Indian Natural Resources Science & Engineering Program + Diversity in STEM (INRSEP+)

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The Indian Natural Resources, Science & Engineering Program + Diversity in STEM (INRSEP+) provides academic and research support to students from groups historically underrepresented in science, technology, engineering and mathematics fields with an enhanced focus on American Indian students. INRSEP+ is designed to provide support networks that help to braid science with culture and community. We offer structured, holistic mentoring to support students in reaching their academic and career goals through academic advising, providing bridges to key campus resources, and helping to foster student-faculty connections. We also connect students to research opportunities, assist with entrance into graduate programs, and foster an inclusive and supportive learning community within the INRSEP house. The house is equipped with a computer lab, study space, and raised bed garden for INRSEP+ student use.

INRSEP+ is grounded in a holistic approach to STEM that accommodates diverse views of the natural world and draws from the traditional knowledge of Indigenous peoples. INRSEP+ aims to work in partnership with local tribal communities to learn from their wisdom and contribute to their goals. The program’s mission is to diversify STEM fields by empowering our students to become leaders who give back to their communities, society, and future generations while strengthening connections with their heritage and culture.

INRSEP+ houses the grant-funded Louis Stokes Alliance for Minority Participation (LSAMP) program and provides support for other similarly purposed programs and campus initiatives. The program is a key component of HSU’s many current initiatives to support retention and academic excellence in STEM.

Indian Tribal & Educational Personnel Program [ITEPP] & Cultural Resource Center [CRC]

ITEPP Coordinator
Adrienne Colegrove-Raymond

Cultural Resource Center Coordinator
Marlette Grant-Jackson

Academic Advisors
Marlette Grant-Jackson
Paula Tripp-Allen

ITEPP & CRC
Brero House 93
707-826-3672
itepp.humboldt.edu

Mission and Purpose
The Indian Tribal & Educational Personnel Program (ITEPP) and the Cultural Resource Center (CRC) are the anchor programs of the Native American Center for Academic Excellence. The ITEPP/CRC mission is to facilitate and promote academic success and self-efficacy for primarily American Indian students at Humboldt State University that validates Tribal cultural values, political status, and promotes the federal Indian policy of Indian Self-Determination.

The Indian Tribal and Educational Personnel Program (ITEPP), the Native American Center for Academic Excellence established in 1969, offers academic and culturally relevant support for American Indian students attending Humboldt State University (HSU). Taking into consideration political status, tribal affiliation, family and tribal traditions, staff provide a comprehensive approach to educational planning. Staff assist students with reaching their goals by drawing on their cultural identity, building strong support networks (both on and off campus), academic advising, connecting with tribal representatives, engaging with faculty, setting educational and career goals, and applying for scholarship, internships and graduate school.

The CRC, formally established in 1994, is a public-lending library devoted to expanding the awareness of relevant issues facing Indian Country, Tribal communities, and American Indian peoples. The CRC hosts a collection of over 6,500 print, film, and audio resources focused on the breadth of Native social, political, cultural, and geographic experiences and truths. Its catalogue is searchable online through Library World. HSU students and faculty utilize the CRC to enhance their research, course delivery and publications. The nature of the CRC reflects the pedagogy, philosophies and formal constructs of Native knowledge and contributes to a positive academic experience for HSU Native students.
Certificates of Study

Certificates of study may be awarded upon completion of a collection of required courses in a subject area. A certificate of study is not the same as a teaching certificate, a credential, or a license.

**Environmental Education & Interpretation**
Develop basic skills for careers in natural resources interpretation and public information. Contact the Department of Environmental Science & Management at 707-826-4147, or go to: environment.humboldt.edu/certificates.

**Environmental & Natural Resources Planning**
An overview of effective participation in multidisciplinary planning activities. Contact the Department of Environmental Science & Management at 707-826-4147, or go to: environment.humboldt.edu/certificates.

**Geospatial**
The Geospatial Certificate Program provides foundational concepts and methods in GIS, remote sensing, and cartography that are transferable and relevant across disciplines and industries. The classes are offered online through the College of Extended Education & Global Engagement and face-to-face classes. Students can also complete an Advanced Geospatial Certificate which includes five additional courses in intermediate and advanced geospatial topics. Contact Extended Education at 707-826-3731 or go to extended.humboldt.edu/extended-education/certificates.

**Journalism**
Prepare for a career in news, public relations, broadcasting, or another job within the mass media or related fields. Contact the Department of Journalism & Mass Communication at 707-826-4775.

**Museum & Gallery Practices**
Courses provide preparatory experience for working in museums and commercial galleries, or pursuing graduate studies in the museum field. Study issues and topics related to museum and gallery operations and practice curatorship, registration, exhibition design and art preparation firsthand through production of actual art exhibitions for the on-campus Reese Bullen Gallery, Goudi’ni Gallery, and in local museums and galleries off campus. This certificate may be of particular interest to students majoring in art, anthropology, history, education, Native American studies, education, or business administration. Contact the Department of Art at 707-826-3624 for information.

**Natural Resource Policy & Administration**
Aimed at students seeking positions at advanced managerial levels in agencies and corporations responsible for managing natural resources. Contact the Department of Environmental Science & Management, 707-826-4147, or go to environment.humboldt.edu/certificates.

**Women’s Studies**
As the academic branch of women’s movements, Women’s Studies challenges assumptions upon which the Western tradition of scholarship has been based. The curriculum for the Women’s Studies certificate focuses on analyzing gender as it is constructed within and through differences of race, ethnicity, class, sexuality, (dis)ability, and nationality. It enables students to interpret the diverse lives, issues, and voices of women in our multicultural and transnational world.

For students who have a bachelor’s degree, the certificate program is more in-depth than a minor, offering the opportunity for focused study on a topic or sub-field of interest. This program can be particularly useful for those entering careers in counseling, social work, health care, teaching, human resources, or student affairs. It also helps prepare students for graduate programs in the humanities and/or social sciences. Contact the Department of Critical Race, Gender, & Sexuality Studies at 707-826-4329 for information.
Preparatory Courses of Study

Preparatory courses of study are non-major programs offering supervised and independent studies to prepare students for specialty educational institutions.

**PRE-LAW** (non-major)

**Pre-Law Advisors**
- Joice Chang, Politics
- Lynnette Chen, Philosophy
- Marlon Sherman, Native American Studies

**The Program**
Pre-law is not a specific course of study in a particular discipline. There is no established major or specific course of studies for pre-law preparation. Many different routes exist for preparing for the study of law. Various legal professional organizations, such as the American Bar Association and the Association of American Law Schools, emphasize that success in legal education comes from a background that has developed the essential skills of strong analytic thinking, including the ability to analyze arguments and situations with sound reasoning, and the ability to communicate well, both orally and in writing.

Any number of possible majors and minors, along with elective courses, can be combined in preparation for the study of law. The best plan is to choose a major that interests you, and choose as many challenging courses from other areas as possible that support your development as noted above. Perhaps the best way to prepare for law school at Humboldt is to take challenging courses. This will train your mind to perform well within the rigors of law school studies and later as a member of the legal profession.

Pre-law students should remain in close contact with one of the pre-law advisors.

The Academic and Career Advising Center has information on admission to law schools and the Law School Admission Test (LSAT).

More information is available through the Pre-law advising website at: humboldt.edu/prelaw.

**PRE-PROFESSIONAL HEALTH** (non-major)

**Pre-Dental Advisor**
John Reiss, jor1@humboldt.edu

**Pre-Medical Advisor**
Jianmin Zhong, jz15@humboldt.edu

**Pre-Optometry Advisor**
Jianmin Zhong, jz15@humboldt.edu

**Pre-Pharmacy Advisors**
Jianmin Zhong, jz15@humboldt.edu
Jeff Schineller, jbs4@humboldt.edu

**Pre-Physical Therapy**
Whitney Ogle, Whitney.Ogle@humboldt.edu
[see Kinesiology major]

**Pre-Veterinary Advisors**
Sharyn Marks, sbm1@humboldt.edu

**Biological Sciences**
Science Complex B 221
707-826-3245
humboldt.edu/biosci

Humboldt’s Career Center has information on requirements at medical and other professional schools.

**The Program**
Several of Humboldt’s undergraduate programs in the biological and physical sciences prepare students to meet admissions requirements for health science professional schools. Usually these schools require a broad education in biological and physical sciences, which Humboldt provides.

Humboldt offers both supervised and independent studies to prepare for professional schools.

**Requirements**
Requirements listed here are typical for health science and related professional schools. Contact individual professional schools for specific requirements and consult pre-professional advisors.

**General education** courses and other requirements for the major: (To demonstrate a well rounded background, the HIST 104-HIST 105 sequence is recommended.)

**Biology**
- BIOL 105: Principles of Biology
- BIOL 340: Genetics

**Zoology**
- ZOOL 270: Human Anatomy

**Chemistry**
- CHEM 109: General Chemistry I
- CHEM 110: General Chemistry II
- CHEM 324/324L: Organic Chemistry I/ Lab
- CHEM 325/325L: Organic Chemistry II/ Lab

Other courses may be required to prepare adequately for appropriate aptitude examinations.

Pre-professional students should remain in close contact with their pre-professional advisors.
**Degree Programs**

### MAJORS

**Bachelor of Arts (BA)**
- Anthropology
- Art
- Chemistry \(^{STEM}\)
- Child Development & Family Relationships
- Child Development/Elementary Education **(Liberal Studies)**
- Communication
- Criminology & Justice Studies
- Critical Race, Gender & Sexuality Studies
- Dance Studies *
  - (Interdisciplinary Studies)
- Economics
- Elementary Education **(Liberal Studies)**
- English
- Environmental Studies
- Film
- French & Francophone Studies
- Geography
- Geology \(^{STEM}\)
- History
- International Studies
- Journalism
- Leadership Studies *
  - (Interdisciplinary Studies)
- Liberal Studies/Elementary Education
- Mathematics \(^{STEM}\)
- Music
- Native American Studies
- Nursing (RN to BSN)
- Philosophy
- Physical Sciences \(^{STEM}\)
- Political Science
- Psychology
- Recreation Administration
- Religious Studies
- Social Work
- Sociology
- Spanish
- Theatre Arts

**Bachelor of Fine Arts (BFA)**
- Fine Arts

**Bachelor of Science (BS)**
- Biology \(^{STEM}\)
- Botany \(^{STEM}\)
- Business Administration
- Chemistry \(^{STEM}\)
- Computer Science \(^{STEM}\)
- Environmental Resources Engineering \(^{STEM}\)
- Environmental Science & Management \(^{STEM}\)
- Fisheries Biology \(^{STEM}\)
- Forestry
- French & Francophone Studies
- Geography
- Geology
- Geospatial Analysis
- German Studies
- Health Education
- History
- Indigenous Peoples, Natural Resource Use & the Environment
- International Studies
- Journalism
- Kinesiology
- Linguistics
- Mathematics
- Multicultural Queer Studies
- Music
- Native American Studies
- Natural Resources
- Natural Resources Recreation
- Oceanography
- Philosophy
- Physics
- Political Science
- Psychology
- Rangeland Resource Science
- Recreation Administration
- Religious Studies
- Scientific Diving
- Social Advocacy
- Sociology
- Spanish
- Spanish Media
- Teaching English as a Second/Foreign Language
- Theatre Arts
- Tribal Leadership
- Water Resource Policy
- Watershed Management
- Wildland Soil Science
- Women’s Studies
- Zoology

**MINORS**
- American Indian Education
- American Sign Language & Special Populations
- Anthropology
- Applied Mathematics
- Applied Statistics
- Appropriate Technology
- Art History
- Art Studio
- Astronomy
- Biology
- Botany
- Business Administration
- Chemistry
- Mandarin Language & Culture Studies
- Communication
- Computer Science
- Dance
- Early Childhood Development
- Ecological Restoration
- Economics
- English Literature
- English Writing
- Environmental & Natural Resources Planning
- Environmental Education & Interpretation
- Environmental Ethics
- Environmental Policy
- Ethnic American Literatures
- Ethnic Studies, Comparative
- Family Studies
- Film
- Fire Ecology
- Fisheries Biology
- Forestry
- French & Francophone Studies
- Geography
- Geology
- Geospatial Analysis
- German Studies
- Health Education
- History
- Indigenous Peoples, Natural Resource Use & the Environment

### CREDENTIALS

**Elementary Education**
- Preliminary Credential in Multiple Subjects

**Secondary Education**
- Art
- English/Language Arts
- Mathematics
- Physical Education
- Science
- Social Science
- Spanish

**Educational Leadership**
- Preliminary Administrative Services

**Specialist Credentials**
- Adapting Physical Education
- Special Education
- Mild/Moderate & Moderate/Severe Disabilities

### GRADUATE DEGREES

**Master of Arts (MA)**
- Applied Anthropology * (not accepting admissions for 2020-21)
- Education (not accepting admissions for 2020-21)
- English (not accepting admissions for 2020-21)
- Psychology
  - Academic Research Counseling
  - School Psychology

**Public Sociology**
- Social Science
  - Environment & Community

**Master of Business Administration (MBA)**

**Master of Science (MS)**
- Biology
- Environmental Systems
- Energy Technology & Policy
- Environmental Resources Engineering
- Geology
- Kinesiology
- Natural Resources
- Environmental Science & Management
- Fisheries
- Forest, Watershed & Wildland Sciences
- Wildlife

**Master of Social Work (MSW)**
Adapted Physical Education

Adapted Physical Education Added Authorization (APEAA)

See Kinesiology for the Master of Science degree with a major in Kinesiology.

Program Coordinator
Chris Hopper, Ph.D.

