco products may not be disposed of in or on the grounds of all locations covered by this policy. Information, including frequently asked questions, cessation resources, the policy text, etc. is available at: <http://www.sonoma.edu/uaffairs/smokingandtobaccofree>

Nondiscrimination and Complaint Procedures

Protected Status:

Genetic Information, Marital Status, Medical Condition, Nationality, Race or Ethnicity (including color or ancestry), Religion or Religious Creed, and Veteran or Military Status.

The California State University does not discriminate on the basis of age, genetic information, marital status, medical condition, nationality, race or ethnicity (including color and ancestry), religion (or religious creed), and veteran or military status – as these terms are defined in CSU Executive Order 1097– in its programs and activities, including admission and access. Federal and state laws, including Title VI of the Civil Rights Act of 1964 and the California Equity in Higher Education Act, prohibit such discrimination. Joyce Suzuki, Campus Coordinator for the Office for the Prevention of Harassment and Discrimination, has been designated to coordinate the efforts of SSU to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at Salazar 2078A, 707-664-4470. CSU Executive Order 1097 revised October 5, 2016 (or any successor policy) is the system wide procedure for all complaints of discrimination, harassment or retaliation made by students against the CSU, a CSU employee, other CSU students or a third party.

Protected Status: Disability

The California State University does not discriminate on the basis of disability (physical and mental) – as this term is defined in CSU Executive Order 1097 – in its programs and activities, including admission and access. Federal and state laws, including sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, prohibit such discrimination. Joyce Suzuki has been designated to coordinate the efforts of SSU to comply with all applicable federal and state laws prohibiting discrimination on the basis of disability. Inquiries concerning compliance may be presented to this person at Salazar 2078A, 707-664-4470. CSU Executive Order 1097 Revised October 5, 2016 is the system wide procedure for all complaints of discrimination, harassment or retaliation made by students against the CSU, a CSU employee, other CSU students or a third party.

Protected Status: Gender (or sex), Gender Identity (including transgender), Gender Expression and Sexual Orientation

The California State University does not discriminate on the basis of gender (or sex), gender identity, (including transgender), gender expression or sexual orientation in its programs and activities, including admission and access. Federal and state laws, including Title IX of the Education Amendments of 1972, prohibit such discrimination. Joyce Suzuki has been designated to coordinate the efforts of SSU to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at Salazar 2078A, 707-664-4470. The California State University is committed to providing equal opportunities to all CSU students in all campus programs, including intercollegiate athletics. CSU Executive Order 1097 Revised October 5, 2016 (or any successor policy) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made by students against the CSU, a CSU employee, other CSU students or a third party.

As a matter of federal and state law and California State University policy, the following types of conduct are prohibited:

Sexual Discrimination or Gender Discrimination means an adverse act taken against a student by the CSU, a CSU employee, or another student because of gender or sex (including sexual harassment, sexual violence, domestic violence, dating violence, and stalking).

Sexual harassment, a form of sex discrimination, is unwelcome verbal, nonverbal or physical conduct of a sexual nature that includes, but is not limited to, sexual advances, requests for sexual favors, and any other conduct of a sexual nature where:

1. Submission to, or rejection of, the conduct is explicitly or implicitly used as the basis for any decision affecting a Complainant's status or progress, or access to benefits and services, honors, programs, or activities available at or through the University; **or**
2. The conduct is sufficiently severe, persistent or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as limiting his or her ability to participate in or benefit from the services, activities or opportunities offered by the University; **or**
3. The conduct is sufficiently severe, persistent or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as creating an intimidating, hostile or offensive environment.

Sexual Harassment could include being forced to engage in unwanted sexual contact as a condition of membership in a student organization; being subjected to video exploitation or a campaign of sexually explicit graffiti; or frequently being exposed to unwanted images of a sexual nature in a classroom that are unrelated to the coursework.

Sexual Harassment also includes acts of verbal, non-verbal or physical aggression, intimidation or hostility based on Gender or sex-stereotyping, even if those acts do not involve conduct of a sexual nature.

Executive Order 1097 covers unwelcome conduct of a sexual nature. While romantic, sexual, intimate, personal or social relationships between members of the University community may begin as

consensual, they may evolve into situations that lead to Sexual Harassment or Sexual Misconduct, including Dating or Domestic Violence, or Stalking, subject to this policy.

Claiming that the conduct was not motivated by sexual desire is not a defense to a complaint of harassment based on Gender.

Sexual misconduct: All sexual activity between members of the University community must be based on affirmative consent. Engaging in any sexual activity without first obtaining affirmative consent to the specific activity is sexual misconduct, whether or not the conduct violates any civil or criminal law. Sexual activity includes, but is not limited to, kissing, touching intimate body parts, fondling, intercourse, penetration of any body part, and oral sex. It also includes any unwelcome physical acts, such as unwelcome sexual touching, sexual assault, sexual battery, rape, and dating violence. When based on gender, domestic violence or stalking also constitutes sexual misconduct. Sexual misconduct may include using physical force, violence, threat or intimidation, ignoring the objections of the other person, causing the other person's intoxication or incapacitation through the use of drugs or alcohol, or taking advantage of the other person's incapacitation (including voluntary intoxication) to engage in sexual activity. Men as well as women can be victims of these forms of sexual misconduct. Sexual activity with a minor is never consensual when the complainant is under 18 years old, because the minor is considered incapable of giving consent.

Sexual assault is a form of sexual misconduct and is an attempt, coupled with the ability, to commit a violent injury on the person of another because of that person's gender or sex.

Sexual battery is a form of sexual misconduct and is any willful and unlawful use of force or violence upon the person of another because of that person's gender or sex as well as touching an intimate part of another person against that person's will and for the purpose of sexual arousal, gratification or abuse.

Rape is a form of sexual misconduct and is non-consensual sexual intercourse that may also involve the use of threat of force, violence, or immediate and unlawful bodily injury or threats of future retaliation and duress. Any sexual penetration, however slight, is sufficient to constitute rape. Sexual acts including intercourse are considered non-consensual when a person is incapable of giving consent because s/he is incapacitated from alcohol and/or drugs, is under 18 years old, or if a mental disorder or developmental or physical disability renders the person incapable of giving consent. The respondent's relationship to the person (such as family member, spouse, friend, acquaintance or stranger) is irrelevant.

Acquaintance rape is a form of sexual misconduct committed by an individual known to the victim. This includes a person the victim may have just met; i.e., at a party, introduced through a friend, or on a social networking website.

Affirmative consent means an informed, affirmative, conscious, voluntary, and mutual agreement to engage in sexual activity. It is the responsibility of each person involved in the sexual activity to ensure that s/he has the affirmative consent of the other participant(s) to engage in the sexual activity. Lack of protest or resistance does not mean consent nor does silence mean consent. Affirmative consent must be voluntary, and given without coercion, force, threats or intimidation.

- The existence of a dating or social relationship between those involved, or the fact of past sexual activities between them, should never by itself be assumed to be an indicator of

affirmative consent. A request for someone to use a condom or birth control does not, in and of itself, constitute affirmative consent.

- Affirmative consent can be withdrawn or revoked. Consent to one form of sexual activity (or sexual act) does not constitute consent to other forms of sexual activity. Consent given to sexual activity on one occasion does not constitute consent on another occasion. There must always be mutual and affirmative consent to engage in sexual activity. Consent must be ongoing throughout a sexual activity and can be revoked at any time, including after penetration. Once consent is withdrawn or revoked, the sexual activity must stop immediately.
- A person who is incapacitated cannot give affirmative consent. A person is unable to consent when s/he is asleep, unconscious or is incapacitated due to the influence of drugs, alcohol, or medication so that s/he could not understand the fact, nature or extent of the sexual activity. A person is incapacitated if s/he lacks the physical and/or mental ability to make informed, rational decisions. Whether an intoxicated person (as a result of using alcohol or other drugs) is incapacitated depends on the extent to which the alcohol or other drugs impact the person's decision-making capacity, awareness of consequences, and ability to make fully informed judgments. A person's own intoxication or incapacitation from drugs or alcohol does not diminish that person's responsibility to obtain affirmative consent before engaging in sexual activity.
- A person with a medical or mental disability may also lack the capacity to give consent.
- Sexual activity with a minor (a person under 18 years old) is not consensual, because a minor is considered incapable of giving legal consent due to age.
- It shall not be a valid excuse that a person affirmatively consented to the sexual activity if the respondent knew or reasonably should have known that the person was unable to consent to the sexual activity under any of the following circumstances:
 - The person was asleep or unconscious;
 - The person was incapacitated due to the influence of drugs, alcohol or medication, so that the person could not understand the fact, nature or extent of the sexual activity;
 - The person was unable to communicate due to a mental or physical condition.
- It shall not be a valid excuse that the respondent believed that the person consented to the sexual activity under either of the following circumstances:
 - The respondent's belief in affirmative consent arose from the intoxication or recklessness of the respondent;
 - The respondent did not take reasonable steps, in the circumstances known to the respondent at the time, to ascertain whether the person affirmatively consented.

Consensual relationships: Consensual relationship means a sexual or romantic relationship between two persons who voluntarily enter into such a relationship. While sexual and/or romantic relationships between members of the University community may begin as consensual, they may evolve into situations that lead to discrimination, harassment, retaliation, sexual misconduct, dating or domestic violence, or stalking.

- A University employee shall not enter into a consensual relationship with a student or employee over whom s/he exercises direct or otherwise significant academic, administrative, supervisory,

evaluative, counseling, or extracurricular authority. In the event such a relationship already exists, each campus shall develop a procedure to reassign such authority to avoid violations of policy.

- This prohibition does not limit the right of an employee to make a recommendation on the personnel matters concerning a family or household member where the right to make recommendations on such personnel matters is explicitly provided for in the applicable collective bargaining agreement or MPP/confidential personnel plan.

Domestic violence is abuse committed against someone who is a current or former spouse, current or former cohabitant, someone with whom the abuser has a child, someone with whom the abuser has or had a dating or engagement relationship, or a person similarly situated under California domestic or family violence law. Cohabitant means two unrelated persons living together for a substantial period of time, resulting in some permanency of relationship. It does not include roommates who do not have a romantic, intimate, or sexual relationship. Factors that may determine whether persons are cohabiting include, but are not limited to (1) sexual relations between the parties while sharing the same living quarters, (2) sharing of income or expenses, (3) joint use or ownership of property, (4) whether the parties hold themselves out as husband and wife, (5) the continuity of the relationship, and (6) the length of the relationship. For purposes of this definition, "abuse" means intentionally or recklessly causing or attempting to cause bodily injury or placing another person in reasonable apprehension of imminent serious bodily injury to himself or herself, or another. Abuse does not include non-physical, emotional distress or injury.

Dating violence is abuse committed by a person who is or has been in a social or dating relationship of a romantic or intimate nature with the victim. This may include someone the victim just met; i.e., at a party, introduced through a friend, or on a social networking website. For purposes of this definition, "abuse" means intentionally or recklessly causing or attempting to cause bodily injury or placing another person in reasonable apprehension of imminent serious bodily injury to himself or herself, or another. Abuse does not include non-physical, emotional distress or injury.

Stalking means a repeated course of conduct directed at a specific person that would cause a reasonable person to fear for his/her or others' safety or to suffer substantial emotional distress. For purposes of this definition:

- Course of conduct means two or more acts, including but not limited to, acts in which the stalker directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveys, threatens, or communicates to or about a person, or interferes with a person's property;
- Reasonable person means a reasonable person under similar circumstances and with the same protected status as the complainant;
- Substantial emotional distress means significant mental suffering or anguish that may, but does not necessarily, require medical or other professional treatment or counseling.

See further information in SSU's sexual violence prevention and education statement, Title IX Notice of Nondiscrimination (which includes facts and myths about sexual violence), and Victim's Rights and Options Notice

Who to Contact If You Have Complaints, Questions, or Concerns

Title IX requires the university to designate a Title IX Coordinator to monitor and oversee overall Title IX compliance. Your campus Title IX Coordinator is available to explain and discuss your right to file a criminal complaint (for example, in cases of sexual misconduct); the university's complaint process, including the investigation process; how confidentiality is handled; available resources, both on and off campus; and other related matters. **If you are in the midst of an emergency, please call the police immediately by dialing 9-1-1.**

Campus Title IX Coordinator

Bill Kidder

International Hall 207

kidderw@sonoma.edu

(707) 664-2480

Monday - Friday, 8 a.m. - 4:30 p.m.

University Police

SSU Police and Parking Services

Verdot Village

Emergency: 9-1-1 from a campus phone or (707) 664-4444

24-hour non-emergency: (707) 664-2143

U.S. Department of Education, Office for Civil Rights

(800) 421-3481 (main office), or (415) 486-5555 (California office), or (800) 877-8339 (TDD) or ocr@ed.gov (main office) or ocr.sanfrancisco@ed.gov (California office)

If you wish to, you may fill out a complaint form online with the OCR

Title IX requires the university to adopt and publish complaint procedures that provide for prompt and equitable resolution of gender discrimination complaints, including sexual harassment and misconduct as well as provide training, education and preventive measures related to gender discrimination. CSU Executive Order 1097 (or any successor policy) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made by students** against the CSU, a CSU employee, other CSU students or a third party.

Duty to Report. Except as provided below under confidentiality and sexual misconduct, dating violence, domestic violence, and stalking, any university employee who knows or has reason to know of allegations or acts that violate university policy shall promptly inform the Title IX Coordinator. These employees are required to disclose all information including the names of the parties, even where the person has requested that his/her name remain confidential. The Title IX Coordinator will determine whether confidentiality is appropriate given the circumstances of each such incident. (See confidential reporting options outlined below.)

Regardless of whether an alleged victim of gender discrimination ultimately files a complaint, if the campus knows or has reason to know about possible sexual discrimination, harassment or misconduct, violence, it must review the matter to determine if an investigation is warranted. The campus must then take appropriate step to eliminate any gender discrimination/harassment/misconduct, prevent its recurrence, and remedy its effects.

Safety of the Campus Community is Primary

The University's primary concern is the safety of its campus community members. The use of alcohol or drugs never makes the victim at fault for gender discrimination, harassment or misconduct therefore, victims should not be deterred from reporting incidents of sexual misconduct out of a concern that they might be disciplined for related violations of drug, alcohol or other university policies. Except in extreme circumstances, victims of sexual misconduct shall not be subject to discipline for related violations of the Student Conduct Code.

Information Regarding Campus, Criminal and Civil Consequences of Committing Acts of Sexual Violence

Individuals alleged to have committed sexual misconduct may face criminal prosecution by law enforcement and may incur penalties as a result of civil litigation. In addition, employees and students may face discipline at the university, up to including suspension or expulsion. Employees may face sanctions up to and including dismissal from employment, pursuant to established CSU policies and provisions of applicable collective bargaining unit agreements.

Students who are charged by the University with gender discrimination, harassment or misconduct will be subject to discipline, pursuant to the California State University Student Conduct Procedures (see Executive Order 1098 or any successor executive order) and will be subject to appropriate sanctions. In addition, during any investigation, the University may implement interim measures in order to maintain a safe and non-discriminatory educational environment. Such measures may include but not be limited to: immediate interim suspension from the University; a required move from university-owned or affiliated housing; adjustments to course schedule; and/or prohibition from contact with parties involved in the alleged incident.

Confidentiality and Sexual Misconduct, Dating Violence, Domestic Violence, and Stalking

The University encourages victims of sexual misconduct, dating violence, domestic violence, or stalking (collectively sexual misconduct) to talk to someone about what happened – so they can get the support they need, and so the University can respond appropriately.

Privileged and Confidential Communications

Physicians, Psychotherapists, Professional Licensed Counselors, Licensed Clinical Social Workers, and Clergy

Physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers, and clergy who work or volunteer on or off campus, acting solely in those roles or capacities as part of their employment, and who provide medical or mental health treatment or counseling (and those who act under their supervision, including all individuals who work or volunteer in their centers and offices) may not report any information about an incident of sexual misconduct to anyone else at the University, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers, and clergy without triggering a University investigation that could reveal the victim's identity or the fact of the victim's disclosure. However, see limited exceptions below regarding when health care practitioners must report to local law enforcement agencies. Health care practitioners should explain these limited exceptions to victims, if applicable.

Sexual Assault and Domestic Violence Counselors and Advocates

Sexual assault and domestic violence counselors and advocates who work or volunteer on or off campus in sexual assault centers, victim advocacy offices, women's centers, and health centers (including those who act in that role under their supervision, along with non-professional counselors or advocates who or volunteer in sexual assault centers, victim advocacy offices, women's centers, gender equity centers, or health centers) may talk to a victim without revealing any information about the victim and the incident of sexual misconduct to anyone else at the University, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from these counselors and advocates without triggering a University investigation that could reveal his/her identity or that a victim disclosed an incident to them. However, see limited exceptions below regarding when sexual assault and domestic violence counselors and advocates must report to local law enforcement agencies. Counselors and advocates should explain these limited exceptions to victims, if applicable.