Department of Kinesiology & Recreation Administration
Kinesiology & Athletics 305
707-826-4536
kra.humboldt.edu

The Program

This program includes coursework and extensive fieldwork (180 hours) to prepare candidates to teach physical education to individuals with disabilities in public schools and community settings. Candidates develop teaching competencies in motor development, aquatics, game and sports skills, and physical activity/fitness.

Mission Statement

The Adapted Physical Education program uses research-based practices to prepare teachers to design and implement physical education programs that promote healthy and active lifestyles for children and youth with disabilities.

Program Learning Outcomes

Develop physical education programs for individuals with disabilities
Use assessment tools to help design physical education programs.
Develop consultation and collaboration skills to serve on interdisciplinary teams.
Use evidence-based practices in teaching physical education/activity to children and youth with a variety of disabling conditions.

Program Admission Requirements

Candidates can complete the APEAA as a credential program candidate or as part of the Masters Degree in Kinesiology. The APEAA is not a stand-alone teaching authorization and must be attached to a teaching credential.

Candidates can add the APEAA to a basic teaching credential, a multiple subject, single subject, or education specialist credential.

REQUIREMENTS OF THE PROGRAM

All students receiving the Adapted Physical Education Added Authorization must:

- successfully complete the California Basic Education Skills Test (CBEST)
- complete a California Commission on Teacher Credentialing (CCTC) approved subject matter program in Physical Education Teaching or pass the CSET Physical Education exam authorizing the teaching of physical education.
- successfully complete a basic credential program and receive a teaching credential from CCTC

Special Grade Requirement

Maintain a GPA of 3.00 or better in the following required courses.

Required Courses (24 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 302</td>
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</tr>
<tr>
<td>KINS 385</td>
<td>3</td>
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<tr>
<td>KINS 475</td>
<td>3</td>
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<tr>
<td>KINS 484</td>
<td>3</td>
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<tr>
<td>KINS 535</td>
<td>2</td>
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<tr>
<td>KINS 577</td>
<td>4</td>
</tr>
<tr>
<td>KINS 578</td>
<td>2</td>
</tr>
<tr>
<td>KINS 695</td>
<td>1-6</td>
</tr>
</tbody>
</table>

Programs Leading to Licensure & Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states’ educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state’s requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).
**American Indian Education Minor**

**Minor in American Indian Education**

*This minor is housed within the College of Professional Studies.*

**Department Chair**

Dr. Kishan Lara-Cooper

**Department of Child Development**

Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
childdev.humboldt.edu

**The Program**

The American Indian Education (AIE) minor provides an understanding of the particular educational needs of American Indian students, as well as the skills to apply methodologies and classroom practices conducive to academic success and validation of cultural identity and values.

Having a positive self-identity and strong cultural affirmation is key for the success of any student in school and in life, but American Indian students face assaults on their identity and culture on a daily basis. To help ensure success in working with American Indian students and communities, the College of Professional Studies provides a rigorous curriculum designed to heighten awareness of the numerous and complex issues surrounding American Indian education, along with successful educational models and classroom applications.

**REQUIREMENTS FOR THE MINOR**

Total units required for the minor: 15

**Required (9 units)**

- AIE 330  (3) History of Indian Education [DCG-d]
- AIE 335  (3) Social and Cultural Considerations [DCG-d]
- AIE 340  (3) Educational Experiences [DCG-d]

**Child Growth & Development (3 units)**

*Complete one course from the following:*

- CD 209  (3) Middle Childhood Development
- CD 253  (3) Prenatal & Infant Development
- CD 255  (3) Early Childhood Development

**Language & Communication Awareness (3 units)**

*Complete one course from the following:*

- AIE 380/AIE 580  (3) Special Topics
- NAS 340  (3) Language & Communication in Native American Communities
- NAS 345  (3) Native Languages of North America

AIE courses also comprise a specialization within the Child Development major, as well as a special area of emphasis in the MA Education program.

AIE courses are available to all HSU students. Community members may enroll through Extended Education; call 707-826-3731 for a schedule of classes.
American Sign Language & Special Populations Minor

Minor in American Sign Language & Special Populations

Department Chair
Dr. Kishan Lara-Cooper

Department of Child Development
Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
childdev.humboldt.edu

The Program
The American Sign Language and Special Populations Minor is designed to assist individuals who wish to work with the deaf or hard of hearing and/or children with special needs. Individuals will find the minor useful if they seek employment as early interventionists, family service providers, teachers of special education, teachers of the hard of hearing or deaf, or teachers of children with language delays.

The minor is designed to help prepare students to work in an entry-level position with children and families that use American Sign Language as a means of communication or who might benefit from using signed speech in combination with verbal communication. The minor provides the student with background in child development, language acquisition, American Sign Language, life and culture of the deaf and hard of hearing communities, and experiences of families with children with special needs.

Requirements for the Minor

<table>
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<tr>
<th>Total units required for the minor: 19</th>
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Children's Growth & Development (3 units)

Complete one course from the following:

| CD 209  | [3] Middle Childhood Development |
| CD 253  | [3] Prenatal and Infant Development |
| CD 255  | [3] Early Childhood Development |
| CD 350  | [3] Perspectives: Life-Span Development |

American Sign Language (6 units)

| CD 109Y | [3] American Sign Language I,* and |

Language Acquisition (3 units)

| CD 355  | [3] Language Development |

Special Needs Populations (7 units)

Complete one of the following:

| COMM 222 | [4] Intercultural Communication [DCG-d] |
| COMM 324 | [4] Nonverbal Communication |

* Students with extensive prior experience using ASL may take the challenge exam to complete CD 109Y.

NOTE: Challenge process requires students to inform instructor of desire to challenge and take exam within the first two weeks of the semester. Students should not enroll in the course they wish to challenge. The student must earn a 70 percent or greater on the challenge exam to earn a credit in CD 109Y and before proceeding to CD 109Z.
Anthropology

Bachelor of Arts degree with a major in Anthropology

Minor in Anthropology

Master of Arts degree in Applied Anthropology *

Department Chair
Mary Scoggin, Ph.D.

Graduate Coordinator
Mary Scoggin, Ph.D.

Department of Anthropology
Behavioral & Social Sciences 506
707-826-4124
anthropology.humboldt.edu

THE BA PROGRAM
Students completing this program will have demonstrated:

- understanding of the diversity of cultural values reflected in different patterns of social and political organization and systems of communication (symbolic and linguistic)
- the ability to think critically and to apply the scientific method in the various sub-fields of the discipline (cultural, biological, archaeology, linguistics, and applied)
- understanding of the complex and interrelated processes of change (biological and cultural evolution, diffusion, colonialism, globalization) both within cultures and across cultural boundaries
- a solid grasp of the relevance of anthropology to present-day policy and social issues such as human rights, health, historical preservation, conservation, economic development, language use, and cultural practices.
- skills (critical thinking, communication, information literacy and research and technical skills) needed to apply anthropology in practical and professional settings.

Concerned with the world’s diverse cultures, anthropology provides education and experience to help students understand the perspectives of peoples in other places, customs, and times. It develops critical and analytical skills and empathic understanding. Students can pursue a wide number of anthropological fields: social and cultural, archaeological, linguistic, and biological.

Humboldt State’s unique setting in proximity to nine Native American tribes presents a rare opportunity for learning about the first Nations of North America and their contemporary relationships to other cultures of the U.S. Our region’s cultural richness includes immigrant communities and families as well as students and faculty of diverse nationalities at HSU. Combined with our department’s emphasis on international and applied experience, this context allows our students to obtain an academic and experiential education in the study of culture.

Anthropology provides an excellent liberal arts background, benefiting many careers. Wherever cross-cultural relations are present, or wherever culturally broad perspectives are valuable (education, social services, medicine, business, legal services, and journalism), anthropologists can make strong contributions.

Humboldt’s program provides a strong foundation for graduate study. Graduates have established careers in archaeology, linguistics, international development, foreign affairs, health services, multicultural education, environmental planning and research, biological and medical research, cultural resource management, and professional anthropology.

Preparation
At the high school level, students can prepare for a major in Anthropology through the study of college preparatory courses, especially including second-language learning, social sciences, mathematics, and biology. At the university level, we encourage students to continue with a carefully planned breadth of education in these areas.

Review your degree plan with your advisor each semester, and ask how to best apply international study and field school work toward the requirements of your major.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units:

Total units required for the degree: 120

Core Courses (31 units)
The following core courses are required for all anthropology majors.

ANTH 103 (3) Biological Anthropology
ANTH 104 (3) Cultural Anthropology
ANTH 105 (3) Archaeology and World Prehistory
ANTH 140 (3) Introduction to the Anthropology of Language
ANTH 210 (1) Introduction to Anthropology Major
ANTH 310 (4) Theory & History in Anthropology
ANTH 410 (4) Anthropology Capstone

Methods Training
Complete two courses.
ANTH 318 (4) Ethnography
ANTH 330 (4) Method & Theory in Biological Anthropology
ANTH 350 (4) Method & Theory in Archaeology

Applied Leadership Experience
Complete one course.
ANTH 482 (2) Anthropology Internship/Lab/Research
ANTH 483 (2) Anthropology Teaching & Leadership

Emphases (15 units)
Complete one of the following emphases and associated breadth areas to fulfill the requirements of the major:

Archaeology Emphasis
Complete at least three courses (at least 9 units) from the following:
ANTH 307 (3) World Heritage & Archaeology [DCG-n]
ANTH 351 (4) Archeological Materials Analysis
ANTH 352 (4) Experimental Archaeology
ANTH 353 (4) Archaeology of Warfare
ANTH 354 (4) Cultural Resource Management
ANTH 357 (3-6) Field Archaeology
ANTH 358 (1) Archaeology Lab
ANTH 359 (4) Special Topics in Archaeology
ANTH 394 (4) Regional Survey of North American Archaeology
ANTH 395 (4) Mesoamerican Archaeology

Advisor Approved Elective (e.g., arche lab, field program, independent study)

Breadth
Complete one course (minimum 3 units) from the Biological Anthropology group and one course (minimum 3 units) from the Sociocultural & Linguistic Anthropology group.

** The Applied Anthropology M.A. program is not accepting applications for the 2020-21 academic year.
**Anthropology Minor**

Complete one course (minimum 3 units) from the Archaeology group and one course (minimum 3 units) from the Sociocultural & Linguistic Anthropology group.

**Sociocultural & Linguistic Anthropology Emphasis**

Complete at least three courses [at least 9 units] from the following:

- ANTH 329 [1-4] Selected Topics in Social Anthropology
- ANTH 340 [4] Language & Culture

Advisor approved elective (e.g., field program, independent study, anatomy.)

**Breadth**

Complete one course (minimum 3 units) from the Archaeology group and one course (minimum 3 units) from the Sociocultural & Linguistic Anthropology group.

**Requirements for the Minor**

Total units required for the minor: 15

**Lower Division (6 units)**

- ANTH 104 [3] Cultural Anthropology, or
- ANTH 140 [3] Introduction to the Anthropology of Language
- ANTH 103 [3] Biological Anthropology, or

**Upper Division (9 units)**

Complete 9 units of upper division anthropology courses.

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**The Applied Anthropology MA Program**

Students completing this program will have demonstrated that they:

- exhibit substantive knowledge of the field of applied anthropology, and an advanced ability to apply disciplinary principles, theories, methods, and approaches to address complex issues within academic and non-academic settings.
- possess professional-level expertise in a concentrated area, an advanced ability to comprehend, conceive, design, and execute meaningful research in that area
- possess a wide range of graduate level practical and professional skills enabling one to function efficiently in academic and non-academic settings, including research and problem-solving skills, effective multi-modal communication, initiative, adaptability, perseverance, and capacity to proactively market skills and expertise
- display knowledge and competency in anthropological ethics and embrace social responsibility in research, teaching and service.

The MA in Applied Anthropology is a rigorous yet flexible program focused on building competitive, marketable skills. Applied anthropology is the application of anthropological perspectives, methods, theories, and practices to human and environmental problems in academic, professional, and global contexts. Applied anthropology crosses traditional disciplinary boundaries and is relevant to students of anthropology, history, human biology, environmental studies, religious studies, sociology, art, geography, international studies, political science, and many other areas.

The program begins with a four to six week Summer Institute, part of which is online and part of which is held on the HSU campus, during which students will build camaraderie and be introduced to the program and discipline. After the Summer Institute, students undertake the remaining coursework via online distance learning, typically in either three to four full-time semesters or six part-time semesters. Students who would like to be on campus are welcomed and will have access to departmental facilities. Students also have three flexible options for culminating experience, a comprehensive exam, internship, or project.

**Elective Courses (9–12 units)**

Students who choose the comprehensive exam option (ANTH 691) are required to complete 12 units of approved elective courses.

Students who choose to complete a thesis project (ANTH 690) are required to complete 9 units of approved elective courses.

All electives must be advisor-approved as relevant to emphasis or career trajectory. If emphasis changes, alternate electives may be required, at the discretion of the advisor. Electives must be graduate level or upper division undergraduate level and may be taken at HSU or other universities where credits are transferable. Graduate level courses taken prior to the program, may be used to fulfill elective requirements, if not counted toward any other degree, and taken within seven years of completion of the MA degree.

**Internship/Field Placement Requirement (ANTH 682)**

Students are required to complete 180 hours of advisor-approved field placement (internship) that is focused on gaining hands-
on applied experience in the emphasis area. The field placement may, but is not required to be, directly related to MA thesis research. Field school(s) may fulfill some but not all internship hours, at the discretion of the advisor; but only if such hours are in excess of any hours for which academic credit (units) are earned and applied to meet the focus elective requirement.

**Culminating Experience Options**

All students enter the program on track to complete a comprehensive exam. The comprehensive exam consists of three areas chosen in consultation with the advisor; writing of annotated bibliographies in these areas, then taking a written and/or practical exam covering the three areas.

Students wishing to complete a thesis or project must submit a proposal, receive approval, and meet the requirements below.

To be eligible for the thesis or project option a student must have: completed at least 15 units of coursework toward the MA degree with a cumulative GPA of 3.50 or above; and demonstrated proficiency in research and writing skills by earning a grade of A- or better in ANTH 674. An exception may be made on a case-by-case basis if the student can otherwise document sufficient preparation to successfully complete a thesis/project. Any such exception must be approved by the advisor, committee, graduate coordinator and anthropology department chair.

**Skills**

In addition to other requirements, students are expected to evince a mastery of subject/skills pertinent to their culminating experience and career trajectories prior to graduation. This may include taking specific elective courses, participating in workshops/training/fieldwork, and/or demonstrating practical skills. Any such requirements will be set by the advisor with approval from the graduate coordinator and will be communicated to the student no later than the end of the first semester in the program or within the semester of any approved change in program focus.

**Grade and Progress Requirements, Continuous Enrollment Requirements, and Leave of Absences**

Students must pass preliminary exams at the end of the Summer Institute to continue in the program, and each semester students are expected to maintain at least a B (3.00) average and pass all courses with a B- or better. If the culminating experience is not expected to be completed according to the standard timeline, students are required to enroll in at least 1 unit each fall and spring until work is complete and all committee members have approved the final written thesis and oral defense. Extension of culminating experience completion deadlines must be approved by the advisor and graduate coordinator. Students must file a formal “leave of absence” application if they are unable to continue enrollment. The department reserves the right to dismiss from the program a student who does not make academically adequate and timely progress in moving through degree requirements.

**Conduct Requirements**

Students are expected to maintain professional conduct and abide by ethical standards, in all aspects of and activities related to the program, in anthropological research and activities, and in all situations where they represent the program and discipline. The department reserves the right to dismiss from the program a student who does not abide by these rules.

**Typical Program Timelines**

**Summer Institute (5 units) on-campus**

Semester 1: Fall (4 units)

ANTH 670 (2) Introduction to Applied Anthropology
ANTH 671 (3) Methods in Applied Anthropology
Milestone: Pass preliminary exams

Following the Summer Institute, students may choose to complete the remainder of the program with a full-time or part-time schedule.

**Full-Time (three semesters) online**

Semester 1: Fall (10-11 units)

ANTH 672 (3) Theory in Applied Anthropology
ANTH 673 (3) Anthropology Careers & Management Strategy
ANTH 678 (1) Applied Anthropology
Milestone: Internship

Semester 2: Spring (10-11 units)

ANTH 674 (3) Research Project Design
ANTH 678 (1) Applied Anthropology
ANTH 682 (3) Anthropology Internship Field/Placement
Milestone: Begin internship; advance to candidacy; establish exam areas

Semester 3: Fall (10-11 units)

ANTH 678 (1) Applied Anthropology
ANTH 690 (6) Thesis/Project, or ANTH 691 (3) Comprehensive Exam

Milestones: take comprehensive exam or submit and defend thesis/project, and complete internship, or progress toward these goals as approved by advisor.

**Part-Time (Six semesters) online**

Semester 1: Fall (4 units)

ANTH 678 (3) Anthropology Careers & Management Strategy
ANTH 679 (1) Applied Anthropology
Milestone: identify internship location.

Semester 2: Spring (6-7 units)

ANTH 682 (3) Anthropology Internship Field/Placement
Milestone: Begin internship.

Semester 3: Fall (6-7 units)

ANTH 672 (3) Theory in Applied Anthropology
Milestone: submit initial petition and preliminary thesis/project plan

Semester 4: Spring (4 units)

ANTH 674 (3) Research Project Design
ANTH 679 (1) Applied Anthropology
Milestones: establish exam areas (Comprehensive Exam Track) or submit full petition after completing ANTH 674 with A- or better (Thesis/Project Track)

Semester 5: Fall (4-5 units)

ANTH 678 (1) Applied Anthropology
Milestone: thesis progress approved by thesis committee.

Semester 6: Spring (6 units)

ANTH 690 (6) Thesis/Project, or ANTH 691 (3) Comprehensive Exam

Milestones: take comprehensive exam or submit and defend thesis/project, and complete internship, or progress toward these goals as approved by advisor.
**APPLIED STATISTICS MINOR**

**Minor in Applied Statistics**

**Information**
Bori Mazzag, Ph.D., Chair
Department of Mathematics
707-826-3143

**The Program**

It is increasingly necessary for practitioners in any quantitative discipline to have a substantial background in statistics. Whereas statistics has traditionally played a central role in the biological and natural resources sciences, it is now equally important in business, economics, and the social sciences.

The applied statistics minor is designed to provide the broad statistical knowledge and practical skills needed for application of statistical techniques to research and management problems in a wide variety of disciplines. The introductory, intermediate, and topics courses include computer laboratory sessions, in which students learn to use statistical software. The minor culminates with an upper division applications course.

Different choices for the introductory, intermediate, and applications courses make the applied statistics minor an attractive complement to bachelor’s degree programs in business, economics, psychology, and the biological and natural resources sciences.

**REQUIREMENTS FOR THE MINOR**

**Total units required for the minor: 25-28**

- **MATH 102** (4) Algebra & Elementary Functions, or equivalent
- **MATH 105** (3) Calculus for the Biological Sciences & Natural Resources, or
- **MATH 109** (4) Calculus I

Complete one of the following:

- **PSYC 241** (4) Introduction to Psychological Statistics
- **STAT 108** (3) Elementary Statistics
- **STAT 108i** (3) Elementary Statistics with [Coreq: STAT 8]
- **STAT 109** (4) Introductory Biostatistics

Complete one of the following intermediate courses:

- **PSYC 478** (4) Analysis of Variance
- **STAT 333** (4) Linear Regression Models/ANOVA

Complete two courses from the following list:

- **STAT 323** (4) Probability & Statistics
- **STAT 404** (4) Multivariate Statistics
- **STAT 406** (4) Sampling Design & Analysis
- **STAT 410** (4) Modern Statistical Modeling
- **STAT 480** (1-3) Special Topics in Statistics

Complete one advanced applications course from the following list:

- **BA 446** (4) Marketing Research
- **FISH 458** (4) Fish Population Dynamics
- **FOR 311** (4) Forest Mensuration & Growth
- **PSYC 488** (4) Regression/Multivariate Topics
- **WLDF 311** (4) Wildlife Techniques
- **WLDF 478** (3) Animal Energetics

or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.
The Program

The term "appropriate technology" challenges the presumed inevitability or naturalness of technological development. At the same time, the question of which technologies are "appropriate" resists easy or predetermined answers. An HSU minor in appropriate technology allows students to familiarize themselves with promising technologies, while also developing their understanding of the political, social, and economic processes by which choices about technologies are — and might be — made.

Courses enable students to combine theory and practice, often through hands-on projects at the Campus Center for Appropriate Technology (CCAT). CCAT is a student-run, living laboratory and demonstration home on the HSU campus. It models effective energy use, a photovoltaic electrical system, solar hot water heating, graywater recycling, a composting privy, organic gardening, low-impact building materials, and many other technologies, in a residential setting.

The minor can be of particular value to students wishing to pursue careers in science, public policymaking, or community development. It can also be useful for students wishing to volunteer for the Peace Corps or other overseas development work. For those wishing to design and develop technological systems professionally, the minor is not an adequate substitute for a major in Environmental Resources Engineering or a related field.

Requirements for the Minor

Total units required for the minor: 20

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENST 123</td>
<td>[2] CCAT Practicum [1 unit course taken twice, each with a different topic, for a total of 2 units]</td>
</tr>
<tr>
<td>ENGR 305</td>
<td>[3] Appropriate Technology</td>
</tr>
<tr>
<td>PSCI 373</td>
<td>[4] Politics of Sustainability</td>
</tr>
<tr>
<td>SOC 320</td>
<td>[4] Environmental Sociology</td>
</tr>
</tbody>
</table>
Bachelor of Arts degree with a major in Art — with concentrations in:
- Art History
- Art Studio
- Art Education

Bachelor of Fine Arts (BFA) in Fine Art

Minor in Art History

Minor in Art Studio

Certificate of Study in Museum & Gallery Practices

The Art Department is a fully accredited member of the National Association of Schools of Art and Design and an approved subject matter waiver program through the California Commission on Teacher Credentialing.

Department Chair
Heather Madar, PhD.

Department of Art
Art Complex 121
707-826-3624
art.humboldt.edu

The Program

Art History Concentration

Students completing this program will have demonstrated:
- recognition of art from a diverse number of periods, cultures, and civilizations
- experience with the materials and working methods of artists
- study of at least one foreign language
- the ability to find information in the library using both traditional and online resources
- recognition of different methods of interpretation
- use of the vocabulary and language of visual analysis
- understanding of the relationship of art to other disciplines in the humanities, social sciences, or sciences
- oral presentation of information and ideas to a group
- written presentation of information and ideas in a formal research paper.

At Humboldt, art history is taught in a variety of ways, based on the visual and historical contexts in which art is created. At the beginning level of instruction, the program features period courses (ART 104 series), such as Renaissance Art and 20th Century Art. These courses introduce works of art within their historical contexts.

Upper division courses focus on narrower periods, movements, artists, or problems, such as Rococo & Revolution and public art.

The undergraduate seminar provides a capstone experience preparing students for advanced study leading to teaching and curatorial careers.

Besides courses in art history, students enroll in at least two studio art courses to familiarize themselves with materials and creative working methods of artists. Study of gallery and museum methods gives students both theoretical and practical experience in the important areas of art display and management. This can lead to careers in the gallery and museum world. Students also complete a year of language study to learn how language affects thinking and visual experience in other cultures.

Preparation

In high school take as many art courses as possible in a variety of areas.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see, “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirement

Total units in major/concentration: 51-57
Total units required for the degree: 120

Special Grade Requirement

Students must receive a minimum grade of C in any major course for it to count toward the major.

Art History Concentration (51 units)

Lower Division Courses (29 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103A</td>
<td>Prehistoric to Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 103B</td>
<td>Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Lower Division Elective Courses

Complete three courses (9 units) from the ART 104 series.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 104B</td>
<td>Ancient Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 104C</td>
<td>Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 104F</td>
<td>Renaissance Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 104G</td>
<td>Baroque Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 104H</td>
<td>19th Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 104I</td>
<td>20th Century Art</td>
<td>3</td>
</tr>
</tbody>
</table>

ART 104K   [3] Africa, Oceania, the Americas
ART 104M   [3] Latin American Art

Complete two lower division studio art classes.

Language

Complete one year of a language other than English at the college level [French, German, and Spanish are recommended].

Upper Division Courses (22 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 356</td>
<td>Museum &amp; Gallery Practices</td>
<td>3</td>
</tr>
<tr>
<td>ART 410</td>
<td>Seminar in Art History</td>
<td>4</td>
</tr>
</tbody>
</table>

Complete 15 units upper division art history courses. Electives to bring total units to 120.

The Program

Art Studio Concentration

Students completing this program will have demonstrated:
- perceptual and technical skills and basic fundamentals in a variety of media and have depth of knowledge in one or more studio areas
- familiarity with the history of visual ideas, vocabulary, and the language of visual analysis
- utilization of new technological advances where appropriate
- problem solving abilities, individual intuition, creativity, and vision
- the importance of locating the functions of art in current and historical cultural contexts
- integration of knowledge gained in both studio and art history courses.

The studio concentration has classes in painting, ceramics, drawing, graphic design, jewelry and metalsmithing, photography, printmaking, and sculpture. We provide large and well equipped studio facilities [including a computer lab], small classes with individual attention, and a faculty of 20 artists who remain active in their own creative pursuits.

The lower division core has courses common to all areas of inquiry in the visual arts. The upper division component is tailored to each student’s individual studio emphasis. Through problem-solving assignments and accompanying instruction, students learn processes and strategies for creating works.
of art in various media. By concentrating on a particular studio area in depth, students can prepare a portfolio for further professional opportunities or for postgraduate study.

In addition to their studio courses, students must complete 12 units of art history in order to familiarize themselves with the history of visual ideas.

Students can view exhibits at the campus Reese Bullen Gallery as well as at the First Street Gallery in downtown Eureka. Both galleries bring challenging and thought-ful exhibitions of contemporary art to the Humboldt community. Besides curating shows of artists from outside the area, the galleries exhibit the work of faculty members and students.

Student Access Gallery Club, a student-run organization, curates and exhibits student work in three separate venues around campus.

Humboldt's art graduates have gone on to become graphic artists, webpage designers, painters, commercial jewelers, art historians and teachers. Other careers: printmaking, art direction, art museum work, exhibition design, package design, silk screening, sculpting, illustration, photography, jewelry, and ceramics.

Preparation
In high school take as many art courses as possible in a variety of areas.

Art Studio Concentration (54 units)

Lower Division Courses (27 units)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 103A</td>
<td>Prehistoric to Medieval Art</td>
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<tr>
<td>ART 103B</td>
<td>Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 105B*</td>
<td>Fundamentals of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 105C</td>
<td>2D Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 105D</td>
<td>3D Foundations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Lower Division Studio Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Complete four courses (12 units) from:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 106</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 107</td>
<td>Printmaking I</td>
<td>3</td>
</tr>
<tr>
<td>ART 108</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 109</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 122</td>
<td>Life Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 250</td>
<td>Darkroom Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 282</td>
<td>Jewelry/Small Metals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 290</td>
<td>Ceramics I</td>
<td>3</td>
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Upper Division Courses (27 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 437</td>
<td>Professional Practices in Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete two courses in upper division art history (minimum 6 units)

Complete 18 upper division studio units. ART 356 is recommended.