The University will be unable to conduct an investigation into a particular incident or pursue disciplinary action against a perpetrator if a victim chooses to (1) speak only to a physician, professional licensed counselor, licensed clinical social worker, clergy member, sexual assault counselor, domestic violence counselor or advocate; and (2) maintain complete confidentiality. Even so, these individuals will assist victims in receiving other necessary protection and support, such as victim advocacy, disability, medical/health or mental health services, or legal services, and will advise victims regarding their right to file a Title IX complaint with the University and a separate complaint with local or University police. If a victim insists on confidentiality, such professionals, counselors and advocates will likely not be able to assist the victim with: University academic support or accommodations; changes to University-based living or working schedules; or adjustments to course schedules. A victim who at first requests confidentiality may later decide to file a complaint with the University or report the incident to the police, and thus have the incident fully investigated. These counselors and advocates can provide victims with that assistance if requested by the victim. These counselors and advocates will also explain that Title IX includes protections against retaliation, and that the University will not only take steps to prevent retaliation when it knows or reasonably should know of possible retaliation, but will also take strong responsive action if it occurs.

Exceptions: Under California law, any health practitioner employed in a health facility, clinic, physician's office, or local or state public health department or clinic is required to make a report to local law enforcement if he or she provides medical services for a physical condition to a patient/victim who he or she knows or reasonably suspects is suffering from (1) a wound or physical injury inflicted by a firearm; or (2) any wound or other physical injury inflicted upon a victim where the injury is the result of assaultive or abusive conduct (including sexual misconduct, domestic violence, and dating violence). This exception does not apply to sexual assault and domestic violence counselors and advocates. Health care practitioners should explain this limited exception to victims, if applicable.

Additionally, under California law, all professionals described above (physicians, psychotherapists, professional counselors, licensed clinical social workers, clergy, and sexual assault and domestic violence counselors and advocates) are mandatory child abuse and neglect reporters, and are required to report incidents involving victims under 18 years of age to local law enforcement. These professionals will explain this limited exception to victims, if applicable.

Finally, some or all of these professionals may also have reporting obligations under California law to (1) local law enforcement in cases involving threats of immediate or imminent harm to self or others where disclosure of the information is necessary to prevent the threatened danger; or (2) to the court if compelled by court order or subpoena in a criminal proceeding related to the sexual violence incident. If applicable, these professionals will explain this limited exception to victims.

Reporting to University or Local Police

If a victim reports to local or University Police about sexual misconduct, the police are required to notify victims that their names will become a matter of public record unless confidentiality is requested. If a victim requests that his/her identity be kept confidential, his/her name will not become a matter of public record and the police will not report the victim's identity to anyone else at the University, including the Title IX Coordinator. University Police will, however, report the facts of the incident itself to the Title IX Coordinator being sure not to reveal to the Title IX Coordinator victim names/identities or compromise their own criminal investigation. The University is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the University will report the type of incident in the annual crime statistics report known as the Annual Security Report, victim names/identities will not be revealed.

Reporting to the Title IX Coordinator and Other University Employees

Most University employees have a duty to report sexual misconduct incidents when they are on notice of it. When a victim tells the Title IX Coordinator or another University employee about a sexual misconduct incident, the victim has the right to expect the University to take immediate and appropriate steps to investigate what happened and to resolve the matter promptly and equitably. In all cases, the University strongly encourages victims to report sexual misconduct directly to the campus Title IX Coordinator. As detailed above, all University employees except physicians, licensed professional counselors, licensed clinical social workers, sexual assault counselors and advocates, must report to the Title IX Coordinator all relevant details about any sexual violence incidents of which they become aware. The University will need to determine what happened – and will need to know the names of the victim(s) and the perpetrator(s), any witnesses, and any other relevant facts, including the date, time and specific location of the incident.

To the extent possible, information reported to the Title IX Coordinator or other University employees will be shared only with individuals responsible for handling the University's response to the incident. The University will protect the privacy of individuals involved in a sexual misconduct incident except as otherwise required by law or University policy. A sexual misconduct report may result in the gathering of extremely sensitive information about individuals in the campus community. While such information is considered confidential, University policy regarding access to public records and disclosure of personal information may require disclosure of certain information concerning a report of sexual misconduct. In such cases, efforts will be made to redact the records, as appropriate, in order to protect the victim's identity and privacy and the privacy of other involved individuals. Except as detailed in the section on Privileged and Confidential Communications above, no University employee, including the Title IX Coordinator, should disclose the victim's identity to the police without the victim's consent or unless the victim has also reported the incident to the police.

If a victim requests of the Title IX Coordinator or another University employee that his/her identity remain completely confidential, the Title IX Coordinator will explain that the University cannot always honor that request and guarantee complete confidentiality. If a victim wishes to remain confidential or request that no investigation be conducted or disciplinary action taken, the University must weigh that request against the University's obligation to provide a safe, non-discriminatory environment for all students, employees, and third parties, including the victim. Under those circumstances, the Title IX Coordinator will determine whether the victim's request for complete confidentiality and/or no investigation can be honored under the facts and circumstances of the particular case, including whether the University has a legal obligation to report the incident, conduct an investigation or take other appropriate steps. Without information about a victim's identity, the University's ability to meaningfully investigate the incident and pursue disciplinary action against the perpetrator may be severely limited. See Executive Order 1095 for further details around confidential reporting, and other related matters ().

Additional Resources

- Sonoma State University's sexual violence prevention and education statement, which includes facts and myths about sexual violence
- U.S. Department of Education, regional office:
Office for Civil Rights
50 United Nations
Plaza San Francisco, CA 94102
(415) 486-5555
TDD (877) 521-2172;
- U.S. Department of Education, national office:
Office for Civil Rights
(800) 872-5327
- California Coalition Against Sexual Assault
1215 K. Street, Suite 1850
Sacramento, CA 95814
(916) 446-2520
(www.calcasa.org/)
 - Know Your Rights about Title IX
 - Domestic and Family Violence, Office of Justice Programs, United States Department of Justice
 - National Institute of Justice: Intimate Partner Violence, Office of Justice Programs, United States Department of Justice
 - National Domestic Violence Hotline: 1-800-799-SAFE (7233)
 - Office of Violence against Women, United States Department of Justice
 - Centers for Disease Control and Prevention: Intimate Partner Violence
 - Defending Childhood, United States Department of Justice
 - SSU Police Services 911 or (707) 664-4444
 - SSU Counseling and Psychological Services (707) 664-2153

- Verity (24 hour sexual assault crisis line and other victim support services) (707) 545-7273
- SSU Student Health Center (707) 664-2921

Civil & Criminal Penalties for Violation of Federal Copyright Laws

Anyone who is found to be liable for copyright infringement may be ordered to pay either actual damages suffered as a result of the infringement along with any profits of the infringer attributable to the infringement that are not already taken into account in computing the actual damages, or "statutory" damages between \$750 and \$30,000 per work infringed. In the case of a "willful" infringement, a court may award up to \$150,000 per work infringed. (See 17 U.S.C. §504.) Courts also have discretion to award costs and attorneys' fees to the prevailing party. (See 17 U.S.C. §§504 and 505.) Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines. (See 17 U.S.C. §506 and 18 U.S.C. §2319.)

Student Services

Division of Student Affairs

Student Center 3020
studentaffairs.sonoma.edu
(707) 664-2838

The role of the Division of Student Affairs is to facilitate student engagement and support students' learning and development goals, ultimately leading to the growth, retention and graduation of our students.

Student Affairs strives to provide an environment where academic and personal growth is valued and encouraged. Students develop a sense of independence, community and accountability for themselves and their learning.

The programs and activities offered provide students the opportunity to become connected to their SSU community, develop academically and grow through exploration of their values, beliefs, and understanding of themselves and others.

Office of the Vice President for Student Affairs

Student Center 3020
<http://studentaffairs.sonoma.edu/>
studentaffairs@sonoma.edu
(707) 664-2838

The Office of the Vice President serves as the administrative foundation and central location for the co-curricular programs, areas, and services of Student Affairs.

Administrative and Financial Planning, Student Affairs

Student Center 3020
Anna Reynolds-Smith, Director
Anna.reynolds@sonoma.edu
(707) 664-4206

The purpose of this office is to manage the Division of Student Affairs' administrative processes, fiscal resources, and personnel resources.

Assessment & Strategic Operations, Student Affairs

Student Center 3020
Laura Monje-Paulson, Ph.D., Assistant Vice President for Student Affairs
monjepau@sonoma.edu
(707)-664-3123

The purpose of the Division of Student Affairs Assessment & Strategic Operations office is to ensure structural integrity of the Division of Student Affairs' assessment, strategic planning, communication, and professional development.

Associated Students

Student Center, 2nd Floor
as.sonoma.edu
Erik Dickson, Executive Director
erik.dickson@sonoma.edu
(707) 664-2669

As a student-run, student-led campus auxiliary, we serve as the official voice and advocate for the students and provide students with a variety of programs and services.

Associated Students Productions

Student Center, 2nd Floor
web.sonoma.edu/as/asp/
Mariah Atkins, Programming Coordinator
atkinsm@sonoma.edu
(707) 664-4061

We provide free or low-cost, diverse, accessible social and educational events to the students of Sonoma State.

The Children's School

Located in Zinfandel Village
childrens-school.sonoma.edu/
Lia Thompson, Director
thompsol@sonoma.edu
Childrens.school@sonoma.edu
(707) 664-2230

The Children's School provides high-quality early childhood education to the children of SSU students, staff and faculty families, as well as serve as the campus' Child Development Laboratory.

Join Us Making Progress

Student Center, 2nd Floor
<http://web.sonoma.edu/as/jump/>
Natalie Frankel, Community Service Coordinator
frankeln@sonoma.edu
(707) 664-2782

We provide the Sonoma State students the opportunity for personal growth, leadership and education through service to the campus and the community.

Student Government

Student Center, 2nd Floor
web.sonoma.edu/as/government/

Libia Marqueza Castro, Coordinator
l.castro@sonoma.edu
(707) 664-4375

The purpose for Student Government is to promote student interest through advocacy and representation and encourage student civic engagement.

Center for Academic Access and Student Enrichment (CAASE)

Schulz 1119
Gerald L. Jones, J.D., Senior Director
Gerald.jones@sonoma.edu
(707) 664-4201

CAASE provides SSU's under-represented and underserved students with resources to persist and graduate.

Disability Services for Students (DSS)

Schulz 1014A
(707) 664-2677 (voice)
Dial 711 For Relay
(707) 664-3330 (fax)

Disability.services@sonoma.edu
web.sonoma.edu/dss/

Providing Equal Access

Sonoma State University is committed to providing an inclusive environment, which is responsive to the needs of all students. To ensure this inclusion, appropriate accommodations are provided to students and prospective students who have self-identified with various disabilities and who require these accommodations in order to enjoy access to university programs, services, or activities for which the individual are otherwise qualified. Accommodations will not be provided if they fundamentally alter or impact the nature of the program, inappropriately impede access for others or a cause a direct threat to the health and safety of the student with a disability or others. The university's goal is to provide an equivalent academic experience and learning opportunity, but does not guarantee a student's academic success.

Role of Disability Services for Students

The University has designated Disability Services for Students (DSS) as the office responsible for receiving, reviewing, and verifying disability documentation for students, authorizing and providing specialized support services, and assisting faculty, staff, and managers in providing equal access with reasonable and appropriate accommodations to students with disabilities within a reasonable and timely manner.

Accommodation Services

DSS considers factors such as documentation from professionals specializing in the area of the student's diagnosed disability, the student's functional limitations, and the student's input and accommodation history when determining appropriate accommodations. DSS works with the student and relevant faculty and staff through an interactive process designed to identify an accommodation that provides equal access, while also ensuring that the academic integrity of the University is maintained by requiring that all students complete the same requirements that have been determined to be essential to the program of instruction or directly related to any licensing requirement.

How to register for services

The Disability Services for Students office (DSS) welcomes Sonoma State University students who are interested in receiving accommodation services related to their disability. All SSU students seeking services through DSS are responsible for completing the following three steps before their academic accommodations are provided:

- Complete the Student Intake Form
- Provide Documentation of one's disability
- Schedule an "Intake Appointment"

The DSS office is committed to ensuring that all students with disabilities have equal access to the educational environment at Sonoma State University. Students are provided with the opportunity to have an interactive working relationship with DSS staff members in order to implement appropriate academic accommodations and services; and students are encouraged to take full advantage of the numerous campus-wide academic support services available to help themselves work to their highest potential.

Testing & Proctoring Services

Carson Hall 60

<http://testing.sonoma.edu/>

(707) 664-3437

Luis B. Vega, Testing Coordinator

Luis.vega@sonoma.edu

We provide testing and proctoring services to assist in the academic and professional advancement of SSU students, non-SSU students, and the public.

DREAM Center

Schulz 1119

Rosa Salamanca, Coordinator

dreamcenter@sonoma.edu

(707) 664-3541

The DREAM Center supports and advances the academic, personal, and professional development of undocumented students and allies by providing a safe, centralized space for services and resources.

Educational Opportunity Program (EOP)

Schulz 1119

<http://web.sonoma.edu/eop/>

eop@sonoma.edu

(707) 664-2427

EOP provides access, academic support, and transitional services improving the retention of first-generation, historically low-income students.

PUERTA Centro for Diversity in Teaching

Schulz 1119
Gustavo Flores, Director
floresg@sonoma.edu
(707) 664-4388

PUERTO Centro's purpose is to identify, foster, and support Latinx students' interest and preparation to enter and succeed as K-12 teachers.

Seawolf Scholars

Schulz 1119
web.sonoma.edu/eop/seawolf-scholars/
seawolf-scholars@sonoma.edu
(707) 664-2571

Seawolf Scholars provides current and former foster youth with advocacy, academic support, community building, and access to resources leading to educational success.

Student Support Services - Multilingual Achievers Program

Schulz 1119
trioss.sonoma.edu
trioss@sonoma.edu
(707) 664-2853

Student Support Services Multilingual Achievers Program provides multilingual students with individualized math and writing assistance along with specialized support in students' scholarly and professional advancement.

Student Support Services - United for Success

Schulz 1119
trioss.sonoma.edu
trioss@sonoma.edu
(707) 664-2853

United for Success provides a comprehensive array of academic and personal support services to help students who are first generation, low-income, and/or have a disability reach their goal of graduating with a bachelor's degree within six years.

Pre-Collegiate Programs

Pre-Collegiate Programs Building on Laurel Drive
<https://precollegiate.sonoma.edu/>

Pre-Collegiate Programs is home to eleven federally-funded TRIO programs. Our purpose is to provide information and services to families in SSU's local communities to prepare K-12 students for college success.

Academic Talent Search (ATS)

Pre-Collegiate Programs Building
<https://precollegiate.sonoma.edu/ats>
(707) 664-2359 (Sonoma)
(707) 467-5163 (Mendocino)

ATS motivates, informs and assists low-income, first-generation college-bound students to access and succeed in post-secondary education.

Upward Bound Programs

Pre-Collegiate Programs Building
<https://precollegiate.sonoma.edu>
(707) 664-3273 (Sonoma County, Math & Science, North, Piner)
(707) 994-6471 (Fort Bragg, Lower and Upper Lake)

Upward Bound provides first-generation college-bound students with academic readiness and resources necessary to access and graduate from a four-year college or university.

TRIO National Training Project

web.sonoma.edu/trio-training/
David Ferguson, Director
559.449.3565

Funded by the U.S. Department of Education, six TRIO Trainings are delivered throughout the United States annually for new TRIO Directors and for TRIO professionals who seek to improve their practice recruiting and serving hard-to-reach populations.

Student Engagement

Office of the Dean of Students

Student Center 3020
Ryan Jasen Henne, Dean of Students
dos@sonoma.edu
(707) 664-3078

Student Engagement provides access and resources for self-advocacy, leadership, cultivation, and transformative experiences to create a connected Sonoma State University community.

Campus Recreation

Recreation Center in Seawolf Plaza
web.sonoma.edu/campusrec
ssucampusrec@sonoma.edu
(707) 664-4FUN

As a department of the Student Affairs Division and the Health and Wellbeing cluster, Campus Recreation provides diverse recreational programs and services that support the holistic development of students. We are a living learning laboratory for the co-curricular experience, bridging campus engagement and student success. Campus Recreation is committed to student growth, sustainable actions, and a welcoming and inclusive environment.

Features and Programs includes:

- A state of the art fitness center with equipment for strength and cardio workouts
- In-Motion fitness classes in yoga, cycling, Zumba and more
- Personal Training Sessions
- An extensive list of intramural sports including soccer, volleyball, basketball, ping pong, flag football and more
- An indoor climbing wall with certified instructors
- The Low Ropes course for team building experiences
- Outdoor trips to the wild places in California and surrounding states through Outdoor Pursuits
- An Outdoor Resource Center that offers gear rental, bike rentals and a bike shop for basic repairs

Student membership is included in your student fees if you are a full time student (enrolled in 12 units). Faculty and staff membership can be purchased at the Recreation Center. Please visit our website for more information.

The HUB Cultural Center

Student Center 2nd Floor (by Associated Students)
web.sonoma.edu/hub/

thehub@sonoma.edu
(707) 664-4247

The HUB (Honoring. Uniting. Building.) cultivates an inclusive and equitable community and offers transformative cultural and educational programs that serve students' learning and support their overall wellbeing.

Honoring.

We believe that all people should be treated with dignity and respect. Differences in race, class, gender, sexuality, ability, nationality, and other intersecting identities and communities should not prevent people from living healthy, meaningful lives.

All of our lives are precious and meaningful.

We honor and value diversity of people, worldviews, and ideas. It is critical that we learn how to engage and work with people whose cultural and political perspectives are different and even opposite from our own.