Art Education Concentration (57 units)

Preparatory to a single subject teaching credential program

The Program

The undergraduate subject-matter program in art education prepares students to teach in a junior high and senior high school. The art education curriculum is a combination of studio, art history, and museum practices; this prepares the student for more advanced training to become an art educator either in schools or museums. Our program is an approved subject matter waiver program through the California Commission on Teacher Credentialing.

The lower division core classes build a strong foundation for students developing the skills and tools needed in becoming an artist or teacher. In upper division classes, students have the opportunity to concentrate in a particular studio area while taking courses that prepare them to teach a broad spectrum of courses offered in a junior or high school.

Students will familiarize themselves with the four components of the California Visual and Performing Arts Framework and the California Visual and Performing Arts Content Standards in order to develop strategies for teaching and lessons for instruction. We have a service learning component built into the art education classes. Students have the opportunity to develop curriculum and teach art in local schools and docent school children at the local galleries and museums. In the credentialing program, students are immersed in education classes and have opportunities to teach with excellent master teachers in Humboldt County. Students must apply for this program and pass the competency assessment of subject matter, which takes place spring semester of the senior year.

Please note: Degree requirements listed here do not include the professional education courses required for the credential. Students earning this degree may waive CSET assessments before entering the credential program. Before applying to the secondary education credential program, students must meet the prerequisite of 45-hour field experience or enroll in SED 210/SED 410. Please notify your advisor at least two semesters prior to applying to the credential program, so that you can clarify state requirement for acceptance.

Lower Division Courses (30 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103A</td>
<td>Prehistoric to Medieval Art</td>
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</tr>
<tr>
<td>ART 103B</td>
<td>Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 105B*</td>
<td>Fundamentals of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 105C</td>
<td>2D Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 106</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 105D</td>
<td>3D Foundations, or</td>
<td>3</td>
</tr>
<tr>
<td>ART 109</td>
<td>Sculpture I, or</td>
<td>3</td>
</tr>
<tr>
<td>ART 262</td>
<td>Jewelry/Small Metals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 122</td>
<td>Life Drawing I</td>
<td>3</td>
</tr>
</tbody>
</table>

* Prerequisite to further art coursework.

Lower Division Studio

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 108</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 290</td>
<td>Ceramics I</td>
<td>3</td>
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</table>

Upper Division Courses (27 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 357B</td>
<td>Curriculum &amp; Development through Art Education I [fall only, take in your junior year]</td>
<td>3</td>
</tr>
<tr>
<td>ART 357C</td>
<td>Curriculum &amp; Development through Art Education II [spring only, take in your junior year]</td>
<td>3</td>
</tr>
<tr>
<td>ART 497S</td>
<td>Service Learning &amp; Art Education I [fall only, take in your senior year]</td>
<td>3</td>
</tr>
<tr>
<td>ART 498S</td>
<td>Service Learning &amp; Art Education II [spring only, take in your senior year]</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Division Art History

Complete two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 301</td>
<td>Topics in Western Art History</td>
<td>3</td>
</tr>
<tr>
<td>ART 302</td>
<td>Topics in Global Art History</td>
<td>3</td>
</tr>
<tr>
<td>ART 303</td>
<td>Global Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 304</td>
<td>Topics in American Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Division Studio

Complete three courses (9 units) of upper division Studio Electives.
THE BACHELOR OF FINE ARTS

Program Admission Requirements

The BFA is a cohort-based program for students in their junior and senior years. Students should apply to the BFA program in their sophomore year for entrance in the following fall semester. Admission to the program is competitive. To be considered, an applicant must have completed the lower division core courses for the studio art major (15 units) and at least two of the four lower division studio elective courses with a minimum GPA of 3.00 (B). In addition, applicants are required to electronically submit images of their work, two academic references, a short personal statement and an unofficial transcript. Transfer students interested in the BFA program may apply to the program following the above guidelines. For university transfer requirements, see the "Admission Information" section of the catalog. Please refer to the Art Department website for current information regarding application guidelines, application forms and timelines.

The BFA Program

The Bachelor of Fine Arts (BFA) in Fine Art is a professional degree intended for students interested in pursuing graduate studies or other professional opportunities. The fine arts major requires 70 units of coursework in art studio and art history, giving students the opportunity to develop a high level of expertise. The lower division coursework is designed to give students a solid technical foundation in studio art. BFA students at the upper division level focus their study through approved elective courses in painting, drawing and illustration, jewelry and small metals, photography, ceramics, printmaking, sculpture, and digital media/graphic design. BFA students will produce a culminating portfolio of artwork demonstrating perceptual acuity and conceptual understanding at a professional level and will do a public presentation in their final semester.

Students completing this program will be able to:

- Examine the relationship and influence of the visual arts on a historical and cultural context
- Recognize and evaluate critical and aesthetic issues within the history of art and contemporary studio practice.
- Apply aesthetic judgement perceptual sensitivity and critical thinking skill to arts related issues and environments in daily life.
- Demonstrate mastery of specific technical, conceptual and/or critical abilities within each concentration area
- Communicate effectively, in both written and oral formats on research and creative issues
- Demonstrate perceptual acuity conceptual understanding and technical facility at a professional entry level in their chosen field

REQUIREMENTS FOR THE MAJOR
(Fine Arts, BFA)

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see, “The Bachelor's Degree” section of the catalog, pp. 67-82.

Unit Requirement

Total units in the major: 70
Total units required for the degree: 120

Special Grade Requirement

A minimum GPA of 3.00 ("B" average) must be maintained for all courses taken to satisfy the requirements of the major.

Lower Division (27 units)

ART 103A (3) Prehistoric to Medieval Art
ART 103B (3) Renaissance to Contemporary Art

Lower Division Studio Courses

ART 105B (3) Fundamentals of Drawing
ART 105C (3) 2D Foundations
ART 105D (3) 3D Foundations

Lower Division Studio Electives

Complete four courses (12 units) from the following list.

ART 106 (3) Painting I
ART 107 (3) Printmaking I
ART 108 (3) Graphic Design I
ART 109 (3) Sculpture I
ART 112 (3) Scientific Drawing I
ART 122 (3) Life Drawing I
ART 250 (3) Darkroom Photography
ART 251 (3) Photography I
ART 273 (3) Illustration I
ART 282 (3) Jewelry & Small Metals I
ART 290 (3) Ceramics I

Upper Division (43 units)

ART 303 (3) Global Contemporary Art
ART 301 (3) Topics in Western Art History
ART 302 (3) Topics in Global Art History [DCG-n]
ART 304 (3) Topics in American Art History [DCG-d]
ART 410 (4) Art History Seminar

Professional Development

ART 437 (3) Professional Practices in Art
ART 356 (3) Museum and Gallery Practices, or
ART 491A (3) Teaching Assistant: Studio Art
ART 494 (4) BFA Practicum in Studio Art

Upper Division Studio Electives

Complete eight courses (24 units) from the following lists. At least one course must be from List B.

Studio Electives List A

ART 321 (3) Drawing II
ART 325 (3) Life Drawing II
ART 326 (3) Painting II
ART 330 (3) Printmaking: Studio Topics
ART 337 (3) Photography: Studio Topics
ART 340 (3) Graphic Design II
ART 345 (3) Sculpture: Studio Topics
ART 346 (3) Sculpture: Materials & Methods
ART 348 (3) Jewelry and Small Metals: Casting
ART 350 (3) Ceramics: High Fire
ART 351 (3) Ceramics: Low Fire
ART 367 (3) Photography II
ART 372 (3) Graphic Design: Studio Topics
ART 373 (3) Illustration II
ART 395 (1-6) Topics in Studio Art
ART 396B (3) Art Workshop
ART 499 (3) Directed Study

Studio Electives List B

ART 324 (3) Drawing III
ART 329 (3) Painting III
ART 333 (3) Printmaking: Portfolio Development
ART 339 (3) Photography: Portfolio Development
ART 343 (3) Graphic Design: Portfolio Development
ART 347 (3) Sculpture: Portfolio Development
ART 349 (3) Jewelry & Small Metals: Studio Topics
ART 359 (3) Ceramics: Portfolio Development

REQUIREMENTS FOR THE MINORS

Art History Minor

Total units required for the minor: 19

Lower Division (9 units)

ART 103A (3) Prehistoric to Medieval Art
ART 103B (3) Renaissance to Contemporary Art

2021-2022 Humboldt State University Catalog
Complete one ART 104-series art history courses (3 units).

**Upper Division (10 units)**

ART 410  (4) Seminar in Art History

Complete two additional upper division art history courses (6 units).

**Art Studio Minor**

Total units required for the minor:  **18**

**Lower Division (9 units)**

ART 105B  (3) Fundamentals of Drawing

**Lower Division Studio Electives**

Complete 6 units of lower division studio electives.

**Upper Division (9 units)**

Complete 9 units of upper division studio electives.
Biology

Bachelor of Science degree with a major in Biology —
with concentrations in:
- Cellular/Molecular Biology
- Ecology
- General Biology
- Marine Biology
- Microbiology
- Science Education

Minor in Biology

Science Teaching Credential

Master of Science degree in Biology

Department Chair
Amy Sprowles, Ph.D.

Department of Biological Sciences
Science Complex B 221
707-826-3245
humboldt.edu/biosci

The Program

Students completing this program will have demonstrated the ability to:
- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists
- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

Humboldt’s program emphasizes hands-on learning. Our diverse facilities include the largest greenhouse in the California State University system, a vertebrate museum containing mammals, reptiles, and amphibians from around the world, and a vascular plant herbarium with almost 200,000 specimens. Near the campus are many parks, forests, and undisturbed habitats for studying plants and animals in their natural surroundings.

Humboldt’s marine laboratory, located on the coast in the nearby town of Trinidad, gives students outstanding opportunities for marine biology projects. The research vessel, the Coral Sea, is used for seagoing field trips. Several smaller boats are used in nearshore waters, coastal lagoons, and Humboldt Bay.

Our well-equipped biotechnology laboratory, cell culture facility, and College Core facility allow modern work in molecular and cellular biology. Scanning and transmission electron microscopes are also available for student use.

Humboldt biology graduates have many job opportunities: teacher, field biologist, marine biologist, museum curator, science librarian, clinical lab technologist, laboratory technician, environmental consultant, microbiologist, and biotechnology research technician. Graduates may also pursue advanced study in biology or a professional degree.

Preparation

In high school take biology, chemistry, and physics (with labs, if possible); beginning and intermediate algebra; geometry; and trigonometry.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 41-42
Concentration units: 23-46
Total units in the major: 64-87
Total units required for the degree: 120

Special Grade Requirement

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

Core Courses (41-42 units)

The following core courses are required for all biology majors. Take all lower division courses before beginning upper division work.

Lower Division

Biol 105 (4) Principles of Biology
Bot 105 (4) General Botany
Chem 110 (5) General Chemistry I
Chem 111 (5) General Chemistry II
Math 105 (3) Calculus for the Biological Sciences & Natural Resources, or
Math 109 (4) Calculus I
Phyx 106 (4) College Physics: Mechanics & Heat
Stat 109 (4) Introductory Biostatistics
Zool 110 (4) Introductory Zoology

Upper Division

Biol 307 (4) Evolution
Biol 340 (4) Genetics

Concentrations (23-46 units)

Complete one of the following concentrations to fulfill the requirements of the major:

Cellular/Molecular Biology

Concentration (25-35 units)

See biology core courses.

Lower Division

Phyx 107 (4) College Physics: Electromagnetism & Modern Physics, or
Phyx 118 (1) College Physics: Biological Applications
Chem 228 (4) Brief Organic Chemistry, or the two-semester series:
Chem 324 (3) Organic Chemistry I, and
Upper Division

Biol 350 (3) Cell Biology
Complete one physiology courses from:
- Bot 310 (4) General Plant Physiology
- Zool 310 (4) Animal Physiology
- Zool 312 (4) Human Physiology
Complete one of the following:
- Biol 440 (2) Molecular Genetics Lab
- Biol 450 (2) Cell Biology Laboratory

Upper Division Restricted Electives

Complete 12 units from the courses below. [No more than 2 units of Biol 490 or Biol 499 may be used to fulfill this requirement.]
- Biol 412 (4) General Microbiology
- Biol 440 (2) Molecular Genetics Lab (if not already taken)
- Biol 450 (2) Cell Biology Lab (if not already taken)
- Biol 544 (2) Stem Cell Biology
- Biol 544L (2) Stem Cell Biology Lab
- Biol 564 (4) Transmission & Scanning Electron Microscopy
- Biol 490 (1-2) Senior Thesis, or
- Biol 499 (1-2) Directed Study

Ecology Concentration (30-37 units)

See core courses.