Uniting.

The HUB is a place where all are invited to explore what it means to be a part of an authentic community. We welcome you as a whole person to bring all the parts of you that you want to share: your identities, perspectives, bodies, emotions, questions, concerns, lineages, strengths, and shadows. As a radically inclusive center and community, or whole system, we do our best to connect, engage, and learn with you. We invite you to explore this with us.

When the parts of ourselves and communities come together in authentic ways we are able to generate more power (energy) and experience greater vitality. And when we experience this vitality we increase our capacity to heal, evolve, and act.

Building.

We encourage students to help build a future that is more just, compassionate, and loving. Thoughtful social change is an ethical and spiritual necessity. We are aware that our world is afflicted by inequality, systems of discrimination, and ecological degradation, and so we enact change within ourselves and our communities. We envision a world where all people have equitable access to what we believe to be common resources: healthy food, clean water and environments, safe housing and community, viable livelihood, inspirational art, appropriate technologies and medicine, and relevant education. This is how we imagine social justice in a global context.

In the HUB we promote cultural expression and creativity because they are integral to well-being, social movements, and innovation.

Residential Education & Campus Housing (REACH)

Zinfandel
housing.sonoma.edu/

housing@sonoma.edu
(707) 664-2541

REACH provides safe, convenient, suite and apartment-style housing options for more than 3,200 students in six unique villages. All units are fully furnished and carpeted with their own living rooms and bathrooms; with apartment units containing fully equipped kitchens. Full-time and student staff members, as well as a few professors live on campus to help deepen resident's connection to their academics and overall college student life.

Student Conduct

Student Center 3020
studentaffairs.sonoma.edu/student-resources/student-conduct
(707) 664-3225

The Student Conduct office promotes a safe and secure campus environment for learning and growing by serving as the primary source of student conduct and academic integrity.

Student Involvement

Student Center, Student Activities Office, 2nd Floor
getinvolved.sonoma.edu/
studentinvolvement@sonoma.edu
(707) 664-4323

Student Involvement provides students with leadership opportunities, resources, challenges and support to create organic spaces of belonging and engagement. We also provide ways for students to engage in community, spirit and tradition through various social and educational programs and events.

Student Health Center

Student Health Center (between Library and Rachel Carson Hall)

health.sonoma.edu/

(707) 664-2921

Accredited by the Accreditation Association for Ambulatory Healthcare, Inc.

Sonoma State University maintains a nationally accredited, on-campus Student Health Center (SHC) that provides outpatient primary medical care as well as health education, public health, and disease prevention services for regularly enrolled SSU students. The Student Health Center is located along West Redwood Circle, between the Schultz Library/Information Center and Rachel Carson Hall, and East of the Zinfandel village area of the residence halls.

Hours: 8:00 a.m. to 5:00 p.m. M-Th, 9:30 a.m. to 5:00 p.m. Fridays, excluding campus closures and holidays.

Staffing: The Student Health Center's licensed professional staff includes board certified physicians, nurses, pharmacists, clinical lab scientist, and X-ray technologist.

Services: The SHC provides quality outpatient medical care for standard illnesses, injuries, and basic acute mental health concerns. Pharmacy, lab, x-ray, travel and athletic medicine, and preventative medical services such as immunizations, Pap smears, contraception, and health education are also provided. While interim and transitional care are offered for medical stabilization, support and continuity of care purposes, long term comprehensive care for chronic complex conditions that require hospitalization or 24/7 continuing treatment by a specialist, are beyond the scope, staffing, or hours of operation of the Student Health Center.

SHC medical visits, health education, and public health services are available at no additional charge to regularly enrolled SSU students who have paid the mandatory per semester student health fees. Nominal user fees are charged for pre-employment and pre-participation physicals and for summer services. Discounted user fees are also in place to cover the acquisition cost of medications, vaccines, specialized diagnostic tests, and certain other medical supplies.

Regularly enrolled SSU students who have paid the per semester mandatory campus health fees along with other SSU campus registration fees may receive basic medical visit services at Sonoma State University as well as other California State University Student Health Centers without additional charge during their regular academic year enrollment. Health insurance is not required to use the Student Health Center. However, personal health insurance is recommended, because students are financially responsible for medical services they receive outside the SHC and from off campus entities.

Confidentiality: SHC medical records and related individually identifiable health information are confidential and are held in a manner consistent with state and federal law as well as national accreditation standards. Parents, family members, University personnel, and other individuals who are not the healthcare providers and SHC support staff directly involved in the student's medical care do not have access to SHC medical information without the patient's consent.

Student Health Advisory Committee (SHAC): Opportunities for student involvement and advocacy relevant to campus health issues are available through SHAC and health promotion projects. To learn about SHAC and how to become involved go to <http://health.sonoma.edu/shac-student-health-activities-club>. Those interested in serving on SHAC are encouraged to contact the Student Health Center. Those interested in health promotion projects should contact the SHC Health Promotion Specialist.

Student Success and Advising

Student Center 3020
studentsuccess.sonoma.edu/
(707) 664-2231

The purpose of Student Success & Advising is to help students successfully navigate their academic journey from their first class to graduation through innovative programs and initiatives, holistic academic advising, and the use of student success technology.

The Advising and Transfer Center

Schulz 1125A
studentsuccess.sonoma.edu
(707) 664-2730
ssuadvisingcenter@sonoma.edu

The Advising & Transfer Center plays a key role in assisting students thrive and persist toward on-time graduation. Our Professional Academic Advisors providing holistic, proactive, and meaningful academic advising and individualized educational pathways to engage students in their learning experiences and progress to graduation. We also offer curricular and co-curricular transitions programming specifically for first-year, second-year, and transfer students.

Career Center

Location: International Hall 107
(707) 664-2198
careercenter@sonoma.edu
career.sonoma.edu/

The Sonoma State University Career Center works to support and empower students to be active participants in their career development process. Our Career Advisors provide comprehensive resources and advising that are holistically centered in each students' needs.

Military & Veteran Resource Center (MAVRC)

CalVet Fee Waivers:
Schulz First Floor
finaid@sonoma.edu
707.664.2389

MAVRC Office:
Schulz 1121
Kaila Shivers
Kaila.shivers@sonoma.edu
(707) 664-3588

Military & Veteran Programs provides support to our military-connected students by offering academic advising and programming geared toward academic success and community-building.

Orientation and Family Programs

Student Center 3020

orientation.sonoma.edu/

orientation@sonoma.edu

(707) 664-4464

Orientation & Family Programs facilitate the successful transition of students and their families to the Sonoma State community.

University Support Services

Alumni Association

Salazar Hall, 2nd Floor
(707) 664-2426

Senior Director of Alumni Engagement and Annual Giving
Tiffany O'Neil

The Sonoma State University Alumni Association develops and maintains interaction with alumni, students, faculty, staff, and the community. The Association provides membership services, programs, and special events for its alumni, and supports the University through direct contributions and the resources of its broad network of alumni. The Association awards the Ambrose R. Nichols Scholarship, The Heart of SSU Alumni Scholarship, and the Ronald O. Logsdon Jr. Scholarship. In addition, the Association sponsors the annual Distinguished Alumni Awards.

Membership in the Alumni Association is open to any individual who has attended Sonoma State University. New graduates receive 50% off lifetime membership. Membership benefits include: access to group medical, dental, and vision insurance; library borrowing privileges at SSU and all 23 CSU campuses; discounts for auto and home insurance; discounts for SSU athletics and performing arts events; discounts on Lifelong Learning and Excel youth program courses; E-Connection newsletters; special rates at the campus Recreation Center and select Green Music Center events; access and discounted annual fee for Career Services; and much more.

We invite you to learn more about how you can be involved at: www.ssualumni.org

Office of Research and Sponsored Programs

Schulz 3068
(707) 664-3715

Associate Vice President
Steve Karp

The Office of Research and Sponsored Programs (ORSP) supports faculty, students, and staff engaged in externally and internally funded research, scholarship, and creative activities (RSCA). ORSP provides comprehensive pre- and post-award assistance and compliance oversight covering the entire life cycle of an award, from finding funding and proposal development to accounting, reporting, and close out. The office is responsible for the University's institutional research compliance functions, developing, revising and implementing policies as necessary. ORSP strives to ensure accountability, compliance and good stewardship for sponsored programs and to promote a culture on campus that values RSCA.

Sonoma State Enterprises, Inc.

(707) 664-4068

Chief Operating Officer
Neil Markley

Sonoma State Enterprises, Inc., is a not-for-profit, auxiliary corporation of Sonoma State University, established to provide services that are not eligible for state funding, but are nonetheless crucial to the life of the campus. Sonoma State Enterprises operates retail and dining functions on the campus. Enterprises' net proceeds, after establishment of appropriate reserves, are provided to support the University. The corporation is governed by a policy-making board of directors comprised of faculty, staff, students, administrators, and community members.

Sonoma State University Foundation

Chairperson of the Board and President
Patricia Hiramoto

Chief Operating Officer and Secretary
Ian Hannah

The Sonoma State University Foundation is a nonprofit organization that plays an essential role in sustaining and enhancing the excellence of Sonoma State University through the raising and management of philanthropic support on behalf of the University, stewarding private donations to the University, and managing the University's endowment. It is governed by a dedicated volunteer Board of Directors.

University Advancement

Salazar Hall, 2nd Floor
(707) 664-2712

Interim Vice President for University Advancement
Patricia Hiramoto

The role of University Advancement is to facilitate and coordinate all private philanthropic support for the University.

Private philanthropy is essential for sustaining quality education for Sonoma State University students — now and in the future. Each generation benefits from the generosity of our alumni, parents, and friends. Donors can give outright or make a planned gift for current or future University priorities. Many donors choose to give unrestricted funds but gifts can also be designated to a specific endowment, campaign, school, department, or program.

Administration

President

Dr. Judy Sakaki, Ph.D.

Chief of Staff

Jerlena Griffin-Desta,

Provost, Executive Vice President for Academic Affairs and Chief Academic Officer

Lisa Vollendorf, Ph.D.

Associate Vice president for Academic Resources

Elias Lopez, Ph.D.

Senior Associate Vice President, Academic Programs

Karen Moranski, Ph.D.

Associate Vice President, Faculty Affairs

Deborah Roberts, Ph.D.

Associate Vice President, Office of Research and Sponsored Programs

Steve Karp

Associate Vice President for Information Technology & Chief Information Officer

Lee Krichmar

Associate Vice President, Institutional Effectiveness

Heather Brown, Ph.D.

Dean, School of Arts and Humanities

Hollis Robbins, Ph.D.

Dean, School of Business and Economics

Daniel Petree, Ph.D.

Dean, School of Education

David England, Ph.D.

Dean, School of Science and Technology

Lynn Stauffer, Ph.D.

Interim Dean, School of Social Sciences

Maureen Buckley, Ph.D.

Director, Anthropological Studies Center

Thomas Whitley

Dean, School of Extended and International Education

Robert Eyler, Ph.D.

Dean, University Library

Karen Schneider, Ph.D.

Vice President for Administration and Finance Chief Financial Officer

Joyce Lopes, M.B.A.

Associate Vice President for Administration and Finance

Neil Markley, M.B.A.

Associate vice president for Administration and Finance

David Crozier, M.B.A.

Associate Vice President, Human Resources

Jeff Banks,

Associate Vice President, Facilities Management

Dana Twedell

Chief Planning Officer

Christopher Dinno, B.A.

Deputy Director of Athletics

Jared Chasey,

Senior Director for Risk Management and Safety Services

Tyson Hill, M.P.A.

Title IX Officer and Director of OPHD

Sarah Clegg

Senior Director for University Budget

Laura Lupei, M.P.A.

Chief of Police

David Dougherty,

Executive Director for the Green Music Center

Jacob Yarrow, M.A.

Vice President for Student Affairs and Chief Student Affairs Officer

Wm. Gregory Sawyer

Assistant Vice President for Student Affairs

Laura Monje-Paulson,

Administrative Medical Director, Student Health Center

Georgia Schwartz, M.D.

Vice President for University Advancement

Mario A. Perez, Ed.D

Assistant Vice President for Advancement Operations

Ian Hannah, M.B.A.

Faculty

Dates listed in parentheses indicate year of tenure-track appointment to Sonoma State University.

List as of December 2017

Emily E. Acosta Lewis (2013)

Assistant Professor, Communication Studies

B.A. 2005, California State University, San Diego

M.A. 2008, Ph.D. 2012, University of Wisconsin-Madison

Theresa Alfaro-Velcamp (2003)

Professor, History

B.A. 1989, California Polytechnic State University, San Luis Obispo

M.S. 1990, London School of Economics and Political Science

M.A. 1995, Ph.D. 2001, Georgetown University

Puspa Amri (2017)

Assistant Professor, Economics

B.A. 2001, University of Indonesia

M.A. 2006, Johns Hopkins University

M.A. 2010, Ph.D. Claremont Graduate University

Owen A. Anfinsen (2015)

Assistant Professor, Geology

B.A. 2005, Gustavus Adolphus College

M.S. 2008, Washington State University

Ph.D. 2012, University of Calgary

Thomas S. Atkin (2001)

Professor, Business Administration

B.A. 1970, M.B.A. 1980, Ph.D. 2001, Michigan State University

Emiliano C. Ayala (2013)

Professor, Educational Leadership and Special Education

B.A. 1986, University of California, Santa Cruz

M.A. 1989, San Diego State University

Ph.D. 2000, San Diego State

University/Claremont Graduate University

Sandra M. Ayala (2011)

Associate Professor, Educational Leadership and Special Education

B.S. 1985, State University of New York, Geneseo

M.A. 1989, University of Northern Colorado, Greeley

Ph.D. 2010, University of California, Riverside

William Babula (1981)

Dean Emeritus, School of Arts and Humanities Professor, English

B.A. 1965, Rutgers University

M.A. 1967, Ph.D. 1969, University of California, Berkeley

Chiara D. Bacigalupa (2007)

Professor, Early Childhood Studies

B.A. 1987, University of California, Santa Cruz

M.A. 1991, California State University, Northridge

Ph.D. 2005, University of Minnesota

Christina N. Baker (2008)

Associate Professor, American Multicultural Studies

B.A. 2000, University of California, Los Angeles

M.A. 2003, Ph.D. 2007, University of California, Irvine

Jeffrey R. Baldwin (2009)

Associate Professor, Geography and Global Studies

B.A. 1979, M.A. 1998, Ph.D. 2003, University of Oregon

Melinda C. Barnard (1990)

Professor, Communication Studies

B.A. 1975, Ph.D. 1986, Stanford University

M.A. 1976, Harvard University

Edward J. Beebout (2007)

Associate Professor, Communication Studies

B.A. 1981, Humboldt State University

M.S. 1983, Iowa State University

Roger V. Bell, Jr. (1995)

Professor, Philosophy

A.B. 1966, University of California, Berkeley

M.A. 1971, San Francisco State University

Ph.D. 1975, State University of New York at
Stony Brook

Jesse J. Bengson (2015)

Assistant Professor, Psychology

B.A. 2003, Minot State University

M.S. 2005, Montana State University

Ph.D. 2011, University of California, Davis

Shannon K. Benine (2015)

Assistant Professor, Art and Art History

B.A. 2003, B.F.A. 2003, University of

Washington

M.F.A. 2007, University of Illinois

Jenny E. Bent (2011)

Associate Professor, Music

B.M. 1997, M.M. 1999, Boston University

D.M.A. 2010, University of Illinois at Urbana-
Champaign

Lisa Patrick Bentley (2016)

Assistant Professor, Biology

B.A. 2002, Barnard College of Columbia
University

Ph.D. 2008, Texas Tech University

Anthony Bish (1995)

Professor, Theatre Arts & Dance

B.A. 1984, Indiana University

M.F.A. 1989, Temple University

Stephen Bittner (2002)

Professor, History

B.A. 1993, University of Michigan

M.A. 1994, Ph.D. 2000, University of Chicago

Barbara E. Bloom (2000)

*Professor, Criminology and Criminal Justice
Studies*

B.A. 1979, M.S.W. 1981, San Francisco State
University

M.A. 1993, Ph.D. 1996, University of California,
Riverside

Cynthia A. Boaz (2008)

Professor, Political Science

B.A. 1992, Saint Mary's College of California

M.A. 1995, Ph.D. 2003, University of California,
Davis

Wanda L. Boda (1994)

Professor, Kinesiology

B.S. 1982, University of California, Irvine

M.A. 1986, University of Texas at Austin

Ph.D. 1991, University of Massachusetts at
Amherst

Alexis Boutin (2009)

Associate Professor, Anthropology

B.A. 2000, Pomona College

Ph.D. 2008, University of Pennsylvania

Florence G. Bouvet (2007)

Professor, Economics

B.A. 2000, Institut D'Etudes Politiques

M.A. 2002, Ph.D. 2006, University of California,
Davis

N. Samuel Brannen II (1999)

Professor, Mathematics and Statistics

B.A. 1983, University of California, Berkeley

B.A. 2013, Sonoma State University

M.A. 1991, Ph.D. 1994, University of California,
Davis

Glenn Brassington (2002)

Professor, Psychology

B.A. 1985, St. Joseph's College Seminary

M.A. 1993, San Jose State University

Ph.D. 2000, University of Missouri-Columbia

Tammy Brunk (2016)