Lower Division

Chem 224L (2) Organic Chemistry I Lab,
Chem 225 (3) Organic Chemistry II, and
Chem 225L (2) Organic Chemistry II Lab,

Upper Division

Biol 350 (3) Cell Biology
Biol 430 (4) Principles of Ecology
Biol 434 (4) Population & Community Ecology
Complete 4-5 units from the following:
- Biol 350 (3) Cell Biology and [either
- Biol 440 (2) Molecular Genetics Lab or
- Biol 450 (2) Cell Biology Lab]
- Biol 412 (4) General Microbiology, or
- Bot 310 (4) General Plant Physiology, or
- Zool 310 (4) Animal Physiology
Complete at least 3 units of additional courses from the following:
- Biol 412 (4) General Microbiology
- Bot 350 (4) Plant Taxonomy
- Bot 354 (4) Agrosystematics
- Bot 355 (4) Lichens and Bryophytes
- Bot 356 (4) Phycology
- Bot 358 (2) Biology of Microfungi
- Bot 359 (2) Biology of Ascomycetes and Basidiomycetes
- Fisch 310 (4) Ichthyology
- Wldf 365 (3) Ornithology I
- Zool 314 (5) Invertebrate Zoology
- Zool 316 (3) Freshwater Aquatic Invertebrates
- Zool 354 (4) Herpetology
- Zool 356 (3) Mammalogy
- Zool 358 (4) General Entomology
- Zool 556 (4) Marine Mammalogy
Complete one upper division statistics course (e.g., Stat 333, Stat 406)

Upper Division Electives

Complete three additional upper division courses [totaling at least 7 units] chosen with your advisor and focused on developing your skills as an ecologist.

General Biology Concentration (28-38 units)

See core courses.

Lower Division

Bio 255 (3) Marine Biology
Chem 224 (4) Brief Organic Chemistry
Ocean 109/109L (3/1) General Oceanography/Lab
Phyx 107 (4) College Physics: Electromagnetism & Modern Physics, or
Phyx 118 (1) College Physics: Biological Applications
Take all lower division courses before beginning upper division work.

Upper Division

Bio 330 (4) Principles of Ecology
Bio 412 (4) General Microbiology, or
Bio 418 (3) Marine Microbiology
Bio 433 (3) Microbial Ecology and
Bio 433D (1) Microbial Ecology Discussion
Complete one course from the following:
- Bio 350 (3) Cell Biology
- Bot 310 (4) General Plant Physiology
- Zool 310 (4) Animal Physiology
- Zool 312 (4) Human Physiology
Complete either:
- Chem 228 (4) Brief Organic Chemistry
or the two-semester series:
- Chem 224 (3) Organic Chemistry I
- Chem 224L (2) Organic Chemistry II Lab
- Chem 225 (3) Organic Chemistry II
- Chem 225L (2) Organic Chemistry II Lab
Complete at least 12 additional units of upper division courses in biological sciences, chosen in consultation with an academic advisor:

Marine Biology Concentration (40-46 units)

See core courses.

Lower Division

Bio 255 (3) Marine Biology
Chem 224 (4) Brief Organic Chemistry
Ocean 109/109L (3/1) General Oceanography/Lab
Phyx 107 (4) College Physics: Electromagnetism & Modern Physics, or
Phyx 118 (1) College Physics: Biological Applications
Take all lower division courses before beginning upper division work.

Upper Division

Bio 330 (4) Principles of Ecology
Bio 350 (3) Cell Biology
Bot 310 (4) General Plant Physiology
Zool 310 (4) Animal Physiology
Zool 312 (4) Human Physiology
Complete one of the following:
- Bio 490 (1-2) Senior Thesis
- Bio 498 (2) Marine Biology Capstone Research
Complete one of the following:
- Bio 499 (1-2) Directed Study
Complete at least one advanced marine biology elective from the following list, or from any optional course NOT taken above.
- Bio 418 (3) Marine Microbiology
- Bot 553 (3) Marine Macrophyte Ecology
- Fish 375 (3) Marine Biology
- Fish 437 (4) Marine Biophysics
- Ocean 410 (3) Zooplankton Ecology
Microbiology Concentration
(23-34 units)
See core courses.

Lower Division


Complete either:
CHEM 228  [4] Brief Organic Chemistry, or the two-semester series:

Take all lower division courses before beginning upper division work.

Upper Division


Upper Division Restricted Electives

Complete 6 units from the courses listed below.
BIOL 350  [3] Cell Biology
BIOL 440  [2] Molecular Genetics Lab (if not already taken)
BIOL 450  [2] Cell Biology Lab
BOT 358  [2] Biology of the Microfungi
CHEM 438  [4] Introductory Biochemistry

Or upper division statistics course with the approval of your advisor:

Science Education Concentration
(31 units)
See core courses.

Lower Division


Take all lower division courses before beginning upper division work.

Program Admission Requirements

Bachelor’s degree in biology, botany, zoology, or a related subject area approved by the Department of Biological Sciences.

Undergraduate GPA at least 2.50 overall or 3.00 for the last 60 semester units of credit.

Submited results of the aptitude portion of the Graduate Record Examination (GRE).

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE IN BIOLOGY

For a description of degree requirements to be fulfilled in addition to those listed below, please see “The Master’s Degree” on page 83.

Total units required for the degree: 30

Core Courses

BIOL 683  [1] Introduction to Graduate Studies
BIOL 684  [1] Introduction to Graduate Research
BIOL 685  [1] Seminar in Biology [take two seminars]

Complete upper division or graduate units in biological sciences or supporting courses approved by the graduate committee to bring total to 30 units. A minimum of 18 units must be at the graduate level.

BIOL 597 Methods in Laboratory Instruction, can be used to fulfill 2 of the 30 units required for the degree, but cannot be used to fulfill any of the 18 graduate-level units.

While in residence, enrollment in a minimum of 2 units * per semester of:

*Combined total of not less than 4 nor more than 8 units of BIOL 690 and/or BIOL 699 (with a maximum of 6 units in BIOL 690) and a thesis or project approved by the graduate committee.

Culminating Experience

Oral presentation of the thesis or project work and defense of the thesis or project before the graduate committee.

Note:

BIOL 307 Evolution is the only upper division GE Area B course that can be used to satisfy requirements for the Biology minor.

MASTER OF SCIENCE DEGREE IN BIOLOGY

The Program

Graduate students will:
- apply a rich body of relevant biological sciences knowledge and information to solve complex scientific problems and challenges
- present a proposal for biological research or project of their own design
- conduct a unique and independent biological investigation or an independent project according to the rigors and conventions of the field
- communicate the results of their scientific investigation or project in an oral format according to conventions of the discipline
- communicate the results of their scientific investigation or project in writing according to the conventions of the discipline
**Botany**

**Bachelor of Science degree with a major in Botany**

**Minor in Botany**

**Master of Science degree in Biology** [see Biology]

**Department Chair**
Amy Sprowles, Ph.D.

**Department of Biological Sciences**
Science Complex B 221
707-826-3245
humboldt.edu/biosci

**The Program**

Students completing this program will have demonstrated the ability to:

- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists
- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

Humboldt State University has the largest greenhouse of all the state campuses, containing an extensive collection of plants from around the world. Students also find a large collection of pressed plants in the herbarium.

Several plant growth chambers allow students to control growing conditions of plants. Native plants in nearby wilderness areas also provide excellent opportunity for study.

Our botany graduates do well in these careers: herbarium curator; naturalist; plant physiologist, technical writer; plant ecologist, environmental consultant; botanist, horticulturist, science librarian, plant pathologist.

**Preparation**

In high school take biology, chemistry, and physics (with labs, if possible), algebra (beginning, intermediate), geometry, and trigonometry.

**Requirements for the Major**

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see, “The Bachelor’s Degree” section of the catalog, pp. B7-B2.

**Unit Requirements**

Total units in the major: 72-79

Total units required for the degree: 120

**Special Grade Requirement**

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

**Lower Division (34-37 units)**

**BIOL 105** (4) Principles of Biology
**BOT 105** (4) General Botany
**CHEM 109** (5) General Chemistry I
**CHEM 110** (5) General Chemistry II
**CHEM 228** (4) Brief Organic Chemistry
**MATH 105** (3) Calculus for the Biological Sciences & Natural Resources*
**PHYX 106** (4) College Physics: Mechanics & Heat
**PHYX 107** (4) College Physics: Electromagnetism & Modern Physics, or
**PHYX 118** (1) College Physics: Biological Applications
**STAT 109** (4) Introductory Biostatistics
**ZOO 110** (4) Introductory Zoology

**Upper Division (38-42 units)**

**BIOL 307** (4) Evolution
**BIOL 330** (4) Principles of Ecology
**BIOL 340** (4) Genetics
**BOT 310** (4) General Plant Physiology

**Botanical Diversity**

Complete three of the five (a-e) options:

a) **BOT 350** (4) Plant Taxonomy
b) **BOT 354** (4) Agrostology
c) **BOT 355** (4) Lichens & Bryophytes
d) **BOT 356** (4) Mycology
e) **BOT 358** (2) Biology of the Microfungi and **BOT 359** (2) Biology of Ascomycetes & Basidioymycetes, or

**BOT 360** (2) Biology of the Fleshy Fungi and **BOT 360L** (2) Biology of the Fleshy Fungi Lab, or

**BOT 394** (3) Forest Pathology

**Plant Structure/Development/Evolution**

Complete one course.

**BOT 322** (4) Developmental Plant Anatomy
**BOT 372** (4) Evolutionary Morphology of Plants
**BOT 521** (3) Paleobotany

**Life Science Electives**

Complete one of the following or an upper division zoology (ZOOL), fisheries (FISH) or wildlife (WLD) course with a lab for 3-5 units. The course must be approved by your academic advisor.

**BOT 330** (2) Plant Ecology.
**BOT 330L** (1) Plant Ecology Lab
**BOT 553** (3) Marine Macrophyte Ecology
**BIOL 350** (3) Cell Biology
**BIOL 412** (4) General Microbiology
**BIOL 418** (3) Marine Microbiology
**BIOL 433** (3) Microbial Ecology.
**BIOL 433D** (1) Microbial Ecology Discussion
**BIOL 434** (4) Population & Community Ecology
**BIOL 448** (3) Biogeography

* MATH 109 may substitute for MATH 105.
<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 564</td>
<td>4</td>
<td>Transmission &amp; Scanning Electron Microscopy</td>
</tr>
<tr>
<td>OCN 109</td>
<td>3</td>
<td>General Oceanography and</td>
</tr>
<tr>
<td>OCN 109L</td>
<td>1</td>
<td>General Oceanography Lab</td>
</tr>
<tr>
<td>SOIL 260</td>
<td>3</td>
<td>Introduction to Soil Science</td>
</tr>
</tbody>
</table>

**Research Requirement**

Complete one course (1 unit) from:
- BIOL 490 (1-2) Senior Thesis
- BIOL 499 (1-2) Directed Study

**REQUIREMENTS FOR THE MINOR**

Total units required for the minor: 22

**Lower Division (8 units)**

- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany

**Upper Division Electives (14 units)**

Complete 14 units of upper division courses in botany, approved by minor advisor. Of these 14 units, a minimum of 6 units must be courses NOT used to satisfy your major requirements.

**Note:** BOT 300 Plants & Civilization may NOT be used to satisfy requirements for the botany minor.
Bachelor of Science degree
with a major in Business Administration —
with concentrations in:
Accounting
Economics
Finance
Marketing
New Venture Management

Minor in Business Administration

Master of Business Administration

School Chair
Hari Singh, Ph.D.

School of Business
Siemens Hall 111
707-826-3224
business.humboldt.edu

The Program
Our faculty are committed to providing students with opportunities for hands-on learning and collaborative, team-oriented projects.

Our goal is to educate students for lifelong learning. Our curriculum emphasizes critical thinking and communication skills stressing integration of business disciplines with concentrations in accounting, economics, finance, marketing, and new venture management.

Business students apply a wide-range of technical skills, including projects that develop their information research capability. Acquisition, analysis, and presentation of all types of data are skills emphasized in our program.

Business majors can participate in student club activities, in community internships, and other special events that provide professional and practical opportunities.

Program Learning Outcomes
Students completing this program will:

- be able to communicate effectively in written and oral forms individually and in groups
- be able to demonstrate knowledge and awareness of legal, ethical, social and environmental justice, sustainability, and global business environment.
- be able to demonstrate business problem-solving skills.
- possess quantitative and technological skills enabling them to analyze, interpret, and present business data to improve business decisions and performance.
- be able to demonstrate an understanding of business functions, practices, and theories and able to integrate the functional knowledge and skills to address business problems.

Preparation
High school students should follow preparation requirements for the CSU system.
Community college students should take approved substitutes for lower division core courses. Community college courses may not be transferred to fulfill upper division core or concentration requirements.

Consult your community college advisor or contact the School of Business if you have questions about transfer credit for business courses.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-62.

Unit Requirements
Core units: 39
Concentration units: 22-24
Total units in the major: 61-63
Total units required for the degree: 120

Special Grade Requirement
Students must earn a minimum grade of C- in all required courses.

Core Courses (39 units)
The following core courses are required for all majors.

Lower Division
BA 210  [4] Legal Environment of Business
MATH 104  [3] Finite Mathematics, or

Upper Division
BA 322  [4] Business Analytics
BA 496  [4] Strategic Management

Concentrations (22-24 units)
Select one of the concentrations listed below and complete all requirements. Check with the department office or with an advisor regarding the availability of concentration courses.

Accounting Concentration (24 units)
Complete five courses (20 units) from:
BA 452  [4] Cost Accounting, Planning & Control

Economics Concentration (22 units)
ECON 311  [4] Intermediate Macroeconomics
ECON 490  [2] Capstone Experience

Students seeking a baccalaureate in business administration with a concentration in economics may not also receive a minor in economics.

Finance Concentration (24 units)
BA 422  [4] Financial Data Analytics & Econometrics
BA 460  [4] Responsible Investment Management
BA 462  [4] Corporate Finance & Valuation
BA 466  [4] Entrepreneurial Finance

Marketing Concentration (24 units)
BA 441  [4] Retailing & Services Marketing
BA 446  [4] Marketing Research
NEW VENTURE MANAGEMENT CONCENTRATION (24 UNITS)

Complete five of the following six courses (20 units):

BA 432 (4) Leading Sustainable Ventures
BA 430 (4) Introduction to New Ventures
BA 431 (4) Global E-Commerce Entrepreneurship
BA 433 (4) Service Venture Management
BA 437 (4) Entrepreneurial Analytics & Technology

ECON 309 (3) Economics of a Sustainable Society
ECON 309D (1) Economics of a Sustainable Society - Additional Depth

Senior Experience

Complete one of the following courses (4 units)

BA 438 (4) Applications in Entrepreneurship
BA 439 (4) New Venture Consulting

Electives for Concentrations

These courses may be taken as substitutions upon advisor approval.

BA 106 (3) Advocating for Sustainability and
BA 106D (1) Advocating for Sustainability Add'l Depth
BA 120 (1) Business Essentials
BA 304 (3) Business Psychology
BA 430 (4) Introduction to New Ventures
BA 438 (4) Applications in Entrepreneurship
BA 439 (4) New Venture Consulting

REQUIREMENTS FOR THE MINOR

A minor in business can complement your existing major by adding practical applied skills that are useful for the job market.

Special Grade Requirement

Students must earn a minimum grade of C in all required courses.

Total units required for the minor: 18

Complete a minimum of 18 units, 9 of which must be upper division. The following are suggested tracks for a minor:

Accounting/Finance Track

BA 250 (4) Financial Accounting
BA 252 (4) Management Accounting
BA 360 (4) Principles of Finance
BA 453 (4) Tax Accounting
BA 460 (4) Responsible Investment Management

General Business Track

BA 105 (3) Critical Thinking in Organizations
BA 210 (4) Legal Environment of Business
BA 340 (4) Principles of Marketing
BA 370 (4) Principles of Management
BA 432 (4) Leading Sustainable Ventures

Marketing Track

BA 105 (3) Critical Thinking in Organizations
BA 340 (4) Principles of Marketing
BA 445 (4) Marketing Communications
BA 448 (4) Consumer Behavior

MBA Track

STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support [Coreq: STAT 8]
BA 250 (4) Financial Accounting
BA 340 (4) Principles of Marketing
BA 360 (4) Principles of Finance
BA 370 (4) Principles of Management

New Venture Management Track

BA 105 (3) Critical Thinking in Organizations
BA 370 (4) Principles of Management
BA 430 (4) Introduction to New Ventures
BA 431 (4) Global E-Commerce Entrepreneurship
BA 433 (4) Service Venture Management

NOTE: Students who minor in Business Administration, who also intend to enter HSU’s MBA program, must take ECON 210 Principles of Economics as an additional class.

Before completing two courses in the program, students must meet with the minor advisor:

THE MASTER OF BUSINESS ADMINISTRATION PROGRAM

Sustainability is the most important issue of the 21st century. Businesses today are looking for ways to minimize their social and environmental impact while remaining economically viable. As a result, they are looking to hire a new type of MBA graduate — one with the skills and desire to promote economic environmental and social responsibility within their organization.

The program focuses on the long term strategic elements of sustainability.

Our MBA is designed for students from all undergraduate majors. For students with an undergraduate major in the natural, environmental, or social sciences, adding functional business skills to their existing degree can help boost career success.

The graduate program can be completed in one year for full time students.

Our MBA program builds on that tradition by challenging our students to grow into innovative and responsible business leaders.

Qualified students admitted to the program may receive a scholarship and qualified students may receive a paid internship. Current MBA admission requirements are available on the School of Business website business.humboldt.edu.

Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- integrate core business functions with sustainability concepts and frameworks
- apply and evaluate a variety of empirical methods to analyze/test strategic sustainability business issues
- think critically and engage in ethical reasoning
- communicate complex business and sustainability concepts clearly and persuasively in writing, presentation, and teamwork.

Prerequisite Courses (16 units)

Accounting

BA 250 (4) Financial Accounting [or equivalent]

Economics

ECON 210 (4) Principles of Economics [or equivalent]

Finance

BA 360 (4) Principles of Finance [or equivalent]

Statistics

STAT 108 (3) Elementary Statistics [or equivalent]
Applicants must complete all the degree requirements shown above before enrolling in MBA courses.

**REQUIREMENTS FOR THE DEGREE**

**Master of Business Administration**

For a description of degree requirements to be fulfilled in addition to those listed below, see "The Master’s Degree" on page 83.

Graduate students must maintain a 3.00 minimum GPA. No grade less than a B- will count for progress toward the degree.

Total units required for the degree: **32**

**Required Courses**

*Complete all the following courses.*

**Fall Semester (12 units)**

- MBA 605 (4) Strategic Sustainability Foundations
- MBA 610 (4) Research Methods
- MBA 620 (4) Accounting for Corporate Social Responsibility

**Spring Semester (12 units)**

- MBA 630 (4) Marketing Management for Shared Value
- MBA 640 (4) Financial Management for Sustainable Growth
- MBA 650 (4) Designing Sustainable Organizations

**Summer Capstone Term (8 units)**

- MBA 675 (4) Sustainability/Ethics
- MBA 679 (4) Strategic Analysis
- MBA 691 (0) MBA Comprehensive Exam *

*Master’s Capstone Project (MBA 692) available upon approval of the MBA program coordinator and faculty advisor at the beginning of the program.

**Optional**

- MBA 682 (1-4) Business Internship

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CHEMISTRY

Bachelor of Science degree
with a major in Chemistry

Bachelor of Science degree
with a major in Chemistry — concentration in Biochemistry

Bachelor of Arts degree
with a major in Chemistry

Minor in Chemistry

Department Chair
Matthew Hurst, Ph.D.

Department of Chemistry
Science Complex A 470
707-826-3277
humboldt.edu/chemistry

The Program

Students completing this program will have demonstrated:
- understanding of what chemistry reveals about the nature of physical reality
- proficiency in abstract reasoning
- sound abilities in written and oral communications
- understanding of and use of physical and mathematical models
- understanding of the relationship of experimental observation to chemical theory and knowledge
- proficiency in spatial perception
- critical independent thinking
- chemical knowledge and skills needed in chemistry as well as in other disciplines
- breadth, depth, and rigor characteristic of a professional chemist
- proficiency and skill in performing laboratory techniques and in making and interpreting laboratory observations
- understanding of the theory and operation of fundamental modern laboratory instruments.

Students majoring in chemistry may choose either a Bachelor of Science or a Bachelor of Arts degree. Both degrees offer excellent preparation for graduate study and professional schools.

The BS degree with a major in chemistry fulfills requirements for professional training established by the American Chemical Society. Students may choose the biochemistry concentration, which prepares them for careers in biochemistry and related fields, as well as for graduate study.

Students who choose the BA program find less specialization in chemistry and greater opportunity for study in other fields. This program is recommended for students wanting a standard teaching credential with specialization in secondary school teaching.

Potential careers: analytical chemist, biotechnologist, nutritionist, food and drug inspector, toxicologist, organic or inorganic chemist, medical technologist, genetic engineer, physical chemist, pharmacologist, science librarian, biochemist, forensic chemist, sanitarian, geochemist, environmental consultant, chemical engineer.

REQUIREMENTS FOR THE MAJOR

Chemistry (BS)

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Modifications to General Education Requirements

The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for either option in the Chemistry major.

Special Grade Requirement

Students must complete all courses in the major with a C- or better.

Unit Requirements

Core units: 57
Chemistry/Biochemistry: 21/26
Total units in the major: 78/83
Total units required for the degree: 120

Core Courses (57 units)

The following core courses are required for all chemistry (BS) majors.

Lower Division Core

CHEM 109  (5) General Chemistry I
CHEM 110  (5) General Chemistry II
MATH 109  (4) Calculus I
MATH 110  (4) Calculus II
MATH 210  (4) Calculus III
PHYX 109  (4) General Physics A
PHYX 210  (4) General Physics B
PHYX 211  (4) General Physics C

Upper Division Core

CHEM 323  (1) Nuclear Magnetic Resonance Spectroscopy Techniques
CHEM 324  (3) Organic Chemistry I
CHEM 324L (2) Organic Chemistry I Lab
CHEM 325  (3) Organic Chemistry II
CHEM 325L (2) Organic Chemistry II Lab
CHEM 341  (5) Quantitative Analysis
CHEM 361  (3) Physical Chemistry I
CHEM 362  (3) Physical Chemistry II
CHEM 485  (1) Seminar in Chemistry

Chemistry (21 units)

Complete the following upper division courses to fulfill the requirements of the chemistry major (no concentration).

CHEM 310  (3) Inorganic Chemistry I
CHEM 330  (3) Molecular Modeling
CHEM 363  (2) Physical Chemistry II Lab
CHEM 410  (3) Inorganic Chemistry II
CHEM 410L (2) Inorganic Chemistry II Lab
CHEM 438  (4) Introductory Biochemistry
CHEM 441  (4) Instrumental Analysis

Biochemistry Concentration

(26 units)

Complete the following courses to fulfill the requirements of the chemistry major with a concentration in biochemistry.

Lower Division

BIOL 105  (4) Principles of Biology
BOT 105  (4) General Botany, or
ZOOI 110  (4) Introductory Zoology

Upper Division

CHEM 434  (3) Biochemistry I
CHEM 434L (2) Biochemistry I Lab
CHEM 435  (3) Biochemistry II
CHEM 435L (2) Biochemistry II Lab
BIOL 340  (4) Genetics
BIOL 412  (4) General Microbiology, or
BOT 310  (4) Gen. Plant Physiology, or
ZOOI 310  (4) Animal Physiology

REQUIREMENTS FOR THE MAJOR

Chemistry (BA)

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 54-71
Total units required for the degree: 120

Special Grade Requirement

Students must earn a minimum grade of C- in all courses with the “CHEM” prefix for the BA Chemistry Major degree.
Lower Division

CHEM 109  (5) General Chemistry I
CHEM 110  (5) General Chemistry II

Complete one of these calculus series:

- MATH 105  (3) Calculus for the Biological Sciences & Natural Resources
- MATH 215  (3) Multivariate Calculus for the Biological Sciences & Natural Resources
- MATH 109  (4) Calculus I
- MATH 110  (4) Calculus II
- MATH 210  (4) Calculus III

Complete one of these physics series:

- PHYX 106  (4) College Physics: Mechanics and Heat
- PHYX 107  (4) College Physics: Electromagnetism & Modern Physics
- PHYX 109  (4) General Physics A
- PHYX 210  (4) General Physics B
- PHYX 211  (4) General Physics C

Upper Division

CHEM 310  (3) Inorganic Chemistry I
CHEM 323  (1) Nuclear Magnetic Resonance Spectroscopy Techniques
CHEM 324  (3) Organic Chemistry I
CHEM 324L (2) Organic Chemistry I Lab
CHEM 325  (3) Organic Chemistry II
CHEM 325L (2) Organic Chemistry II Lab
CHEM 341  (5) Quantitative Analysis
CHEM 361  (3) Physical Chemistry I
CHEM 363  (2) Physical Chemistry II Lab

Complete one of the following:

- CHEM 362  (3) Physical Chemistry II
- CHEM 363  (2) Physical Chemistry II Lab
- CHEM 410  (3) Inorganic Chemistry II
- CHEM 410L (2) Inorganic Chemistry II Lab
- CHEM 441  (4) Instrumental Analysis

Complete one of the following:

- CHEM 438  (4) Introductory Biochemistry
- CHEM 434  (3) Biochemistry I
- CHEM 434L (2) Biochemistry I Lab
- CHEM 435  (3) Biochemistry II
- CHEM 435L (2) Biochemistry II Lab

Requirements for the Minor

Total units required for the minor: 25

Special Grade Requirement

Students must earn a minimum grade of C- in all courses with the “CHEM” prefix in the chemistry minor.

Lower Division

CHEM 109  (5) General Chemistry I
CHEM 110  (5) General Chemistry II

Upper Division

Complete 15 approved units, including at least one of the following sequences. A minimum of 8 upper division units must be earned at HSU.

- CHEM 323  (1) Nuclear Magnetic Resonance Spectroscopy Techniques
- CHEM 324  (3) Organic Chemistry I
- CHEM 324L (2) Organic Chemistry I Lab
- CHEM 325  (3) Organic Chemistry II
- CHEM 325L (2) Organic Chemistry II Lab
- CHEM 341  (5) Quantitative Analysis
- CHEM 361  (3) Physical Chemistry I
- CHEM 362  (3) Physical Chemistry II
- CHEM 363  (2) Physical Chemistry II Lab
- CHEM 434  (3) Biochemistry I
- CHEM 434L (2) Biochemistry I Lab
- CHEM 435  (3) Biochemistry II
- CHEM 435L (2) Biochemistry II Lab

For the required 15 units, all of the above courses and the following courses are approved for all students:

CHEM 310  (3) Inorganic Chemistry I
CHEM 330  (3) Molecular Modeling
CHEM 370  (3) Earth System Chemistry
CHEM 410  (3) Inorganic Chemistry II
CHEM 410L (2) Inorganic Chemistry II Lab
CHEM 495  (1-3) Undergraduate Research

The following courses are approved for all students except those listed:

CHEM 228  (4) Brief Organic Chemistry
[not approved for students getting credit for CHEM 324/324L or 325/325L]
CHEM 438  (4) Introductory Biochemistry
[not approved for students getting credit for CHEM 434/434L or 435/435L]
Bachelor of Arts degree with a major in Child Development & Family Relationships —
with concentrations in:
Child & Family Services
Teaching
Specialized Studies
Minor in American Indian Education
(see American Indian Education)
Minor in American Sign Language and Special Populations (see American Sign Language & Special Populations)
Minor in Early Childhood Development
Minor in Family Studies (see Family Studies)
Department Chair
Dr. Kishan Lara-Cooper
Department of Child Development
Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
childdev.humboldt.edu

The Program
Students completing this program will have demonstrated:
- description of the principles and patterns of growth and development in the cognitive, physical and motor, communicative, emotional, and social domains
- critical evaluation of literature germane to child development (theories, research, historical viewpoints, current viewpoints; contemporary trends, assumptions, practices)
- identification and evaluation of the variety of factors that influence children’s development (personal, familial, social)
- knowledge about child development related professions (services, common foundation, opportunities for collaboration)
- practical skills in working with children (assessment instruments, guidance approaches)
- skills required of professionals in the field (interpersonal communication, collaboration, reflection, ethics, personal decision making, advocacy, writing, presenting, and using information technology).