Professor, Psychology

B.A. 1985, St. Joseph's College Seminary

M.A. 1993, San Jose State University

Ph.D. 2000, University of Missouri-Columbia

Brantley L. Bryant (2007)

Associate Professor, English

B.S. 1993, California State University, Stanislaus

M.S. 2013, DNP 2016, Colorado Mesa University

Maureen A. Buckley (1998)

Professor, Counseling

B.A. 1987, Bates College

M.A. 1990, Ph.D. 1995, Boston College

Elizabeth Ann Burch (1998)

Professor, Communication Studies

B.A. 1985, California State University, Hayward

M.A. 1991, San Francisco State University
Ph.D. 1997, Michigan State University

Megan Burke (2018)

Assistant Professor, Philosophy

B.A. 2004, George Mason University
M.A. 2006, San Diego State University
M.A. 2012, Ph.D. 2015, University of Oregon

Bryan Burton (2019)

Assistant Professor, Criminology and Criminal Justice

B.A. 2008, Ph.D. 2016, University of California, Irvine

Martha Byrne (2016)

Assistant Professor, Mathematics and Statistics

B.A. 2002, Know College
M.S. 2010, Ph.D. 1987, Rutgers University

Marco Calavita (2003)

Professor, Communication Studies

B.A. 1992, University of California, Santa Cruz
M.A. 1996, Ph.D. 2014, University of New Mexico

Christine M. Cali (2015)

Assistant Professor, Theatre Arts and Dance

B.F.A. 1997, Ohio University
M.F.A. 2006, Hollins University

Matthew Paolucci Callahan (2009)

Associate Professor, Psychology

B.S. 1999, Salem State College
M.S. 2006, Ph.D. 2008, The Pennsylvania State University

Angelo Camillo (2018)

Assistant Professor, Business Administration

A.A. Italian State Technical Institute, Campobasso
A.A. Technical Institute, Sorrento, Italy
B.B.A. Equivalent, Heidelberg, Germany
M.B.A. San Francisco, State University
Ph.D. Oklahoma State University

Richard Campbell, Jr. (2005)

Professor, Business Administration

B.S. 1990, St. Mary's College

M.A. 1996, University of San Francisco
Ph.D. 2002, University of Oregon

Susan E. Campbell (2008)

Associate Professor, Literacy, Elementary, and Early Education

B.A. 1977, Virginia Polytechnic Institute and State University
M.S. 1988, California State University, East Bay
M.A. 2003, Ph.D. 2006, University of California, Davis

Sergio Canavati de la Torre (2016)

Assistant Professor, Business administration

BBA 2007, William Jewell College
M.S. 1988, California State University, East Bay
M.B.A. 2009, M.A. 2012, Ph.D. 2015, University of Missouri-Kansas

Ellen B. Carlton (1990)

Professor, Kinesiology

B.A. 1975, Ph.D. 1989, University of California, Berkeley
M.S. 1982, California State University, Hayward

Rhianna H. Casesa (2015)

Assistant Professor, Literacy Studies and Elementary Education

B.A. 2003, Santa Clara University
B.S. 2003, Santa Clara University
M.A. 2011, Ph.D. 2015, San Diego State University

Kathryn J. Chang (2013)

Assistant Professor, Business Administration

M.A. 1989, Eastern Michigan University
Ph.D. 2013, The University of Toledo, Ohio

Letha Ch'ien (2017)

Assistant Professor, Art History

B.A. 2005, San Jose State University
Ph.D. 2014, University of California, Berkeley

Caroline Christian (2006)

Professor, Environmental Studies and Planning

B.A. 1994, University of California, Santa Cruz
Ph.D. 2002, University of California, Davis

Brett A. Christie (2000)

Professor, Curriculum Studies and Secondary Education

A.A. 1988, Diablo Valley College
B.A. 1991, M.A. 1995, California State University, Chico
Ph.D. 1997, University of New Mexico, Albuquerque

Emily Clark (2016)
Professor, Curriculum Studies and Secondary Education

A.A. 1988, Diablo Valley College
B.A. 1991, M.A. 1995, California State University, Chico
Ph.D. 1997, University of New Mexico, Albuquerque

Matthew L. Clark (2006)
Professor, Modern Languages and literatures
B.A. 2006, Rhodes College
M.A.T 2008, University of Memphis
M.A. 2011, Ph.D. 2016, University North Carolina at Chapel Hill

Michael Cohen (2005)
Professor, Biology
B.A. 1990, California State University, Northridge
Ph.D. 1996, University of California, Davis

Samuel Cohen (2015)
Assistant Professor, History
B.A. 2003, M.A. 2005, Ph.D. 2014, University of Toronto

R. Anderson Collinsworth (2008)
Associate Professor, Music
B.M. 1987, M.M. 1989, University of Nevada, Reno
D.M.A. 2008, Arizona State University

Lynn R. Cominsky (1986)
Professor, Physics and Astronomy
B.A. 1975, Brandeis University
Ph.D. 1981, Massachusetts Institute of Technology

Gillian F. Conoley (1994)
Professor, English
B.F.A. 1977, Southern Methodist University
M.F.A. 1983, University of Massachusetts at Amherst

Daniel E. Crocker (1999)
Professor, Biology
B.S. 1987, Georgia Institute of Technology
M.S. 1992, Ph.D. 1995, University of California, Santa Cruz

Steven Cuellar (2001)
Professor, Economics
B.S. 1988, San Jose State University
Ph.D. 1998, Texas A and M University

Kristen Daley (2003)
Professor, Theatre Arts & Dance
B.F.A. 1992, Ohio University
M.F.A. 2003, University of Washington

Naga Lakshmi Damaraju (2018)
Assistant Professor, Business Administration
B.S. 1992, M.A. 1994, B.A. 199, Osmania University
M.A. 2003, M.A. 2004, University of Texas at Dallas
Ph.D. 2008, Ohio State University

Joseph Dean (2005)
Associate Professor, Sociology
B.A. 1997, Pomona College
Ph.D. 2005, State University of New York, Albany

Carlos de Villasante (2009)
Assistant Professor, Studio Art Painting
B.A. 1993, Rhode Island School of Design
M.A. 1998, Memphis College of Art

Randall A. Dodgen (1995)
Professor, History
B.A. 1979, San Francisco State University
M.A. 1981, University of California, Davis
Ph.D. 1989, Yale University

Paul J. Draper (1998)
Professor, Theatre Arts & Dance
B.S. 1982, Northwestern University
M.F.A. 1990, Columbia University

Stephanie Dyer (2003)
Professor, Hutchins School of Liberal Studies
B.A. 1990, University of California, Davis

M.A. 1993, Ph.D. 2000, University of Pennsylvania

Charles A. Elster (2005)

Professor, Literacy, Elementary, and Early Education

B.A. 1976, Yale University

M.A. 1982, Ph.D. 1988, University of California, Berkeley

Kirsten Ely (2005)

Professor, Business Administration

A.B. 1979, University of California, Berkeley

M.B.A. 1982, Ph.D. 1988, University of Chicago

Steve Estes (2002)

Professor, History

B.A. 1994, Rice University

M.A. 1996, University of Georgia

Ph.D. 2001, University of North Carolina, Chapel Hill

Kelly Estrada (2005)

Professor, Curriculum Studies and Secondary Education

B.A. 1988, University of California, San Diego

M.A. 1991, Ph.D. 1997, University of California, Los Angeles

Robert Eyster (1998)

Dean, School of Education and International Education

Professor, Economics

B.A. 1992, California State University, Chico

M.A. 1994, Ph.D. 1998, University of California, Davis

Michael Ezra (2003)

Professor, American Multicultural Studies

B.A. 1994, Union College

M.A. 1997, Ph.D. 2001, University of Kansas

Kevin Fang (2018)

Assistant Professor, Geography, Environment and Planning

B.A. 2006, University of California, Berkeley

M.A. 2009, California Polytechnic State University

Ph.D. 2016, University of California, Davis

Farid Farahmand (2009)

Professor, Engineering Science

B.S. 1991, M.S. 1995, Ph.D. 2005, University of Texas at Dallas

Steven C. Farmer (2006)

Associate Professor, Chemistry

B.S. 1994, Ph.D. 2002, University of California, Davis

M.S. 1996, California State University, Sacramento

Clea Felien (2018)

Assistant Professor, Art and Art History

B.F.A., Minneapolis College of Art and Design

M.F.A. 2007, Vermont College

Johanna Filp-Hanke (1996)

Professor, Literacy, Elementary, and Early Education

B.A. 1968, M.A. 1970, University of British Columbia

Ph.D. 1987, Albert-Ludwig Universität, Germany

Andriana Foiles Sifuentes (2017)

Assistant Professor, Anthropology

B.S. 2002, University of Houston

M.A. 2004, Texas Women's University

Ph.D. 2014, University of Massachusetts, Amherst

Catherine Fonseca (2018)

Assistant Professor, Library Administration

M.L.S. 2018, Indiana University Bloomington

Benjamin J. Ford (1998)

Professor, Mathematics and Statistics

B.A. 1987, New College of Florida

M.S. 1989, Ph.D. 1993, University of Oregon

Benjamin Frymer (2005)

Associate Professor, Hutchins School of Liberal Studies

B.A. 1991, University of California, Berkeley

M.A. 1995, Ph.D. 2003, University of California, Los Angeles

Jon M. Fukuto (2008)

Professor, Chemistry

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B.A. 1980, M.A. 1983, Ph.D. 1988, University of
California, Davis

Thaine Stearns (2003)

Professor, English

B.A. (Business Administration) 1985, B.A.
(English) 1992, M.A. 1995, Ph.D. 1999,
University of Washington

Elenita Strobel (2003)

Professor, American Multicultural Studies

B.A. 1974, University of the Philippines
M.A. 1993, Sonoma State University
Ed.D. 1996, University of San Francisco

Meng-Chih Su (2006)

Professor, Physical Chemistry

B.S. 1976, Soochow University
M.S. 1981, Emporia State University
Ph.D. 1986, University of Arkansas

John P. Sullins (2003)

Professor, Philosophy

B.S. 1989, M.A. 1996, San José State University
Ph.D. 2002, Binghamton University

Janejira Sutanonpaiboon (2006)

Professor, Business Administration

B.E. 1995, Khon Kaen University
M.B.A. 2001, Indiana State University
Ph.D. 2006, Southern Illinois University

Parissa T. Tadrissi (2011)

*Associate Professor, Modern Languages and
Literatures*

B.A. 2000, University of California, Irvine
M.A. 2002, Ph.D. 2006, University of California,
Santa Barbara

Shubhi Taneja (2018)

Assistant Professor, Computer Science

B.A. 2012, Maharshi Dayanand University
Ph.D. Expected 2018, Auburn University

Thomas A. Targett (2015)

Assistant Professor, Physics and Astronomy

MPhys, 2003, Cardiff University
Ph.D. 2006, University of Edinburgh

Megan W. Taylor (2012)

Assistant Professor, Curriculum Studies and

Secondary Education

B.S. 2001, University of California, Davis
M.A. 2002, Ph.D. 2012, Stanford University

Elizabeth C. Thach (2000)

Professor, Business Administration

B.A. 1983, College of Notre Dame
M.A. 1987, Texas Tech University
Ph.D. 1994, Texas A and M University

Karen J. Thompson (2000)

Professor, Business Administration

B.S. 1989, California State Polytechnic
University, Pomona
M.A. 1992, Claremont Graduate University
Ph.D. 2000, State University of New York,
Buffalo

Sunil K. Tiwari (1997)

Professor, Mathematics and Statistics

B.A. 1983, M.A. 1985, University of Allahabad
M.S. 1991, New Mexico Institute of Mining and
Technology
Ph.D. 1997, Montana State University

Suzanne C. Toczyski (1998)

Professor, Modern Languages and Literatures

B.A. 1987, State University of New York, Buffalo
M.Phil. 1990, Ph.D. 1994, Yale University

Anastasia Tosouni (2016)

*Assistant Professor, Criminology and Criminal
Justice Studies*

Law Degree 1998, University of Athens, Greece
M.S. 2004, California State University, Long
Beach
Ph.D. 2010, University of California, Irvine

Robert Train (2002)

Professor, Modern Languages and Literatures

B.A. 1989, Ph.D. 2000, University of California,
Berkeley

Charlene Tung (2001)

Professor, Women's and Gender Studies

B.A. 1991, Grinnell College
M.A. 1996, Ph.D. 1999, University of California,
Irvine

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Associate Professor, Business Administration

B.A. 1979, College Misericordia
M.B.A. 1983, Hofstra University
Ph.D. 2000, University of South Carolina

Francisco H. Vázquez (1992)

Professor, Hutchins School of Liberal Studies

B.A. 1972, Claremont Men's School
Ph.D. 1977, Claremont Graduate University

Elisa R. Velásquez-Andrade, (1998)

Professor, Psychology

B.S. 1978, National University of Mexico
M.A. 1988, Ph.D. 1992, University of Texas at
Austin

Emily Vieira Asencio (2014)

*Assistant Professor, Criminology and Criminal
Justice*

B.S. 2000, M.A. 2003, Ph.D. 2005 University of
California, Riverside

Elita Virmani (2018)

Associate Professor, Early Childhood Studies

B.A. 2002, B.S. 2002, M.S. 2005, Ph.D. 2009,
University of California, Davis

Rajeev Virmani (2017)

*Assistant Professor, Curriculum Studies and
Secondary Education*

B.A. 1999, B.A. 1999, S.S.C.C. 2005, M.A. 2006,
University of California, Davis
Ed.D. 2014, University of San Francisco

Michael S. Visser (2005)

Professor, Economics

B.A. 2000, Western Washington University
M.S. 2002, Ph.D. 2005, University of Oregon

Andrew I. Wallace (1998)

Professor, Philosophy

B.A. 1982, University of Washington
M.A. 1988, Boston College
Ph.D. 1996, University of California, San Diego

Kayla Walters

Assistant Professor, Sociology

B.A. 2008, North Carolina State University
M.A. 2014, Ph.D. 2019, University of
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Timothy J. Wandling (1997)

Professor, English

B.A. 1988, University of California, Berkeley

M.A. 1993, Ph.D. 1997, Stanford University

Laura Waters (2017)

Assistant Professor, Geology

B.S. 2008, Juniata College

Ph.D. 2013, University of Michigan

Laura A. Watt (2006)

Professor, Environmental Studies and Planning

B.A. 1988, University of California, Berkeley

M.E.M. 1992, Duke University

Ph.D. 2001, University of California, Berkeley

Marcia R. "Tia" Watts (2001)

Professor, Computer Science

B.S. 1973, Indiana University of Pennsylvania

M.S. 1982, Villanova University

Ph.D. 1997, University of Pittsburg, PA

Mary Wegmann (2017)

Associate Professor, University Library

M.S., 2012, University of Texas Austin

B.A. 2006, Vassar College

Karen Werder (2017)

Assistant Professor, Nursing

Ph.D. 2005, Meridian University

M.S. 2012, University of California, San

Francisco

B.S. 1978, State University of New York, Buffalo

Richard Whitkus (1999)

Professor, Biology

B.A. 1978, Rutgers University

M.S. 1981, University of Alberta, Canada

Ph.D. 1988, Ohio State University

Thomas Whitley (2016)

Associate Professor, Anthropology

B.A. 1987, University of Washington

M.A. 1990, University of Pittsburg

Mary Ellen Wilkosz (2005)

Associate Professor, Nursing

B.S. 1985, San Francisco State University

M.S.N. 1992, Sonoma State University

Ph.D. 2009, University of California, San Francisco

Eric J. Williams (2008)

Associate Professor, Criminology and Criminal Justice Studies

B.A. 1994, Lehigh University

M.A. 2003, Ph.D. 2008, Rutgers University New Brunswick

Brian S. Wilson (2001)

Professor, Music

B.M. 1985, New England Conservatory

M.A. 1987, University of Chicago

D.M.A. 1992, University of Arizona, Tucson

Damien M. Wilson (2002)

Associate Professor, Business Administration

M.B.A. 2004, Ph.D. 2007, University of South

Australia

Krista Wolcott (2016)

Associate Professor, Nursing

B.S. 1998, University of Washington

M.S. 2011, Sonoma State University

Ph.D. 2015, University of California, San Francisco

John Wingard (2001)

Dean, School of Social Sciences

Professor, Anthropology

B.A. 1980, Pennsylvania State University

M.S. (Anthropology) 1982, University of Oregon

M.S. (Agricultural Economics) 1988, Ph.D. 1992, Pennsylvania State University

Steven V. Winter (1989)

Professor, Kinesiology

B.A. 1983, University of California, Los Angeles

M.S. 1984, University of Arizona

Ed.D. 1995, University of San Francisco

Chingling Wo (2005)

Associate Professor, English

B.A. 1996, National Central University, Taiwan

Ph.D. 2004, State University of New York at Stony Brook

Zachary Wong (2001)

Professor, Business Administration

B.S. 1988, California State University, Fresno
M.B.A 1993, University of Dubuque
Ph.D. 2000, University of Mississippi

Carmen Works (2001)

Professor, Chemistry

B.A. (Chemistry), B.A. (Psychology) 1996, San Francisco State University
Ph.D. 2000, University of California, Santa Barbara

Soo-Yeon Yoon (2018)

Assistant Professor, Sociology

B.A. 2006, University of Seoul
M.A. 2008, Seoul National University
Ph.D. 2017, University of Illinois at Urbana-Champaign

Adam P. Zagelbaum (2008)

Professor, Counseling

B.S. 1996, University of Florida
M.S. 1998, University of Southern Mississippi
Ph.D. 2005, Ball State University

Mackenzie L. Zippay (2015)

Assistant Professor, Biology

B.S. 2002, Arizona State University
Ph.D. 2009, University of California, Santa Barbara

Emeritus Faculty

Dates listed in parentheses indicate year of appointment to emeritus status.