The Child Development & Family Relationships major focuses on the ever-growing body of knowledge about children and its applications to provide a holistic approach to the study of children from birth to age 18. This major provides the basis for a variety of careers including, preschool or elementary teacher; after-school program leader; child abuse prevention worker; civilian employee for military base family/child services; consultant for employer-sponsored child/family program; early childhood special education teacher; home visitor for at-risk families; infant/toddler intervention worker; licensing representative, parent educator, Peace Corps/Americorps volunteer; public policy advocate; recreation leader; researcher; resource and referral coordinator; social worker; special education teacher; youth services coordinator; university professor.

Humboldt’s program is unique among the child development programs in the CSU system in that:
- core courses (which all students take) give cohesive and comprehensive attention to children’s development and socialization;
- an on-campus practicum is required;
- additional practicums with children or families are available in the emphasis areas;
- coursework beyond the core is based on the student’s own identified special interests.

In core courses students learn basic principles and theories of child development, as well as practices that support children and families. Students select one of the following three concentrations: Child and Family Services, Teaching or Specialized Studies. Within the first two concentrations, students also select an emphasis. The Specialized Studies concentration is individually designed between student and advisor.

Preparation
High school students should take courses in history, political science, English, and speech.


Transfer students who have completed an approved 24-unit CAP transfer package, should follow the plan of study below to complete the Child Development core and Specialized Studies concentration at Humboldt State within two years of full-time study if lower division education coursework is also complete.

Major Requirements

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Child Development & Family Relationships

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82. The Upper Division Area D General Education requirement is met by the coursework within the major.

Special Grade Requirement
Students must earn a minimum grade of C in all courses required for the major, including core, concentration, and emphasis.

Unit Requirements
Core units: 34-35
Concentration units: 24-30
Total units in the major: 58-66
Total units required for the degree: 120

Core Courses (34-35 units)
The following core courses are required for all CDFR majors. See the major academic plan for the suggested course sequence. (There may be scheduling problems that delay graduation if 200- and 300-level courses are postponed.)
Complete one of the following courses, (Course must be selected in consultation with major advisor.)

CD 209* (3) Middle Childhood Development
CD 253* (3) Prenatal & Infant Development
CD 255* (3) Early Childhood Development
PSYC 414† (3) Psychology of Adolescence & Young Adulthood

Complete the following courses.

CD 211 (3) Perspectives: Professional Development, or
CD 211S (3) Perspectives: Professional Development
CD 257* (4) Supervised Work with Children I
CD 310 (3) Perspectives: History & Theory, or
AIE 330 (3) History of Indian Education

† Course requires one or more prerequisites that are not required elsewhere in the major.
* CAP transfer students: consult major advisor
Complete 2 units of the following:
CD 482  (1-4) Directed Field Experience /Internship

**Emphases**

Select one emphasis within the teaching concentration and complete all requirements.

**Early Childhood Education & Care Emphasis**
CD 251  (3) Children, Families & Their Communities
CD 352  (3) Parent/Child Relationships
CD 362  (3) Children and Stress, or
CD 464  (3) Atypical Child Development

Note: Students completing this emphasis qualify to apply for the California Commission on Teacher Credentialing Child Development Permit at the Site Supervisor level. To move to the program director level of the permit, students must complete 6 units in early childhood administration and 2 units in adult supervision. In addition, they need at least one year of documented experience as a site supervisor.

**Elementary Education Emphasis**
ART 307  (3) Arts Integration in the Elementary Classroom
KINS 475  (3) Elementary School Physical Education
MATH 308B  (3) Mathematics for Elementary Education
MATH 308C  (3) Mathematics for Elementary Education
SCI 331  (3) Fundamental Concepts in Science Education

Note: Students completing this emphasis qualify to apply for the California Commission on Teacher Credentialing Child Development Permit at the Site Supervisor level with a School Age emphasis. Students are also well prepared for Elementary Education Credential programs to become elementary school teachers.

For information about a specific California Teacher Credentialing Subject Matter program, see separate information on the Child Development Elementary Education Program.

**Special Education/Early Intervention Emphasis**
CD 352  (3) Parent/Child Relationships

Complete two of the following courses.
CD 109Y  (3) American Sign Language I, or
CD 109Z  (3) American Sign Language II

**Specialized Studies Concentration**

**Specialized Studies Concentration (24 units)**

This individually designed concentration is used by students who have very specific career goals such as child life specialist, speech pathologist, infant/family/early childhood mental health, or family life educator; and require specialized preparation and/or postgraduate studies.

**Specialized Studies for CAP Transfers.** Students who have completed the California Curriculum Alignment Project (CAP) approved 24-unit early childhood transfer package should take CD 482 and consult with an advisor.

**Programs Leading to Licensure & Credentialing**

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722. The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

† Course requires one or more prerequisites that are not required elsewhere in the major.
* CAP transfer students: consult major advisor.
Complete 3 units from the following:
CD 482* (1-4) Directed Field Experience/Internship, or
CD 499 (1-4) Directed Study

Elective Courses (21 units)
Complete 21 units that provide:
• a strong disciplinary perspective,
• a clear theme with regard to practices with children and families, and
• any known prerequisites for anticipated graduate work.

REQUIREMENTS FOR THE MINOR

Early Childhood Development

Total units required for the minor: 15

This minor provides a background in the development of children from birth through age eight with a focus on four interrelated areas. The minor is useful to those wishing to work with children and families. Students must complete courses in the following areas:

Growth & Development
Complete two of the following courses:
CD 253 (3) Prenatal & Infant Development
CD 255 (3) Early Childhood Development
CD 350 (3) Perspectives: Life-Span Development

Completion of one of the above courses is a prerequisite to all other courses in the minor.

Guidance & Discipline
Complete one course.
CD 257 (4) Supervised Work with Children I
CD 354 (3) Methods of Observation

Special Needs of Children
Complete one course.
CD 362 (3) Children & Stress
CD 366 (3) Exceptional Children & Their Families
CD 464 (3) Atypical Child Development

Family Relations
Complete one course.
CD 251 (3) Children, Families and Their Communities
CD 352 (3) Parent/Child Relations [DCG-d]
CD 467 (3) Working with Culturally Diverse Families [DCG-d]

Child Development Permit
Students who minor in early childhood development may wish to explore requirements for the Child Development Permit, issued by the California Commission on Teacher Credentialing and required for teaching preschool children in state and federally funded programs in California. For permit eligibility and application procedures visit the Child Development Training Consortium’s website at childdevelopment.org or the California Commission on Teacher Credentialing website at ctc.ca.gov/credentials/CREDS/child-dev-permits.html.
Courses explore different philosophies of 

Students explore careers to clarify their whom they will work. 

Simultaneously, child development students background in content areas they literature. CDEE uses the liberal arts to give 

performing arts; health and physical education; and 

Elementary school teachers must be able to 

Students participate in multiple super-

The Program 

This program is designed for students who wish to become elementary school teachers. It is recommended for transfer students preparing for elementary school teaching. Completion of the Child Development/Elementary Education program (CDEE) requirements also satisfies Humboldt’s general education, institutions, and diversity/common ground requirements. 

CDEE has several distinct features: 

□ Students take the traditional disciplines taught in elementary schools alongside courses focusing on developmental characteristics of children. 

□ The program emphasizes working with children from grades K-6. 

□ Students learn how classroom, school, home, and community impact the child and the learning process. 

□ Courses explore different philosophies of education but emphasize those that see children as active learners. 

□ Students explore careers to clarify their professional goals. 

□ Students participate in multiple supervised classroom experiences. 

Elementary school teachers must be able to teach children basic subjects, but they must also integrate social studies; the visual and performing arts; health and physical education; life, physical, and earth sciences; and literature. CDEE uses the liberal arts to give students background in content areas they will teach. Simultaneously, child development courses orient them to the children with whom they will work. 

The depth of study area focuses on teaching 5- to 9-year-old children enrolled in kindergarten through third grade. It provides in-depth exposure to theories and methodologies that consider children as capable and active learners who construct knowledge through meaningful experiences. 

The CDEE concentration encourages frequent self-assessment and guided career exploration. Supervised experiences in children’s classrooms are key. CDEE students acquire guidance and discipline skills and prepare developmentally appropriate curriculum while working in early primary classrooms. 

For admission requirements to a postbaccalaureate credential program, contact the campus credential program of choice. CDEE students must complete all required courses with a grade of C- or better and have at least a 2.7 overall grade-point average. 

The CCTC requires all majors to complete subject-matter assessment. The assessment [conducted before the student’s final semester] is required before entering, and in some cases applying for any CCTC-approved credential programs. (See Education for admission requirements to Humboldt’s elementary education credential program.) 

REQUIREMENTS FOR THE MAJOR 

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82. Must see Child Development advisor for requirements. 

Core Liberal Arts 

[specific GE requirements] 

Child Development Core Courses [34 units] 

Child Development major includes growth and development courses, practicums with children, and depth of studies options. 

Dr. Kishan Lara-Cooper 

Harry Griffith Hall 229 

707-826-3471 

childdev@humboldt.edu 

childdev.humboldt.edu 

Programs Leading to Licensure & Credentialing 

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722. 

The California State University has not determined whether its programs meet other states’ educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state’s requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(e)(5)(i)(C).
Minor in Mandarin Language & Culture Studies

Department Chair
Joseph Diémé, Ph.D.

Program Director
Joseph Diémé, Ph.D.

Department of World Languages & Cultures
Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
wlc.humboldt.edu

The Program
The minor in Chinese Studies, housed in the Department of World Languages and Cultures, is characterized by its interdisciplinary nature. It consists of a minimum of 25 credit units including core and elective classes. The minor program gives students a language experience and solid cultural base upon which to build an understanding of Chinese culture and society. Additionally, students are encouraged to participate in authorized programs abroad to complete minor requirements. Selection of courses is to be made with the counsel of a Chinese Studies faculty advisor.

Special Scholarship and Awards. The Department of World Languages and Cultures has three permanent scholarships and awards:
- The Benavides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Frank B. Wood Scholarship
All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. See the department web page for further information.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 25

Core Courses (11 units)
Complete the following three courses.
CHIN 105  (4) Chinese Level I
CHIN 106  (4) Chinese Level II
CHIN 109  (3) Introduction to Chinese Studies

Chinese Program Courses (5 units)
Complete a minimum of 5 units selected from the following list:
CHIN 107  (4) Chinese Level III
CHIN 207  (4) Chinese Level IV
CHIN 280  (1-4) Special Topics
CHIN 396  (1) Chinese Film Seminar
CHIN 480  (1-4) Special Topics

Interdisciplinary Courses (9-12 units)
Complete a minimum of three courses (9-12 units) from the following list:
ANTH 307  (3) World Heritage & Archaeology
ANTH 390  (4) Chinese Cultural Heritage Seminar
GEOG 472  (1-4) China & Inner Asia
HIST 329  (4) Imperial China
HIST 338  (4) Modern Chinese History
PHIL 345  (3) Philosophies of China

Courses offered by various departments, often under the rubric of Special Topics, may be relevant and appropriate to the Chinese Studies minor. Such courses will be approved by the Chinese Studies faculty advisor on a case-by-case basis.

Study Abroad Options
Students pursuing a Chinese Studies Minor are strongly encouraged to participate in an HSU or CSU study abroad program in China. They may study for one semester or one year. Classes taken in such programs can be counted toward the minor upon prior consultation and approval by a Chinese Studies faculty advisor.

The cost of the residency abroad varies according to the program and world region. Students should understand the costs involved and plan ahead. Consult with the HSU Center for International Programs.
COMMUNICATION

Bachelor of Arts degree with a major in Communication

Minor in Communication

Department Chair
Maxwell Schnurer, Ph.D.

Department of Communication
Telonicher House, Room 101
707-826-3261
communication.humboldt.edu

The Program

Students completing this program will have demonstrated:

- the ability to present an original, formal, and researched speech
- competence in reflective analysis of persuasive discourse
- basic competency in written communication
- understanding of diversity in relationship to communication
- fundamental understanding of how knowledge is generated in the communication discipline.

Communication majors develop understanding of communication codes, communication and influence, interpersonal and small group communication processes, public communication, cultural differences in communication, and applied communication in work contexts.

The communication major helps graduates develop skills to become more effective advocates, leaders, decision makers, and citizens.

Communication students can become involved in active learning processes inside and outside the classroom. The Communication Club is open to all; honorary society chapters are available for those who excel. The intercollegiate speech and debate program travels throughout the West Coast, where students participate in both debate and individual events tournaments.

Communication graduates excel in many career fields, including education, law, business management, marketing, public relations, human relations, social advocacy, communication consulting, and training and development.

Preparation

High school courses in English, speech, and debate are useful preparation, but are not necessary.
REQUIREMENTS FOR THE MINOR

Total units required for the minor: 12

Complete 12 units of communication (COMM) courses, with 6 units from upper division courses. No more than 3 units from activity courses counted toward the minor.