* *Emeritus status pending*

Judith E. Abbott (2015)

Professor Emeritus, History

B.A. 1970 University of Minnesota
M.A. 1977, Ph.D. 1989, University of Connecticut

Marsha Adams (2001)

Professor Emeritus, Art and Art History

B.F.A. 1970, M.F.A. 1973, University of California, Irvine

Leslie K. Adler (2012)

Professor Emeritus, Hutchins School of Liberal

Studies

B.A. 1963, University of New Mexico
M.A. 1965, Ph.D. 1970, University of California, Berkeley

Jagannath P. Agrawal (2012)

Professor Emeritus, Computer and Engineering Science

B.E. 1966, University of Allahabad
M.S. 1969, University of Cincinnati
Ph.D. 1972, North Carolina State University

Chester L. Allen (2002)

Professor Emeritus, Business Administration

B.B.A. 1963, University of Texas at Austin
M.B.A. 1969, Texas A and I University
D.B.A. 1973, Texas Tech University

Julia M. Allen (2004)

Professor Emeritus, English

B.A. 1969, University of California, Riverside
M.A. 1976, Portland State University
Ph.D. 1988, University of Texas at Austin

Patricia Allen (2006)

*Student Services Professional Emeritus
Office of Campus Life*

A.A. 1981, Northern New Mexico CC
B.A. 1994, Sonoma State University

Gerald J. Alves (1986)

Professor Emeritus

Office of Testing Services

A.B. 1958, M.A. 1960, Chico State College

Luiza Amodeo (1992)

Professor Emeritus, Education

B.S. 1959, California State University, Sacramento
M.A. 1971, Western New Mexico University
Ph.D. 1977, University of California, Los Angeles

Ellen I. Amsterdam-Walker (1999)

Professor Emeritus, Music

A.B. 1957, A.M. 1959, Smith College
Ph.D. 1968, University of California, Berkeley

Sherri C. Anderson (2013)

Professor Emeritus, Business Administration

B.A. (Art) 1973, B.A. (Management) 1977,
Sonoma State University

C.P.A. 1980, M.B.A. 1983, San Francisco State University

Thomas B. Anderson (2007)

Professor Emeritus, Geology

B.S. 1961, Yale University

M.S. 1965, Ph.D. 1969, University of Colorado

Anthony Apolloni (2012)

Professor Emeritus, Political Science

B.S. 1968, M.A. 1969, Memphis State University

Ph.D. 1975, George Peabody College

Ruben Armiñana (2017)

Emeritus; Trustee Professor

A.A. 1966, Hill College

B.A. 1968, M.A. 1970, University of Texas at Austin

Ph.D. 1983, University of New Orleans

Kathryn Armstrong (2001)

Professor Emeritus, Art and Art History

B.F.A. 1955, University of Colorado

M.F.A. 1958, California College of Arts and Crafts

M.A. 1965, University of California, Berkeley

David O. Arnold (1994)

Professor Emeritus, Sociology

B.A. 1960, University of Chicago

M.A. 1962, University of Iowa

Ph.D. 1966, University of California, Berkeley

Sarah E. Baker (2013)

Professor Emeritus, English

B.M. 1965, M.A. 1965, Union University

M.A. 1998, Sonoma State University

Ph.D. 2004, The Union Institute

Michael E. Baldigo (2003)

Professor Emeritus, Business Administration

M.B.A. 1966, University of Chicago

M.B.A. 1971, Indiana University

B.A. 1976, B.S. 1978, State University of New Jersey

Ph.D. 1977, California Coast University

Marlene Ballaine (1997)

*Student Services Professional Emeritus
Enrollment Services*

Susan V. Barnes (2004)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1965, Rutgers University

M.S. 1971, University of Oklahoma

Ph.D. 1973, California School of Professional Psychology, San Francisco

William J. Barnier (2014)

Professor Emeritus, Mathematics and Statistics

B.A. 1961, M.S. 1963, San Diego State College

Ph.D. 1967, University California, Los Angeles

Joel Beak (2001)

Professor Emeritus, Business Administration

B.A. 1963, Miami University

M.A. 1964, University of Illinois

Ph.D. 1969, Case Western Reserve University

Philip H. Beard (2005)

Professor Emeritus, Modern Languages and Literatures

B.A. 1965, M.A. 1966, Ph.D. 1971, Stanford University

Jan Beaulyn (2007)

*Student Services Professional Emeritus,
International Services*

B.A. 1971, M.A. 2002, Sonoma State University

Timothy A. Bell (1999)

Professor Emeritus, Geography and Global Studies

B.A. 1958, Stanford University

M.A. 1964, Ph.D. 1971, University of Oregon

P. Sterling Bennett (1999)

Professor Emeritus, Foreign Languages

B.A. 1961, Harvard University

M.A. 1964, Ph.D. 1970, University of California, Berkeley

Barry Ben-Zion (2000)

Professor Emeritus, Economics

B.A. 1965, Sonoma State College

M.A. 1968, Ph.D. 1973, University of Oregon

Aaron Berman (1992)

Professor Emeritus, Foreign Languages

B.Ed. 1961, University of Miami

A.M. 1964, University of Michigan

Paul Bernstien (2017)

Professor Emeritus, Business Administration
J.D. 1985, University California, Los Angeles

Barbara A. Biebush (1995)

Librarian Emeritus, University Library
B.A. 1954, Stanford University
M.L.S. 1956, University of California, Berkeley

Dorothy M. Blake (1995)

Professor Emeritus, Nursing
B.S. 1956, M.Ed. 1958, University of Minnesota
M.H.S. 1976, University of California, Davis

Maurice Blaug (1998)

Professor Emeritus, Hutchins School of Liberal Studies
B.S. 1959, The City University of New York
M.S. (Physics) 1962, M.S. (Zoology) 1966, Ph.D. 1970, University of Minnesota, Minneapolis

Martin S. Blaze (1996)

Professor Emeritus, English
B.A. 1959, Queens College
M.A. 1960, Ph.D. 1970, New York University

Barbara Bloom (2018)

Professor Emeritus, Criminology and Criminal Justice
B.A. 1979, M.S.W. 1981, San Francisco State University
M.A. 1995, Ph.D. 2003, University of California, Davis

Julie Bonds (2014)

Professor Emeritus, Mathematics and Statistics
B.A. 1993, Sonoma State University
M.A. 2000, San Francisco State University

Nancy Bonner-Benson (2017)

Professor Emeritus, Kinesiology
M.A. 1996, John F. Kennedy University

Dennis Bozman-Moss (2017)

Professor Emeritus, English and Philosophy
B.A. 1978, South Dakota State University

Julie Bright (2018)

Lecturer Emeritus, Biology
B.S. 1978, M.S. 1983, Baylor University

F. Leslie Brooks, Jr. (2005)

Professor Emeritus, Chemistry
B.S. 1957, University of California, Berkeley
Ph.D. 1961, University of Washington

Robert F. Brown (1992)

Professor Emeritus, History
B.A. 1952, Johns Hopkins University
Doctorat de l'Université 1963, University of Paris, France

Phillip Brownell (2001)

Student Services Professional Emeritus, Counseling and Psychological Services
B.A. 1961, University of California, Berkeley
M.S. 1971, California State University, Hayward

Joe H. Brumbaugh (1992)

Professor Emeritus, Biology
B.S.Ed. 1952, Miami University
M.S. 1956, Purdue University
Ph.D. 1965, Stanford University

Michael Brunner (2017)

Professor Emeritus, English
M.A. 1979, California State University, San Francisco

Libby Byers (1992)

Professor Emeritus, Education
B.A. 1943, Hunter College
M.A. 1968, San Francisco State University
Ph.D. 1973, University of California, Berkeley

Noel Byrne (2016)

Professor Emeritus, Sociology
B.A. 1971, Sonoma State College
M.A. 1975, Ph.D. 1987, Rutgers University

Sharon L. Cabaniss (2014)

Professor Emeritus, Mathematics and Statistics
B.A. 1968, University of California, Berkeley
B.A. 1981, San Jose State University
M.A. 1984, Ph.D. 1986, University of California, Santa Cruz

Marilyn Cannon (2004)

Professor Emeritus, Biology
M.A. 1983, Sonoma State University

Cindy Caruso (2012)

*Student Services Professional Emeritus,
Financial Aid*

Edward D. Castillo (2012)

Professor Emeritus, Native American Studies
B.A. 1969, University of California, Riverside
M.A. 1977, University of California, Berkeley

Lorna Catford (2016)

Professor Emeritus, Psychology
Ph.D. 1987, Stanford University

Jean Bee Chan (2016)

Professor Emeritus, Mathematics and Statistics
B.S. 1960, M.S. 1961, University of Chicago
Ph. D. 1971, University California, Los Angeles

Kathleen Charmaz (2016)

Professor Emeritus, Sociology
B.S.1962, University of Kansas
M.A. 1969, San Francisco State
Ph.D. 1973, University of California, San Francisco

James L. Christmann (2014)

Professor Emeritus, Biology
B.S. 1968, Arizona State University
M.A. 1969, Ph.D. 1976 John Hopkins University

T.K. Clarke (2015)

Professor Emeritus, Business Administration
B.S. 1969, California Maritime Academy
Ph.D. 2005, University of Illinois

William Clopton (2000)

*Student Services Professional Emeritus
Disabled Student Services*
B.S. 1969, M.S. 1979, San Diego State University

Elizabeth Close (2017)

Professor Emeritus, Nursing
B.S. 1971, University of California, Davis
B.S. 1975, M.S. 1977, Ph.D. 1994, University of California, San Francisco

Galen E. Clothier (1995)

Professor Emeritus, Biology
B.A. 1955, Fresno State College
M.S. 1957, Ph.D. 1961, Oregon State University

Thomas P. Cooke (2004)

*Professor Emeritus, Educational Leadership and
Special Education*

B.A. 1970, M.A. 1971, University of South Florida

Ph.D. 1974, George Peabody College, Vanderbilt University

Katharyn W. Crabbe (2010)

Professor Emeritus, English
B.A. 1967, M.A. 1969, Ph.D. 1975, University of Oregon, Eugene

Eleanor C. Criswell (2008)

Professor Emeritus, Psychology
B.A. 1961, M.A. 1962, University of Kentucky
Ed.D. 1969, University of Florida

Gregory L. Crow (2004)

Professor Emeritus, Nursing
B.S. 1983, M.S. 1984, University of California, San Francisco
Ed.D. 1990, University of San Francisco

Paul L. Crowley (2017)

*Professor Emeritus, Literacy, Elementary, and
Early Education*
B.S. 1978, M.Ed. 1980, Ph.D. 1993, University of Missouri, Columbia

William Crowley (2007)

Professor Emeritus, Geography and Global Studies
B.A. 1964, University of California, Riverside
M.A. 1966, University of Cincinnati
Ph.D. 1972, University of Oregon

Stephen Cunninghame (2017)

Professor Emeritus, Athletics
B.A. 1983, Sonoma State University

Carole Curtis (2003)

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Financial Aid Office*
B.A. 1970, M.A. 1975, Humboldt State University

J. Hall Cushman (2017)

Professor Emeritus, Biology
B.S. 1982, Marlboro College

M.S. 1986, University of Arizona, Tucson
Ph.D. 1989, Northern Arizona University

Victor Daniels (2010)

Professor Emeritus, Psychology

B.A. 1962, San Francisco State College
M.A. 1964, Ph.D. 1966, University of California,
Los Angeles

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*Student Services Professional Emeritus, Student
Admissions and Records*

B.A. 1966 Stanford University

Sandra A. DeBella Bodley (2004)

Professor Emeritus, Nursing

B.S. 1968, Ed.D. 1985, University of San
Francisco
M.S. 1973, San Jose State University

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Early Education*

B.S. 1964, Ball State University
M.A. 1967, Ed.D. 1970, Teachers College,
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Joanne del Corral (2010)

Professor Emeritus, Physics and Astronomy

B.S. 1986, Sonoma State University

Forrest A. Deseran (2013)

*Professor Emeritus, Criminology and Criminal
Justice, and Sociology*

B.A. 1965, University of California, Santa
Barbara
M.A. 1972, Ph.D. 1975, Colorado State
University

Nirmal-Singh Dhesi (2000)

Professor Emeritus, English

B.A. 1950, M.A. 1954, Punjab University, India
Ph.D. 1968, Michigan State University

Jeffrey Dickemann (1990)

Professor Emeritus, Anthropology

B.A. 1950, University of Michigan
Ph.D. 1958, University of California, Berkeley

Marvin Dillon (1979)

Professor Emeritus, Office of Testing Services

B.A. 1949, M.A. 1950, Ph.D. 1955, University of
Denver

Donald A. Dixon (2010)

Professor Emeritus, Political Science

B.A. 1966, Sonoma State College
Ph.D. 1975, University of California, Santa
Barbara

Margaret H. Doherty (2011)

Professor Emeritus, Nursing

B.S. 1971, Stanford University
M.S.N. 1991, University of California, San
Francisco

Mary Dolan (2018)

Librarian Emeritus, University Library

B.A. 1982, Dartmouth College
M.L.I.S. 1987, University of California, Berkeley

Sarah Dove (2016)

Professor Emeritus, Business Administration

B.A. 1979, University California, Santa Barbara
M.S. 1980, University California, Davis
MIM 1986, American Graduate School of
International Management

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*Professor Emeritus, Educational Leadership and
Special Education*

B.A. 1970, Connecticut College
M.A. 1972, Trenton State College
Ph.D. 1980, University of California, Los Angeles

Helen D. Dunn (2010)

Professor Emeritus, English

B.A. 1962, Mount Mary College
M.A. 1965, Fordham University
Ph.D. 1980, University of California, Berkeley

John R. Dunning (2006)

Professor Emeritus, Physics and Astronomy

B.S. 1960, M.S. 1961, Yale University
Ph.D. 1965, Harvard University

Charles Douglas Earl (2009)

Professor Emeritus, Kinesiology

B.A. 1961, M.A. 1963, Chapman College
Ph.D. 1968, University of New Mexico

David L. Eck (2006)

Professor Emeritus, Chemistry

B.A. 1963, University of Montana

Ph.D. 1967, Washington State University

Saul Eisen (2008)

Professor Emeritus, Psychology

B.S. 1962, M.B.A. 1963, University of California, Los Angeles

Ph.D. 1969, Case-Western Reserve University

Rolfe C. Erickson (2005)

Professor Emeritus, Geology

B.S. 1959, Michigan Technological University

M.S. 1962, Ph.D. 1968, University of Arizona

Clement E. Falbo (1999)

Professor Emeritus, Mathematics and Statistics

B.A. 1956, M.A. 1958, Ph.D. 1963, University of Texas

Jean A. Falbo (1999)

Professor Emeritus, Environmental Studies and Planning

B.A. 1961, University of Utah

M.A. 1966, San Jose State University

Ph.D. 1972, University of Pittsburgh

Yvette M. Fallandy (1999)

Professor Emeritus, Foreign Language

B.A. 1948, Ph.D. 1958, University of California, Los Angeles

M.A. 1949, University of Oregon

Joann E. Feldman (2002)

Professor Emeritus, Music

B.A. 1963, Queens College

M.A. 1966, University of California, Berkeley

Norman Feldman (2007)

Professor Emeritus, Mathematics and Statistics

B.S. 1959, M.S. 1961, McGill University, Canada

A. Joan Felt (2010)

Professor Emeritus, Modern Languages and Literatures

B.A. 1965, Stanford University

M.A. 1970, Stanford University

Kenneth W. Flynn (2000)

Professor Emeritus, Kinesiology

B.S. 1956, Springfield College

M.S. 1961, Ithaca College

Ed.D. 1967, University of Oregon

James Fouché (2013)

Professor Emeritus, Curriculum Studies and Secondary Education

B.A. 1968, M.A. 1972, Louisiana State University, New Orleans

Ph.D. 1978, University of Florida

Martha J. Frankel (2013)

Professor Emeritus, Nursing

B.S. 1980, M.A. 2005, Sonoma State University

M.S.N. 1993, University of San Francisco

Laurel A. Freed (2001)

Professor Emeritus, Nursing

B.S. 1966, California State College, Los Angeles

M.N. 1970, University of California, Los Angeles

P.N.P. 1976, University of California, Los Angeles Extension

Dorothy E. Freidel (2010)

Professor Emeritus, Geography and Global Studies

B.A. 1987, Sonoma State University

M.A. 1989, Ph.D. 1993, University of Oregon

Johanna Fritsche (1982)

Librarian Emeritus, University Library

B.A. 1936, Hunter College

B.S.L.S. 1939, Columbia University, School of Library Service

Vivian A. Fritz (1998)

Professor Emeritus, Kinesiology

B.A. 1963, Southwest Texas State University

M.A. 1964, Ball State University

Robert Y. Fuchigami (1992)

Professor Emeritus, Education

B.A. 1956, M.A. 1958, San Jose State College

Ed.D. 1964, University of Illinois

James B. Gale (2010)

Professor Emeritus, Kinesiology

B.S. 1962, M.Ed. 1964, Miami University

Ph.D. 1970, University of Wisconsin

Stephen Galloway (2013)

Professor Emeritus, Art and Art History
B.A. 1991, M.F.A. 1994, San Francisco State University

Elizabeth Galvez-Hard (2018)

Lecturer Emeritus, Literacy Studies and Elementary Education
B.A., M.A. 1992 California State University, Humboldt
Ed.D. 2006, University of California, San Francisco

Francisco Gaona (2004)

Professor Emeritus, Modern Languages and Literatures
B.A. 1953, Yale University
Ph.D. 1963, Tübingen University, Germany

Susan B. Garfin (2004)

Professor Emeritus, Sociology
B.A. 1964, Stanford University
M.A. 1965, The Fletcher School of Law and Diplomacy
Ph.D. 1973, University of California, Berkeley

Victor Garlin (2006)

Professor Emeritus, Economics
B.A. 1956, M.A. 1961, Ph.D. 1965, University of California, Berkeley
J.D. 1983, University of California, Hastings College of the Law

Irene Garmston (1995)

Student Services Professional Emeritus

Lucia Gattone (2004)

Counselor Emeritus, Counseling and Psychological Services
M.A. 1984, Sonoma State University

Bernice Goldmark (1995)

Professor Emeritus, Education
B.S.Ed. 1945, College of the City of New York
M.Ed. 1957, Ph.D. 1963, University of Arizona

Myrna Goodman (2013)

Associate Professor Emeritus, Sociology
B.A. 1988, Sonoma State University
M.A. 1990, Ph.D. 2002, University of California, Davis

Richard H. Gordon (2004)

Professor Emeritus, Computer Science
B.A. 1968, Harvard University
Ph.D. 1976, University of California, Berkeley

James E. Gray (2009)

Professor Emeritus, American Multicultural Studies
B.A. 1967, M.A. 1975, San Francisco State College
Ph.D. 1984, University of California, San Francisco

Robert Greenway (1996)

Professor Emeritus, Psychology
B.S. 1955, University of Washington
M.A. 1966, Brandeis University

Frederick J. Griffin (2015)

Professor Emeritus, Biology
B.S. 1970, University of California, Davis
B.A. 1979, M.A. 1981, Sonoma State University
Ph.D. 1987, University of California, Davis

Robert Gronendyke (1992)

Professor Emeritus, Art and Art History
B.A. 1955, M.A. 1960, California State College, Long Beach

Velma Guillory-Taylor (2008)

Professor Emeritus, American Multicultural Studies
Ed.D. 1993, University of San Francisco

William H. Guynn (2008)

Professor Emeritus, Modern Languages and Literature
B.A. 1963, Ph.D. 1980, University of California, Berkeley
M.A. 1964, Middlebury College in Paris

Betty W. Halpern (1995)

Professor Emeritus, Education
B.A. 1949, M.A. 1960, Ed.D. 1968, University of California, Berkeley

Paula C. Hammett (2016)

Professor Emeritus, University :Library
B.A. 1978, Sonoma State University
M.L.I.S. 1985, University of California, Berkeley

Deborah Hammond (2017)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1974, Stanford University

M.A. 1991, Ph.D. 1997, University of California, Berkeley

David F. Hanes (2003)

Professor Emeritus, Biology

B.A. 1959, Wittenberg University

M.S. 1961, University of Michigan

Ph.D. 1971, Oregon State University

Patricia Hansen (2016)

Professor Emeritus, Psychology

B.A. 1968, Occidental College

M.A. 1996, Sonoma State University

Marcia K. Hart (2000)

Professor Emeritus, Kinesiology

B.A. 1961, California State University, Los Angeles

M.A. 1972, Ball State University

Carol A. Harvey (2015)

Professor Emeritus, Counseling

M.S. 1987, San Francisco State University

Gerald W. Haslam (1998)

Professor Emeritus, English

B.A. 1963, M.A. 1965, San Francisco State College

Ph.D. 1980, Union Graduate School

Sue E. Hayes (2012)

Professor Emeritus, Economics

B.A. 1965, Stanford University

M.S. 1973, Ph.D. 1975, University of California, Berkeley

Daniel L. Haytin (2004)

Professor Emeritus, Sociology

B.A. 1966, M.A. 1967, Ph.D. 1969, University of California, Berkeley

Carole L. Heath (2015)

Professor Emeritus, Nursing

A.S., R.N. 1972, Ventura College

B.S.N. 1975, Sonoma State University

M.S. 1978, San Jose State University

Ed.D. 1996, University of San Francisco

Colin O. Hermans (1998)

Professor Emeritus, Biology

B.A. 1958, Pomona College

M.S. 1964, Ph.D. 1966, University of Washington

Elizabeth Herron (2007)

Professor Emeritus, Arts and Humanities Mentor Program

B.A. 1964, M.A. 1966, San Francisco State University

Maria Hess (2016)

Professor Emeritus, Psychology

B.A. Social welfare, B.A Psychology, California State University, Chico

M.A. 1984, The Sonoma Institute

Ph.D. 2000, California Institute of Integral Studies

Bryant Hichwa (2009)

Professor Emeritus, Physics and Astronomy

B.S. 1968, Georgetown University

Ph.D. 1973, University of Notre Dame

Manuel Hidalgo (2007)

Professor Emeritus, Chicano and Latino Studies

B.A. 1968, California State College, Hayward

M.A. 1985, San Jose State University

Susan M. Hillier (2014)

Professor Emeritus, Psychology

B.S. 1975, M. Ed. 1979, Ph.D. 1988, University of California, Davis

G. Arthur Hills (1998)

Professor Emeritus, Music

B.A. 1953, Cascade College

M.A. 1955, University of Portland, Oregon

James Hiserman (2012)

Athletic Coach Emeritus, Athletics

B.S. 1974, California State University,

Polytechnic San Luis Obispo

Janice E. Hitchcock (2000)

Professor Emeritus, Nursing

B.S. 1960, Simmons College

M.S. 1966, D.N.Sc. 1989, University of California, San Francisco

Vincent D. Hoagland, Jr. (2003)

Professor Emeritus, Chemistry

B.A. 1962, Wesleyan University

Ph.D. 1967, Florida State University

V. Skip Holmgren (2000)

Professor Emeritus, Counseling

B.A. 1951, Gustavus Adolphus College

M.S. 1966, St. Cloud State University

Ph.D. 1981, University of New Mexico

John D. Hopkirk (1998)

Professor Emeritus, Biology

B.A. 1957, California State University,

Sacramento

M.A. 1962, Ph.D. 1967, University of California,

Berkeley

Ahmad Hosseini (2003)

Dean Emeritus, School of Business and Economics

Professor Emeritus, Business Administration

B.A. 1972, Institute of Advanced Accounting, Iran

M.A. 1975, Ball State University

Ph.D. 1981, University of Missouri, Columbia

Phil S. Huang (1992, 2010)

Librarian Emeritus, University Library

B.A. 1981, Fudan University, China

M.L.I.S. 1983, State University of New York, Buffalo

Judith A. Hunt (1990, 2004)

Associate Vice President for Faculty Affairs; Professor Emeritus, Psychology

A.B. 1960, Brown University

M.S. 1964, Ph.D. 1964, Northwestern University

Sally Hurtado de Lopez (2004)

Professor Emeritus, Literacy, Elementary, and Early Education

B.A. 1965, California State College, Long Beach

M.S. 1968, University of Southern California

Sherii A. Jaffe (2016)

Professor Emeritus, English

B.A. 1967, University of California, Berkeley

M.A. 1970, San Francisco State College

M.F.A. 2001, Bennington College

Bernd Jager (1995)

Professor Emeritus, Psychology

B.A. 1962, M.A. 1963, San Francisco State College

Ph.D. 1965, Duquesne University

Robert Jefferson (2004)

Professor Emeritus History

B.A. 1963 University of California, Berkeley

M.A. 1965, University of Oregon

Ph.D. 1972, University of Utah

William T. Johnson (2008)

Professor Emeritus, Music

B.A. 1964, Princeton University

M.A. 1966, University of California, Berkeley

Fred Jorgensen (2000)

Student Services Professional Emeritus, Housing Services

B.A. 1961, California State University, Long Beach

M.A. 1967, University of New Mexico

Margaret Jourdain (2001)

Librarian Emeritus, University Library

B.A. 1978, Humboldt State University

M.L.I.S. 1987, University of California, Berkeley

Paul Juhl (1987)

Professor Emeritus, Business Administration

B.A. 1946, LL.B. 1948, University of Iowa

M.S. 1966, San Francisco State College

W. Dennis Kahn (2003)

Professor Emeritus, Music

B.M. 1972, Ithaca College

Deborah R. Kakalik (2000)

Professor Emeritus, Education

B.A. 1959, California State University, Los Angeles

B.A. 1969, Ed.D. 1971, University of California, Los Angeles

Leonard P. Kania (2009)

Professor Emeritus, Nursing

A.S. 1983, University of the State of New York

B.A. 1969, University of South Florida

M.A. 1975, Chapman University

Bjorn Karlsen (1985)

Professor Emeritus, Education

B.A. 1949, State Teacher's College of Oslo, Norway

M.A. 1951, University of Nebraska

Ph.D. 1954, University of Minnesota

Robert A. Karlsrud (2007)

Dean Emeritus, School of Social Sciences

Professor Emeritus, History

B.A. 1961, University of California, Berkeley

M.A. 1965, Ph.D. 1972, University of California, Los Angeles

Mira-Lisa Katz (2016)

Professor Emeritus, English

B.A. 1988, Mills College

M.A. 1993, Ph.D. 1999, University of California, Berkeley

Nelson R. "Buzz" Kellogg (2014)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1980, Brigham Young University

Ph.D. 1986, Johns Hopkins University

Marvin L. Kientz (1998)

Professor Emeritus, Chemistry

B.A. 1958, M.A. 1959, Fresno State College

Ph.D. 1966, University of Western Ontario, Canada

Deborah Kindy (2018)

Professor Emeritus, Nursing

Ph.D. 1996, University of Arizona

Paul King (2000)

Athletic Coach Emeritus

B.A. 1979, M.A. 1980, Sonoma State University

Chris K. Kjeldsen (2006)

Professor Emeritus, Biology

B.A. 1960, College of Pacific

M.S. 1962, University of the Pacific

Ph.D. 1966, Oregon State University

Kathryn L. Klein (1990)

Professor Emeritus, Physical Education and Health Science

B.S. 1960, University of Michigan

M.S. 1966, University of Washington

Ph.D. 1971, University of Southern California

James L. Kormier (1995)

Professor Emeritus, English

B.A. 1951, University of California, Berkeley

M.A. 1962, San Francisco State College

Jeanette H. Koshar (2015)

Professor Emeritus, Nursing

B.A. 1974, San Diego State University

M.S.N. 1979, Ph.D. 1996, University of California, San Francisco

John F. Kramer (2011)

Professor Emeritus, Political Science

B.A. 1959, Miami University

M.S. 1961, University of Illinois

Ph.D. 1969, Massachusetts Institute of Technology

Heidi K. La Moreaux (2016)

Professor Emeritus, Hutchins School of Liberal Studies

B.S. 1990, M.S. 1991, University of Utah

Ph.D. 1999, University of Georgia

C. Jeffrey Langley (2014)

Professor Emeritus, Music

B.Mus. 1979, M.Mus. 1980, D.M.A. 1984, The Julliard School

Virginia M. Lea (2008)

Professor Emeritus, Literacy, Elementary, and Early Education

B.Ed. 1971, University of London

M.A. 1992, San Francisco State University

Ph.D. 1998, University of California, Berkeley

Terry M. Lease (2015)

Professor Emeritus, Business Administration

B.S. 1983, Wake Forest University

M.A.T. 1985, Baylor University

Ph.D. 1996, University of Southern California

Ardath M. Lee (1999)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1955, Michigan State University

M.A. (Humanities) 1961, M.A. (English) 1963,

M.A. (Art History) 1965,
Ph.D. 1972, Wayne State University

William R. Lee (2001)

Professor Emeritus, English

B.A. 1964, M.A. 1966, Wayne State University
Ph.D. 1972, University of Connecticut

Raymond G. Lemieux (1990)

Professor Emeritus, Foreign Languages

B.A. 1958, Northeastern University
M.A. 1960, Ph.D. 1969, The University of Iowa

Anne Lewis (1998)

Professor Emeritus, Education

B.A. 1974, M.A. 1979, University of California,
Riverside

Stephen D. Lewis (2004)

Professor Emeritus, Economics

B.A. 1963, University of California, Davis
Ph.D. 1969, University of California, Santa
Barbara

Wingham J. Liddell, Jr. (2004)

Professor Emeritus, Business Administration

M.A. 1967, M.B.A. 1967, Ph.D. 1969, University
of California, Berkeley

Han-sheng Lin (1994)

Professor Emeritus, History

B.A. 1954, National Taiwan University
M.A. 1958, University of South Carolina
Ph.D. 1967, University of Pennsylvania

Michael Litle (2017)

Professor Emeritus, Communication Studies

B.A. 1967, Dartmouth College
M.A. 1970, Stanford University
Ph.D. 1997, Union for Experimental Colleges
and Universities

Lynn K. Lowery (2014)

*Student Services Professional Emeritus
University Support Services*

B.A. 1974 San Francisco State University
M.A. 1989 Sonoma State University

Wallace M. Lowry (2001)

Professor Emeritus, Business Administration

B.A. 1955, Stanford University

M.B.A. 1969, University of California, Berkeley

Jane Luchini (2004)

*Student Services Professional Emeritus
Student Services*

Frederick W. "Rick" Luttmann (2014)

Professor Emeritus, Mathematics and Statistics

B.A. 1961, Amherst College
M.S. 1964, Stanford University
Ph.D. 1967, University of Arizona

Robert E. Lynde (1996)

Professor Emeritus, Kinesiology

B.A. 1954, M.A. 1960, California State
University, Sacramento
M.S. 1968, Ed.D. 1969, University of Oregon

Nancy E. Lyons (2012)

Professor Emeritus, Theatre Arts and Dance

B.A. 1966, University of California, Berkeley
M.A. 1968, Mills College

Duncan M. MacInnes (2002)

*Professor Emeritus, Curriculum Studies and
Secondary Education*

B.A. 1960, University of British Columbia
M.A. 1966, San Francisco State College

Antoinette O. Maleady (1982)

Librarian Emeritus, University Library

B.S. 1940, West Virginia Wesleyan College
M.L.S. 1968, University of California, Berkeley

Linda Mansi (2018)

Lecturer Emeritus, Business Administration

Life Teaching Credentials for Elementary,
Secondary and Community College
B.A. California Polytechnic University, Pomona
M.A. Sonoma State University
Juris Doctor, Empire College of Law

Kenneth K. Marcus (1998)

*Professor Emeritus, Criminal Justice
Administration*

B.A. 1952, M.A. 1953, University of Michigan
Ph.D. 1961, University of Illinois

Perry M. Marker (2015)

Professor Emeritus, Curriculum Studies and

Secondary Education

B.S. 1973, M.S. 1978, Bowling Green State University
Ph.D. 1986, Indiana University, Bloomington

Richard L. Marks Jr. (2008)

Professor Emeritus, Curriculum Studies and Secondary Education

B.A. 1972, University of California, Berkeley
M.A. 1975, San Francisco State University
Ph.D. 1990, Stanford University

Daniel W. Markwyn (2002)

Professor Emeritus, History

B.A. 1959, University of Colorado
M.A. 1967, San Jose State College
Ph.D. 1970, Cornell University

Patricia A. Marren (2000)

Student Services Professional Emeritus Financial Aid

B.A. 1985, Sonoma State University

Donald D. Marshall (2001)

Professor Emeritus, Chemistry

B.A. 1957, University of California, Davis
M.S. 1958, University of Nevada
Ph.D. 1965, Washington State University

Douglas R. Martin (2005)

Professor Emeritus, Chemistry and Science Education

B.S. 1969, California State University, Sacramento
Ph.D. 1973, University of California, Berkeley

Leonide L. Martin (1992)

Professor Emeritus, Nursing

B.S. 1963, McNeese State College
M.S. 1967, F.N.P. 1973, University of California, Los Angeles
M.P.H. 1979, D.P.H. 1983, University of California, Berkeley

Suzanne Martin (2001)

Librarian Emeritus, University Library

B.A. 1966, San Francisco State College
M.L.S. 1967, University of California, Berkeley
M.A. 1979, San Francisco State University
Ed.D. 1991, University of San Francisco

Elizabeth Conrad Martinez (2010)

Professor Emeritus, Modern Languages and Literatures

B.A. 1983, Portland State University
M.A. 1991, New York University
Ph.D. 1995, University of New Mexico, Albuquerque

Peter Maslan (1998)

Professor Emeritus, Theatre Arts & Dance

B.A. 1964, University of Washington
M.A. 1968, San Francisco State University

Marylou McAthie (1990)

Professor Emeritus, Nursing

B.S. 1953, M.S. 1956, De Paul University
Ed.D. 1980, University of San Francisco

Barbara Lesch McCaffry (2011)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1968, Brooklyn College
M.A. 1970, University of Maryland
Ph.D. 1979, University of Wisconsin, Madison

William E. McCreary (1992)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1951, Westminster College
M.A. 1955, Columbia University
Ph.D. 1962, University of Wisconsin

Stanley V. McDaniel (1992)

Professor Emeritus, Philosophy

B.A. 1953, University of California, Santa Barbara
M.A. 1968, University of California, Los Angeles

B. Elaine McHugh (2016)

Professor Emeritus, Kinesiology

B.A. 1969, Oberlin College
M.A. 1973, University California, Los Angeles
Ph.D. 1995, Texas Womens University

Susan R. McKillop (2009)

Professor Emeritus, Art and Art History

A.B. (English), B.J. (Journalism), 1951, University of Missouri, Columbia
M.A. 1953, University of California, Berkeley
Ph.D. 1966, Harvard University

Peter J. D. Mellini (2002)

Professor Emeritus, History

B.A. 1962, M.A. 1965, Ph.D. 1971, Stanford University

Edith P. Mendez (2014)

Professor Emeritus, Mathematics and Statistics

B.A. 1964, Mount Holyoke College
M.A. 1992, San Francisco State University
Ph.D. 1998, Stanford University

Edith Menrath (1988)

Professor Emeritus, Psychology

Higher School Certificate, Cambridge University
License-es-Lettres, University of Paris, France

Mark Merickel (2018)

Professor Emeritus, Curriculum Studies and Secondary Education

Ph.D. 1989, Oregon State University

Andrew Merrifield (2017)

Professor Emeritus, Political Science

B.A. 1971, Oregon State University
M.A. 1975, Portland State University
M.A. 1986, Sonoma State University
Ph.D. 1993, University of California, Davis

Charles H. Merrill (2008)

Professor Emeritus, Psychology

B.S. 1961, M.S. 1962, East Texas State University
Ed.D. 1968, University of Florida

Susan G. Miller (2005)

*Student Services Professional Emeritus
School of Business and Economics*

Carroll Mjelde (1996)

Professor Emeritus, Education

B.A. 1955, M.A. 1962, Ph.D. 1964, University of Washington, Seattle

Manus Monroe (2013)

Professor Emeritus, Chemistry

Ph.D. 1972, University of Utah

Kristen Montgomery (2006)

Student Services Professional Emeritus, School of Business and Economics

M.A. 1993

Edward F. Mooney (2002)

Professor Emeritus, Philosophy

B.A. 1962, Oberlin College
M.A. 1966, Ph.D. 1968, University of California, Santa Barbara

Birch Moonwoman (2015)

Professor Emeritus, English

B.A. 1981, M.A. 1983, Sonoma State University
M.A. 1996, Ph.D. 1991, University of California, Berkeley

Fred A. Moore (1992)

Professor Emeritus, Counseling

B.A. 1955, University of California, Los Angeles
M.S. 1962, California State College, Los Angeles
Ed.D. 1971, University of Southern California

Katherine Morris (2018)

Professor Emeritus, Literacy Studies and Elementary Education

B.A. 1987, University of California, Berkeley
M.A. 1995, California State University, San Francisco
Ph.D. 2003, University of Michigan, Ann Arbor

Edgar W. Morse (1990)

Professor Emeritus, Hutchins School of Liberal Studies

B.S. 1951, Illinois Institute of Technology
M.A. 1965, Ph.D. 1972, University of California, Berkeley

Susan G. Moulton (2012)

Professor Emeritus, Art and Art History

B.A. 1966, University of California, Davis
M.A. 1969, Ph.D. 1977, Stanford University

J. Anthony Mountain (2011)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1961, Columbia University
M.A. 1965, Ph.D. 1970, University of Washington

Jamal H. Munshi (2004)

Professor Emeritus, Business Administration

B.S. 1970, San Jose State University
M.S. 1974, Colorado School of Mines
Ph.D. 1991, University of Arkansas

Rose Murray (1995)

Professor Emeritus, Nursing

B.S. 1966, University of British Columbia

M.S. 1968, University of California, San Francisco Medical Center

Gwen Neary (2010)

Professor Emeritus, English

B.A. 1969, University of California, Santa Cruz

M.A. 1971, Ph.D. 1994, University of California, Berkeley

Constance Nelsen (2002)

Student Services Professional Emeritus

School of Business and Economics

Thomas C. Nelson (2003)

Professor Emeritus, Mathematics and Statistics

B.S. 1961, M.S. 1963, Santa Clara University

Ph.D. 1969, Oregon State University

H. Andrea Neves (2006)

Professor Emeritus, Literacy, Elementary, and Early Education

B.A. 1967, Universidad de las Americas, Mexico City

M.A. 1972, California State University, Sacramento

Ph.D. 1984, Stanford University

Michael S. Noble (1995)

Professor Emeritus, Business Administration

B.A. 1972, University of Arizona

M.B.A. 1973, Ph.D. 1978, Arizona State University

Thomas F. Nolan (2004)

Professor Emeritus, Nursing

B.A. 1961, M.Div. 1965, Saint John's University

B.S. 1972, Cornell University

M.A. 1974, Ph.D. 1980, New York University

Lilybeth Nosce (2018)

Lecturer Emeritus, Biology

M.D. 1989, Far Eastern University, Manila, Philippines

Philip Northen (2007)

Professor Emeritus, Biology

B.A. 1963, Grinnell College

M.A. 1968, Ph.D. 1970, University of Wisconsin

Bob L. Nugent, Jr. (2006)

Professor Emeritus, Art and Art History

B.A. 1969, M.F.A. 1971, University of California, Santa Barbara

Jan Nunn (2018)

Professor Emeritus, Art

B.F.A. 1988, University of Alaska

M.F.A. 1992, San Francisco Art Institute

Lane E. Olson (2013)

Student Services Professional Emeritus,

Credentials - School of Education

M.A. 1998, Dominican College of San Rafael

Thomas Ormond (2007)

Professor Emeritus, Kinesiology

B.Ed. 1979, Massey University, New Zealand

M.S. 1985, Indiana University

Ph.D. 1988, Ohio State University

David Page (2012)

Professor Emeritus, Communications

B.A. 1987, California State University, Sonoma

Sue T. Parker (2002)

Professor Emeritus, Anthropology

A.B. 1966, M.A. 1969, Ph.D. 1973, University of California, Berkeley

Don Patterson (2000)

Professor Emeritus, English

B.A. 1959, North Texas State College

M.A. 1964, North Texas State University

James E. Pedgrift (2011)

Professor Emeritus, Mathematics and Statistics

B.A. 1971, University of California, Berkeley

M.S. 1977, North Carolina State University at Raleigh

Mark A. Perlman (2016)

Professor Emeritus, Art and Art History

B.F.A. 1974, Eastern Michigan University

M.F.A. 1978, West Virginia University

Bruce N. Peterson (2013)

Student Services Professional Emeritus,

Educational Opportunity Program

B.A. 1971, University of California, Los Angeles
M.S. 1982, California State University, San Diego

Ervand M. Peterson (2015)

Professor Emeritus, Environmental Studies and Planning

Ph.D. 1984, University of Michigan

Charles J. Phillips (1992)

Professor Emeritus, Mathematics and Statistics

B.A. 1948, M.A. (Mathematics) 1963, San Jose State College

M.A. (Education) 1949, Stanford University

Ph.D. 1969, Oregon State University

Michael Pinkston (2011)

Student Services Professional Emeritus Counseling and Psychological Services

Ph.D. 1974, Texas Tech University

Robert G. Plantz (2004)

Professor Emeritus, Computer Science

B.S. 1962, University of California, Berkeley

MSEE 1964, San Jose State College

Ph.D. 1971, University of California, Berkeley

William H. Poe (2012)

Professor Emeritus, History

B.A. 1963, Duke University

B.D. 1966, Princeton Theological Seminary

M.A. 1969, Ph.D. 1971, Brandeis University

Jorge E. Porras (2013)

Professor Emeritus, Modern Languages and Literatures

Bachiller 1961, Colegio Miguel Jimenez Lopez, Colombia

Licenciado 1965, Universidad Pedagogica de Colombia

M.A. 1973, Ohio State University

Ph.D. 1984, University of Texas at Austin

Joseph H. Powell (1986)

Professor Emeritus, Biology

B.S. 1959, Whitworth College

Ph.D. 1964, University of Washington

Adrian Praetzellis (2017)

Professor Emeritus, Anthropolog

B.A. 1981, Sonoma State University

M.A. 1982, Ph.D. 1991, University California, Berkeley

Glenn W. Price (1988)

Professor Emeritus, History

B.A. 1940, La Verne College

A.M. 1950, Ph.D. 1966, University of Southern California

Tracey L. Prince (2011)

Athletic Coach Emeritus, Athletics

B.A. 1984, University of California, Santa Barbara

George L. Proctor (1990)

Professor Emeritus, Philosophy

B.A. 1950, M.A. 1955, Ph.D. 1957, University of Virginia, Charlottesville

Charles F. Quibell (1999)

Professor Emeritus, Biology

B.A. 1958, Pomona College

Ph.D. 1972, University of California, Berkeley

Saeid Rahimi (2016)

Professor Emeritus, Engineering Science

B.S. 1971, M.S. 1973, Pahlavi University, Iran

Ph.D. 1981, Pennsylvania University

Arthur Ramirez (2002)

Professor Emeritus, Chicano and Latino Studies

B.A. 1966, M.A. 1969, Ph.D. 1973, University of Texas at Austin

Jonah Raskin (2012)

Professor Emeritus, Communication Studies

B.A. 1963, M.A. 1964, Columbia College

Ph.D. 1967, University of Manchester

Dayle A. Reilly (2015)

Professor Emeritus, University Library

M.L.I.S. 1974, SUNY at Albany

William L. Reynolds (1990)

Professor Emeritus, Management

B.A. 1969, Sonoma State College

M.B.A. 1974, California State University, Sacramento

Dorothea "Tak" Richards (1999)

Student Services Professional Emeritus

Counseling and Psychological Services

B.A. 1954, Antioch College
Ph.D. 1978, Union of Experimenting Colleges
and Universities

A. Richard Rizzo (2003)
*Professor Emeritus, Literacy, Elementary, and
Early Education*

B.A. 1964, M.A. 1969, San Francisco State
University
Ph.D. 1974, University of California, San
Francisco

Maris Robinson (2000)
*Student Services Professional Emeritus
School of Education*

George Rodetis (1995)
Professor Emeritus, Art and Art History
B.A. 1958, M.A. 1965, San Diego State
University
Ph.D. 1981, University of Illinois, Urbana-
Champaign

Walter J. "Rocky" Rohwedder (2016)
*Professor Emeritus, Environmental Studies and
Planning*
B.A. 1976, University of California, Irvine
M.S. 1978, University of Michigan
Ph.D. 1987, University of California, Berkeley

Dianne E. Romain (2004)
Professor Emeritus, Philosophy
B.A. 1968, University of Missouri, Kansas City
M.A. 1970, Ph.D. 1980, University of California,
Berkeley

Madeleine P. Rose (2012)
Professor Emeritus, Sociology
M.S.W. 1990, D.S.W. 1985, University of
California, Los Angeles

R. Thomas Rosin (2005)
Professor Emeritus, Anthropology
B.A. 1960, Reed College
Ph.D. 1968, University of California, Berkeley

Martha R. Ruddell (2005)
*Professor Emeritus, Curriculum Studies and
Secondary Education*
B.S. 1967, University of Central Missouri

M.A. 1971, Truman State University
Ph.D. 1976, University of Missouri, Kansas City

Barbara Russell (2013)
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Special Education*

B.A. 1957, George Washington University
M.A. 1967, California State University, San
Francisco

E. Gardner Rust (2001)
Professor Emeritus, Music
B.A. 1957, University of California, Los Angeles
M.A. 1959, Ph.D. 1970, University of California,
Berkeley

Douglas S. Rustad (2000)
Professor Emeritus, Chemistry
B.S. 1962, M.S. 1964, University of Washington
Ph.D. 1967, University of California, Berkeley

Roshni Rustomji-Kerns (1992)
*Professor Emeritus, Hutchins School of Liberal
Studies*
B.A. 1961, American University of Beirut
M.A. 1963, Duke University
Ph.D. 1972, University of California, Berkeley

Alan F. Sandy, Jr. (1998)
Professor Emeritus, English
B.A. 1954, Amherst College
Diplome de langue 1958, Sorbonne, Paris
M.A. 1961, Ph.D. 1965, University of California,
Berkeley

Sandra E. Schickele (2005)
Professor Emeritus, Business Administration
B.A. 1962, M.A. 1970, Ph.D. 1977, University of
Chicago

Dana F. Schneider (2013)
Professor Emeritus, Psychology
M.A. 1979, University of San Francisco

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Studies*
B.A. 1965, University of California, Berkeley
Ph.D. 1977, University of California, Santa
Barbara

Samuel M. Seward (2010)

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B.S. 1967, Oregon State University

M.B.A. 1968, Portland State University

D.B.A. 1976, University of Colorado

Sara Sharratt (1995)

Professor Emeritus, Counseling

B.A. 1965, M.A. 1968, George Washington

University

Ph.D. 1971, Southern Illinois University

Thomas Shaw (2018)

Lecturer Emeritus, Hutchins School of Liberal Studies

B.A. 1972, Emory University

B.A. 1975, Sonoma State University

M.A. 1978, University of California, Santa Barbara

M.A. 1979, Teacher's College, Columbia University

Certificate M.A. 1988, Ph.D. 1988, Columbia University

Brian T. Shears (2004)

Professor Emeritus, Educational Leadership and Special Education

B.A. 1958, University of Wales

M.A. 1960, Ph.D. 1970, University of Minnesota

Robert J. Sherman (1995)

Professor Emeritus, Biology

B.A. 1962, Coe College

M.S. 1966, Ph.D. 1968, Oregon State University

Susan H. Shipley (2013)

Professor Emeritus, English

M.A. 1969, Ph.D. 1977, University of Oregon

William Silva (2017)

Professor Emeritus, Kinesiology

B.A. 1970, Sonoma State University

Thalia Silverman (1992)

Professor Emeritus, Education

B.S. 1949, M.A. 1956, Northwestern University

Ph.D. 1975, University of California, Berkeley

Sheila Sims (2016)

Student Services Professional Emeritus

Business Administration

Rashmi Singh (2013)

Professor Emeritus, University Studies

M.A. 1974, Delhi University, India

Frank R. Siroky (1998)

Professor Emeritus, Psychology

B.S. 1952, John Carroll University

M.A. 1954, Fordham University

Ph.D. 1964, Duquesne University

Robert W. Slagle (2004)

Professor Emeritus, Psychology

B.S. 1963, University of New Mexico

Ph.D. 1968, University of California, Berkeley

David L. Sloss (1998)

Professor Emeritus, Music

B.A. 1962, Harvard University

M.A. 1968, Stanford University

Robert A. Smith (2004)

Professor Emeritus, Political Science

B.A. 1962, Yale University

M.A. 1964, Ph.D. 1971, University of California, Berkeley

Larry A. Snyder (1995)

Professor Emeritus, Music

B.A. 1950, Whittier College

M.A. 1952, University of Rochester

Mary Anne Sobieraj (2009)

Professor Emeritus, Mathematics and Statistics

B.A. 1967, College of the Holy Names

M.A. 1987, University of California, Berkeley

Robert P. Sorani (1995)

Professor Emeritus, Kinesiology

B.S. 1958, M.S. 1959, Ph.D. 1967, University of Southern California

Eugene H. Soules (1996)

Professor Emeritus, English

B.A. 1957, M.A. 1958, San Francisco State College

Ph.D. 1965, University of the Pacific

Gordon G. Spear (2011)

Professor Emeritus, Physics and Astronomy

B.A. 1966, Ph.D. 1973, University of Pennsylvania

Clarice Stasz (2006)

Professor Emeritus, History

B.A. 1962, Douglass College

M.A. 1964, University of Wisconsin

Ph.D. 1967, Rutgers University

James C. Stewart (2004)

Professor Emeritus, Environmental Studies and Planning

B.A. 1961, Wesleyan University

M.A. 1968, Ph.D. 1977, University of Hawaii

Susan A. Stewart (2010)

Professor Emeritus, Psychology

B.A. 1969, M.A. 1971, Sonoma State University

Ph.D. 1973, California School of Professional Psychology

Marguerite St Germain (2016)

Student Services Professional Emeritus

Student Admissions

Elenia Strobel (2018)

Professor Emeritus, American Multicultural Studies

B.A. 1974, University of the Philippines

M.A. 1993, Sonoma State University

D.E.D. 1996, University of San Francisco

Elaine A. Sundberg (2015)

Professor Emeritus, English

M.A. 1975, University of California, Irvine

Richard Svendsen (2012)

Professor Emeritus, Literacy, Elementary, and Early Education

M.A. 1966, California State University, San Francisco

Zeno Swijtink

Professor Emeritus, Philosophy

B.A. 1970, M.A. 1976, Universiteit van Amsterdam

Ph.D. 1982, Stanford University

Phyllis Tajii (2012)

Student Services Professional Emeritus, Student Records

B.A. 1974, California State University, San Jose

E. Barbara Taylor (1997)

Librarian Emeritus, University Library

A.B. 1962, University of California, Berkeley

M.A. 1964, University of California, Los Angeles

B.L.S. 1970, University of British Columbia

Henry W. Taylor (2010)

Professor Emeritus, Business Administration

M.B.A. 1970, Santa Clara University

Keith L. Taylor (1995)

Professor Emeritus, Business Administration

B.S. 1952, Antioch College

M.I.M. 1972, American Graduate School of International Management

Ph.D. 1981, Arizona State University

Robert W. Tellander (2005)

Professor Emeritus, Sociology

B.A. 1960, Princeton University

M.A. 1966, University of California, Berkeley

Philip O. Temko (1993)

Professor Emeritus, Philosophy

B.A. 1949, M.A. 1950, Columbia University

Ph.D. 1968, Stanford University

Joseph S. Tenn (2009)

Professor Emeritus, Physics and Astronomy

B.S. 1962, Stanford University

M.S. 1966, Ph.D. 1970, University of Washington

Laxmi G. Tewari (2015)

Professor Emeritus, Music

M.A. 1961, Hindi Sahitya Sammelan, India

B.M. 1967, Prayag Sangit Samiti, India

D.M. 1967, Banaras Hindu University, India

M.A. 1971, Ph.D. 1974, Wesleyan University

David Thatcher (1991)

Professor Emeritus, Education

B.A. 1947, Swarthmore College

M.A. 1949, University of Pennsylvania

Ed.D. 1965, University of California, Berkeley

Eileen F. Thatcher (2009)

Professor Emeritus, Biology

B.A. 1977, University of California, San Diego

Ph.D. 1988, University of California, Davis

Raye Lynn Thomas (2009)

Librarian Emeritus, University Library

B.A. 1985, San Francisco State University
M.L.I.S. 1988, University of California, Berkeley

Sue A. Thomas (2000)

Professor Emeritus, Nursing

B.S. 1960, University of California, San Francisco
M.S. 1969, Boston University
Ed.D. 1985, University of San Francisco

Ellen Kay Trimberger (2004)

Professor Emeritus, Women's and Gender Studies

B.A. 1962, Cornell University
M.A. 1963, Ph.D. 1969, University of Chicago

Dale B. Trowbridge (2008)

Professor Emeritus, Chemistry

B.A. 1961, Whittier College
M.S. 1964, Ph.D. 1970, University of California, Berkeley

Susan Victoria Truss (2011)

Professor Emeritus, Theatre Arts & Dance

B.S. 1977, Northwestern University

Ella M. Trussell (1992)

Professor Emeritus, Health Sciences and Physical Education

B.A. 1950, M.A. 1952, Ed.D. 1966, University of California, Berkeley

Melissa Vandevveer (2015)

Professor Emeritus, Nursing

B.S.N. 1966, University of Evansville
M.S.N. 1975, Indiana University
Ph.D. 1993, University of Texas at Austin

Richard A. Van Gieson (2000)

Professor Emeritus, Economics

B.A. 1958, Sacramento State College
Ph.D. 1997, Columbia Pacific University

David W. Van Nuys (2004)

Professor Emeritus, Psychology

B.A. 1962, University of Pennsylvania
M.A. 1964, Montana State University
Ph.D. 1970, University of Michigan

Walter R. Vennum (2010)

Professor Emeritus, Geology

B.A. 1964, University of Montana
Ph.D. 1971, Stanford University

Catharine Greta Vollmer (2016)

Professor Emeritus, English

B.A. 1974, Miami
M.A. (French) 1977, New York University
M.A. (English) 1981, San Francisco State University
Ph.D. 2000, University of California, Berkeley

Albert L. Wahrhaftig (2005)

Professor Emeritus, Anthropology

B.A. 1957, Stanford University
M.A. 1960, Ph.D. 1975, University of Chicago

David Walls (2005)

Professor Emeritus, Sociology

A.B. 1964, University of California, Berkeley
M.A. 1972, Ph.D. 1978, University of Kentucky, Lexington

Sandra D. Walton (2002)

Librarian Emeritus, University Library

B.A. 1961, M.L.S. 1963, University of California, Berkeley
M.A. 1975, Sonoma State University

Eva Washington (1988)

Professor Emeritus, Education

B.A. 1945, San Jose State College
M.A. 1956, Stanford University
Ed.D. 1962, University of California, Berkeley

Stephen D. Watrous (2002)

Professor Emeritus, History

B.A. 1961, M.A. 1965, University of Wisconsin
Ph.D. 1970, University of Washington

Shane Weare (2000)

Professor Emeritus, Art and Art History

A.R.C.A. 1963, Royal College of Art, London

Linda S. Webster (2001)

Professor Emeritus, Education

A.B. 1965, M.A. 1973, Ph.D. 1977, University of California, Berkeley

Elaine S. Wellin (2010)

Professor Emeritus, Sociology

M.A. 1991, Ph.D. 1996, The University of Michigan, Ann Arbor

D. Anthony White (2005)

Professor Emeritus, History

B.A. 1958, Stanford University

M.B.A. 1961, University of California, Berkeley

Ph.D. 1968, University of California, Los Angeles

Debra White (2001)

Student Services Professional Emeritus,

Counseling and Psychological Services

B.A. 1973, University of California, Los Angeles

M.S. 1978, California State University, Long Beach

Ph.D. 1981, University of California, Santa Barbara

Donald Wilkinson (1992)

Professor Emeritus, Psychology

B.A. 1968, University of Michigan, Ann Arbor

M.A. 1972, Sonoma State University

Janice L. "J. J." Wilson (2003)

Professor Emeritus, English

B.A. 1957, Stanford University

M.A. 1962, Ph.D. 1969, University of California, Berkeley

Ann B. Woodhead (2002)

Professor Emeritus, Theatre Arts & Dance

M.A. 1982, Sonoma State University

Robert W. Worth (2012)

Professor Emeritus, Music

B.A. 1980, Sonoma State University

M.A. 1982, University of California, Berkeley

Judith G. Wright (1998)

Professor Emeritus, Business Administration

B.A. 1965, DePauw University

M.A. 1967, Ph.D. 1973, Indiana University, Bloomington

Ai-Chu Wu (2012)

Professor Emeritus, Mathematics and Statistics

Ph.D. 1981, University of Illinois at Chicago

Catherine O. Wynia (2016)

Professor Emeritus, Psychology

B.A. 1992, Sonoma State University

Martha M. Yates (2000)

Professor Emeritus, Kinesiology

B.S. 1960, University of North Carolina, Greensboro

M.A. 1963, San Jose State College

Ph.D. 1969, University of Wisconsin

Homero E. Yearwood (2000)

Professor Emeritus, Criminal Justice Administration

B.A. 1956, New Mexico Highlands University

M.Div. 1959, M.Rel.Ed 1960, Golden Gate

Theological Seminary

Doctor of Criminology 1972, University of California, Berkeley

Donna Yonash (2005)

Professor Emeritus, English

Ph.D. 1971, University of California, San Diego

David A. Ziblatt (2015)

Professor Emeritus, Political Science

B.A. 1959, Reed College

M.A. 1961, Ph.D. 1965, University of Oregon

Richard A. Zimmer (2010)

Professor Emeritus, Hutchins School of Liberal Studies

B.A. 1962, University of Michigan

M.A. (History) 1964, University of California, Berkeley

M.A. (Anthropology) 1969, Ph.D. 1976, University of California, Los Angeles

Sandra H. Zimmermann (2008)

Professor Emeritus, Counseling

B.A. 1966, University of California, Santa Barbara

M.A. 1971, University of California, Los Angeles

Ph.D. 1998, Walden University

Student Services Professionals

Dates listed in parentheses indicate year of appointment to Sonoma State University.

Patrcicia Atkinson (2007)

Student Services Professional IB

A.A. 1993, other US Institution

Tramaine Austin-Dillon (2014)

Student Services Professional IV

M.A. 2014, Michigan State University

Isabel Avila (2014)

Student Services Professional Academic

Related II AY

M.A. 2001, University of California, Santa Cruz

Andre Bailey (1993)

Student Services Professional III

B.A. 1994, Sonoma State University

Joseph Banasihan (2017)

Student Service Professional III

B.A. 2012, Azusa Pacific University

Achara Barclay (2018)

Student Services Professional III

M.A. 2018, Sonoma State University

Vanessa Bascherini (2011)

Student Services Professional III

M.A. 2010, National University

Jenna Baxter (2019)

Student Services Professional III

B.S. 2014, The University of Aukland

Kelsey Bensky (2018)

Student Services Professional III

M.A. 2018, California Polytechnic State University, San Luis Obispo

Erika Black (2018)

Student Services Professional II

B.A. 2015, University of California, Los Angeles

Kerbrina Boyd (2002)

Student Service Professional III

M.A. 1999, Sonoma State University

M.A. 2005, Sonoma State University

Brianna Bjarnson (2017)

Student Services Professional III

M.A. 2016, Sonoma State University

Derek Bradley (2018)

Student Services Professional II

B.A. 2014, Sonoma State University

Marina Briones (2018)

Student Services Professional III

M.E.D. 2018, Loyola

Edie Brown (2001)

Student Service Professional IV

M.S. 2001, San Francisco State University

Erin Butt (2019)

Student Services Professional II

B.A. 2019, University of California, Los Angeles

Bianca Calderon (2013)

Student Service Professional II

B.A. 2013, Sonoma State University

Ricardo Calderon (2018)

Student Services Professional II

M.E.D. 2018, Iowa State University

Margaret Cook-Imoto (1984)

Student Services Professional II

Melanie Cooper (2013)

Student Services Professional II

B.S. 2011, Saint Marys College of California

Katherine Dahl (2013)

Student Service Professional III

A.B.A. 1978, Merritt College

Taylor Davidson (2017)

Student Services Professional III

B.S. 2013, Virginia Common Wealth University

Megan D'Errico (2018)

Student Services Professional IV

Ph.D. 2016, Stanford University

Carmen Diaz Misa (2001)

Student Services Professional III

B.A. 2000, Sonoma State University

Aurora Duarte (2000)

Credential Analyst I

B.A. 2000, Sonoma State University

Jennifer Edens (2018)

Student Services Professional III

M.E.D. 2004, University of Florida

Hope Emry Ortiz (2013)

Student Services Professional III

M.A. 2013, San Diego State University

Michael Eynon (2017)

Student Services Professional III

B.A. 2010, Sonoma State University

Al-lisha Farris (2012)

Student Services Professional III

B.A. 2011, Sonoma State University

Ryan Fitzpatrick (2009)

Student Service Professional IV

M.S. 2007, University of North Carolina at Greensboro

Donna Garbesi (2003)

Student Service Professional III

M.A. 2001, Sonoma State University

Jesus Garcia-Valdez (2018)

Student Service Professional II

B.S. 2015, California State University Monterey Bay

Shatearra Garrett (2017)

Student Service Professional III

M.E.D. 2010, Valdosta St. College

Christy Giambastiani (2007)

Student Service Professional IV

B.S. 1995, University of California, Los Angeles

Sara Golightly (2001)

Student Service Professional III

B.S. 2001, Sonoma State University

Moisses Gonzalez (2016)

Student Service Professional II

B.A. 2017, Saint Mary's College of California

Jordan Grapentine (2018)

Student Services Professional III

M.A. 2017, University of Denver

Ann Greaney (2019)

Student Services Professional III

M.A. 2012, Indiana University of Pennsylvania

Luisa Grossi (2015)

Student Service Professional II

M.A. 2001, University of California, San Francisco

Catharyn Hatcher (2001)

Extended Education Specialist II

B.A. 1994, Sonoma State University

Kristen Hermon (2019)

Student Services Professional II

B.A. 2018, Sonoma State University

Maria Hernandez (2007)

Student Services Professional III

B.A. 2006, Sonoma State University

Julia Ibanez (2000)

Student Service Professional IV

B.A. 1997, Sonoma State University

Maricela Ibarra Aceves (2003)

Student Services Professional III

M.A. 2010, Sonoma State University

Alia Ismail (2018)

Student Services Professional II

B.S. 2016, University of Oregon

Teresa James (2001)

Student Services professional IV

B.S. 1991, California State University, San Bernardino

Eric Jenne (2011)

Student Services Professional III 10 Month

B.A. 2006, Sonoma State University

Jessica Kegley (2017)

Student Services Professional II

B.A. 2008, Pacific Union College

Rosanna Kelley (2002)

Student Services Professional IV 10 Month

B.A. 2001, San Diego State University

Andrew Kerlow-Myers (2013)

Student Services Professional Academic Related II AY

Ph.D. 2012, University of Albany, SUNY

Melinda Konya (2018)

Student Services Professional III
M.E.D. 2012, Regis University

Lillian Lee (1987)

Student Services Professional II
A.A. 1991, Santa Rosa Junior College

Nick Lee (2019)

Student Services Professional IB
M.A. 2019, California State University,
Sacramento

Erica Longin (2019)

Student Services Professional III
M.P.M. 2011, Keller Graduate School of
Management

Joanie Ly (2016)

Student Service Professional III
M.E.D 2015, Rutgers University New Brunswick

Conchita Macarty (2006)

Student Service Professional II
B.A. 2005, University of California, Los Angeles

Evan Mackay (2016)

Student Service Professional II
B.A. 2013, University of California, Davis

Angelica Magana (2018)

Student Services Professional II
M.A. 2017, California State University, Chico

Colleen Mahoney (2014)

Student Service Professional IV
M.E.D. 2013, Northern Arizona University

Ivonne Manriquez (2004)

Student Services Professional II
B.S. 2002, Sonoma State University

Rociel Martinez (2016)

*Student Services Professional Academic
Related II AY*
Psy.D. 2015, PGSP-Stanford Psy.D. Consortium

Reed Mathieson (2019)

Student Services Professional III
B.S. 2016, Portland State University

Whitney McDowell (2008)

Student Services Professional III
B.A. 2008, Sonoma State University

Susan McFeeters (2012)

Student Services Professional III
M.S. 2015, Murray State University

Derek Miller (2018)

Student Services Professional III
M.A. 2012, CSU Bakersfield

Phillip Mooney (2013)

Student Services Professional III 10 Month
M.S. 2010, University of California, Davis

Erica Mullicane (2016)

Student Services Professional II
M.A. 2017, Sonoma State University

Amal Munayer (2016)

Student Services Professional III
M.S. 2010, Boston College

Tracy Navas (2002)

Student Services Professional III
B.A. 1988, California State University, Chico

Katharine O'Brien (2018)

Student Services Professional II
B.S. 2008, University of California, Santa Cruz

Cora Orme (2017)

Student Services Professional III
B.A. 2016, Williamette University

Elva Ortega (2019)

Student Services Professional III
M.A. 2011, California State University, San
Bernardino

Jose Padilla Reynoso (2016)

Student Services Professional II
B.A. 2009, Sonoma State University

James Peavler (2017)

Student Services Professional II
B.A. 2005, University of California, Santa Cruz

Delia Plikuhn (2012)

Student Services Professional II
B.A. 1993, Sonoma State University

Susan Pulido (2018)

Student Services Professional III
M.E.D. 2015, Cambridge College

Zakiya Ramirez (2018)
Student Services Professional II
B.A. 2011, University of California, Davis

Jack Ritchie (1994)
Lead Library Assistant III
B.A. 1993, Sonoma State University

Kimberly Rycroft (1995)
Student Service Professional II

Rosa Salamanca-Moreira (2018)
Student Service Professional III
B.A. 2016, CSU Northridge

Alma Sanchez (2018)
Student Services Professional II
B.A. 2014, Sonoma State University

Leonard Serrato (2018)
Student Services Professional IV
M.S. 2018, California State University, Fresno

Jennifer Sharp (2018)
Student Services Professional II
M.S. 2019, University of Wisconsin, Platteville

Kaila Shivers (2018)
Student Services Professional II
M.A. 2018, University of San Diego

Calee Spinney (2017)
Student Service Professional III
M.A. Curtin University of Tech
M.A. University of Pacific

Nicole Stein (2018)
Student Services Professional II
M.S.W. 2014, University of Southern California

MaryGrace Swarts (2017)
Student Service Professional III
M.A. 2013, California State University, San Francisco

Naib Tapia (2017)
Student Service Professional II
B.A. 2014, Sonoma State University

Christina Thao (2018)
Student Services Professional II
M.A. 2018, San Jose State University

Sherrill Traverso (1985)
Student Services Professional III
B.A. 1981, Humboldt State University

Eduardo Vasquez (2017)
Student Services Professional II
B.A. 2014, Sonoma State University

Luis Vega (2007)
Student Services Professional III 10 Month
M.A. 1994, California Polytechnic State University, San Luis Obispo
M.A. 2004, California State University, Bakersfield

Audra Verrier (2015)
Student Services Professional IV
M.S. 2010, School for International Training Graduate Institute

Ryan Walsh (2015)
Student Services Professional III
M.E.D. 2011, Clemson University

Elizabeth Warner (1996)
Student Service Professional IV
M.A. 2009, Sonoma State University

Carson Williams (2004)
Student Service Professional II
B.A. 2000, Arizona State University
B.S. 2000, Arizona State University

Karly Wilson (2013)
Student Services Professional II
B.A. 2009, Colorado State University

Rebecca Wright (2015)
Student Services Professional II
B.A. 2002, Sonoma State University

Khou Yang-Vigil (2012)
Student Service Professional IV
M.S. 2010, Indiana State University

Rebecca Young (2014)
Student Services Professional III
M.S. 2011, Indiana University of Pennsylvania

Jessica Zastrow (2019)
Student Services Professional IB
B.A. 2015, Sonoma State University