If used for general education, COMM 100 Fundamentals of Speech Communication and COMM 103 Critical Listening & Thinking cannot be used to meet the 12 units required for the minor.
Bachelor of Science degree in Computer Science

Minor in Computer Science

Department Chair
Bori Mazzag, Ph.D.

Department of Computer Science
Behavioral & Social Sciences 320
707-826-3143
csdept@humboldt.edu
humboldt.edu/computerscience

The Program

Students who graduate from this program will have demonstrated:

- computational thinking, a way of problem solving which draws upon central computing concepts, such as abstraction, virtualization, algorithmic development and analysis, recursion, resource management, and induction
- self-directed learning, whereby graduates may maintain their currency in the field by formulating their own learning goals, identifying learning strategies, identifying available resources, implementing learning strategies, and evaluating learning outcomes
- communicating and collaborating, which pairs the written and oral skills to deliver information with the ability to respect and embrace the diversity others bring to a team
- the ability to produce and digest technical documents

The Computer Science program prepares students for roles across the breadth of computer science, in industry, service, and research. Our approach to computer science includes a rigorous and balanced core of mathematical, theoretical, and practical knowledge about computation. Students in our department spend more instructional hours on topics central to computer science than at many similar institutions, while electives in topics like robotics and Linux challenge students to deeply employ the tools of their discipline. Our approach also emphasizes active engagement of students in the learning process both in and beyond the classroom. To support this approach, faculty vigorously pursue professional development.

 Majors have access to a departmental lab with a variety of language compilers, in addition to other on-campus computing resources. Our Internet Teaching Laboratory (ITL) provides an isolated network for network design experimentation and student investigations in computer security. Servers for n-tier application development are also available to students.

Students participate in the Computer Science Club, affiliated with the national Association for Computing Machinery (ACM). Many students enjoy internship opportunities. Faculty typically hold memberships with professional organizations including the ACM, IEEE Computer Society, and the Consortium for Computing in Small Colleges.

Job Prospects

Numerous careers are available to graduates in this major, including software engineering and development; network management, maintenance, and design; database design and web interface development; scientific computing, and innumerable more. Many of our students pursue graduate studies in areas such as computer graphics, parallel computing, real-time machine interfaces, data communications, computational technology, expert systems, artificial intelligence, embedded computer applications, distributed systems, and networking.

The job forecast for computer specialists is outstanding. More than 540,000 new jobs will be created between 2018 and 2028, according to the Federal Bureau of Labor Statistics. The National Association of Colleges and Employers reports consistently high wage growth across the industry.

Preparation

Oral and written communication skills are central to success in college science majors, including computer science. Prospective students should take as many English, speech, and mathematics courses as possible, as well as general science courses.

Students transferring from a community college should also take courses meeting the Transfer Model Curriculum (TMC) for the major. Prerequisite courses must be passed with a minimum grade of C-. At least one elective course must be from Computer Science (CS prefix) and CS 499 cannot count for more than 3 units of electives.

Major course requirements include:

- At least one elective course must be from Computer Science (CS prefix)
- At least one elective must be an upper division course.
- The total combined units from CS 482 and CS 499 cannot count for more than 3 units of electives.

Electives (6 units)

Complete at least two elective courses from the list below, totaling at least 6 units.

- At least one elective course must be from Computer Science (CS prefix)
- At least one elective must be an upper division course.
- The total combined units from CS 482 and CS 499 cannot count for more than 3 units of electives.

- CS 232  (3) Python Programming
- CS 235  (3) Java Programming
- CS 237  (3) Bioinformatics Programming
- CS 279  (4) Introduction to Linux
- CS 280  (1-3) Selected Topics in Computing
- CS 280L (1-2) Selected Topics in Computing
- CS 444  (4) Robotics
- CS 480  (1-3) Advanced Topics in Computing

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-62.

Unit Requirements

Total units in the major: 63-64
Total units required for the degree: 120

Degree Requirements

A minimum grade of C must be earned in all courses required for the major. Prerequisite courses must be passed with a minimum grade of C-.
CS 480L (1-2) Advanced Topics in Computing
CS 482 (1-4) Internship
CS 499 (1-4) Directed Study
GSP 318† (3) Geospatial Programming I
MATH 351† (4) Introduction to Numerical Analysis
MATH 474 (3) Graph Theory
PHYX 316† (4) Electronic Instrumentation and Control Systems

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 18

Computer Science Foundation Courses (8 units)

CS 111 (4) CS Foundations 1
CS 112 (4) CS Foundations 2

Appropriate substitutions may be approved by the minor advisor but the total units for the minor must equal to at least 18 units.

Computer Science Elective Courses (10 units)

Complete at least three approved elective courses, totaling at least 10 units.

- General Education courses cannot be used as approved elective courses.
- The total combined units from CS 482 and CS 499 cannot count for more than 3 units toward the minor.
- At least two of the courses must be upper division computer science courses with a "CS" prefix, totaling at least 6 units. (CS 482 and CS 499 cannot be used for this upper division requirement.)
- The remaining course(s) needed to reach at least 10 units of elective courses may be lower division CS course(s), upper division CS course(s), at most 3 units combined from CS 482 and/or CS 499, or one of the following electives:

  GSP 318† (3) Geospatial Programming I
  MATH 351† (4) Introduction to Numerical Analysis
  MATH 474 (3) Graph Theory
  PHYX 316† (4) Electronic Instrumentation and Control Systems

† Course requires additional prerequisites. Please consult with your advisor.
Criminology & Justice Studies

Bachelor of Arts degree with a major in Criminology & Justice Studies

Department Chair
Renée Byrd, Ph.D.

CJS Coordinator
Michihiro Clark Sugata, Ph.D.

Department of Sociology
Behavioral & Social Sciences 518
707-826-3139
sociology.humboldt.edu

Affiliated Research Institutes
- Altruistic Personality and Prosocial Behavior Institute
- California Center for Rural Policy (CCRP)
- Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR)
- Humboldt Journal of Social Relations (HJSR)

The Program

Students completing a BA in Criminology and Justice Studies will have demonstrated the following program learning outcomes:

- Effectively communicate orally about social science theory and methods (oral communication)
- Effectively communicate in writing about social science theory and methods (information literacy)
- Think theoretically about crime, justice, and the process and significance of criminalization (social justice)
- Explain the historical evolution of law in relation to social, economic, and political forces (critical thinking - theory)
- Evaluate research designs and analytic techniques (critical thinking - methods)

Criminology & Justice Studies (CJS) students find an active and supportive department culture with a dynamic curriculum intentionally focused on analyzing systems of power through a sociological perspective. Critical criminology challenges traditional understandings of harm and seeks to unearth the social and historical processes that constitute crime. Coursework addresses law, policy, social justice and how systems of oppression are produced and reproduced by the criminal punishment system. Faculty members teaching in this major come from multiple disciplines including sociology, ethnic studies, political science, gender & sexuality studies, anthropology, and Native American studies. CJS core courses are primarily taught through a sociological perspective, which allows students to develop critical thinking about systems-structures and research skills.

The program prepares students to be transformative leaders in a variety of locations, from community activism and policy research to legal advocacy and law enforcement. Above all students will have a solid foundation to work and effect social change. Students pursuing law enforcement careers, should know that those agencies have extensive training programs on the specifics of work in their organization [investigation procedures, safety protocols]. Our program does not provide that training. Our CJS program provides a liberal arts degree with breadth, adaptability and practical application. Graduates choose to work in many different sectors: non-profit, private sector, social services, education, health services, public relations, government. Many of our graduates go on to pursue graduate degrees.

Community engagement and social action are important values of the Department of Sociology. Internships and faculty supervised original research are encouraged for the capstone experience. The sociology/ CJS community advisory board assists with developing and maintaining internships and community action research opportunities.

Preparation

In high school take math, writing, and social science courses (history, psychology, sociology).

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor’s Degree" section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 40-43
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C is required for all courses in the major.

Required Courses (24 units)

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>Upper Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 125 (3) Intro to Criminology and Justice Studies</td>
<td>CRIM 362 (4) Gender; Sexualities and Crime</td>
</tr>
<tr>
<td>CRIM 225 (4) Inequalities/Criminalization</td>
<td>CRIM 410 (4) Theories of Justice &amp; Crime</td>
</tr>
<tr>
<td>CRIM 430 (4) Law and Dissent</td>
<td>SOC 330 (4) Social Deviance</td>
</tr>
<tr>
<td>CRIM 431 (4) Juvenile Delinquency</td>
<td>SOC 363 (4) Environmental Crime</td>
</tr>
<tr>
<td>CRIM 420 (4) Drugs and Society</td>
<td>SOC 466 (4) Migration &amp; the Global Economy</td>
</tr>
<tr>
<td>CRIM 225S (4) Inequalities/Criminalization***</td>
<td>SOC 480 (4) Special Topics***</td>
</tr>
<tr>
<td>SOC 282L (1) Sociological Statistics Lab</td>
<td>Law Complete one course.</td>
</tr>
<tr>
<td>SOC 282L (1) Sociological Statistics Lab</td>
<td>CRIM 455 (4) Policing Bodies: A Biopolitical History of Race, Riots, &amp; Surveillance</td>
</tr>
<tr>
<td>SOC 363 (4) Environmental Crime</td>
<td>CRGS 360 (4) Race, Gender &amp; US Law</td>
</tr>
<tr>
<td>SOC 466 (4) Migration &amp; the Global Economy</td>
<td>ES 306 (3) World Regions Cultural Studies (Topic: Narrating Genocide)</td>
</tr>
<tr>
<td>SOC 480 (4) Special Topics***</td>
<td>NAS 364 (4) Federal Indian Law I</td>
</tr>
<tr>
<td>CRIM 325 (4) Law and Society</td>
<td>PHIL 307 (3) Philosophy of Law</td>
</tr>
<tr>
<td>CRIM 410 (4) Theories of Justice &amp; Crime</td>
<td>PSCI 410‡ (4) U.S. Constitutional Law</td>
</tr>
<tr>
<td>SOC 330 (4) Social Deviance</td>
<td>PSCI 410‡ (4) U.S. Constitutional Law</td>
</tr>
<tr>
<td>SOC 363 (4) Environmental Crime</td>
<td>PSCI 441 (4) International Law</td>
</tr>
<tr>
<td>SOC 466 (4) Migration &amp; the Global Economy</td>
<td>SOC 480 (4) Special Topics***</td>
</tr>
<tr>
<td>SOC 480 (4) Special Topics***</td>
<td>Justice and Policy Complete one course.</td>
</tr>
<tr>
<td>CRIM 420 (4) Drugs and Society</td>
<td>CRIM 430 (4) Law and Dissent</td>
</tr>
</tbody>
</table>

† Course requires one or more prerequisites that are not required elsewhere in the major.
** Service Learning component
***Course only meets requirements if the specific topic is appropriate to the knowledge based area. Consult with an advisor:

Knowledge Based Requirements

13-16 units

Inequalities, Identities, and Crime

Complete one course.

CJS Coordinator
Michihiro Clark Sugata, Ph.D.

Department Chair
Renée Byrd, Ph.D.

Bachelor of Arts degree with a major in Criminology & Justice Studies
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 433</td>
<td>4</td>
<td>Punishment and Justice in Cross-National Perspective</td>
</tr>
<tr>
<td>ES 310</td>
<td>4</td>
<td>US &amp; Mexico Border</td>
</tr>
<tr>
<td>NAS 332</td>
<td>3</td>
<td>Environmental Justice</td>
</tr>
<tr>
<td>NAS 468</td>
<td>3</td>
<td>Tribal Justice Systems</td>
</tr>
<tr>
<td>PSCI 313</td>
<td>4</td>
<td>Politics of Criminal Justice</td>
</tr>
<tr>
<td>SOC 480</td>
<td>4</td>
<td>Special Topics* **</td>
</tr>
</tbody>
</table>

**Social Research and Action Skills**

*Complete one course.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 318†</td>
<td>4</td>
<td>Ethnography</td>
</tr>
<tr>
<td>CRGS 313/EDUC 313 (3)</td>
<td>Community Activism</td>
<td></td>
</tr>
<tr>
<td>FILM 362</td>
<td>4</td>
<td>Social Change Digital Production</td>
</tr>
<tr>
<td>FILM 455</td>
<td>4</td>
<td>Grant Writing</td>
</tr>
<tr>
<td>FILM 455S</td>
<td>4</td>
<td>Grant Writing* **</td>
</tr>
<tr>
<td>PSCI 412</td>
<td>4</td>
<td>Legal Research</td>
</tr>
<tr>
<td>PSCI 413</td>
<td>3</td>
<td>Moot Court</td>
</tr>
<tr>
<td>SOC 475</td>
<td>4</td>
<td>Community Organizing</td>
</tr>
<tr>
<td>SOC 480</td>
<td>4</td>
<td>Special Topics* **</td>
</tr>
<tr>
<td>WS 320</td>
<td>3</td>
<td>Act to End Violence Seminar</td>
</tr>
</tbody>
</table>

**Capstone** (3 units)

*Complete one course.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 482</td>
<td>3</td>
<td>Internship</td>
</tr>
<tr>
<td>SOC 492</td>
<td>3</td>
<td>Senior Thesis</td>
</tr>
</tbody>
</table>

Many contributing departments to the CJS major offer 1-2 unit workshops around pressing social issues and popular topics. We encourage enrollment in these workshops, but the units may not be counted as part of the required 40-43 unit major requirement. Exception: Units may be used to “make up” 1-2 units if a student is short after transferring 3-unit courses from another college.

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† Course requires one or more prerequisites that are not required elsewhere in the major.

** Service Learning component

***Course only meets requirements if the specific topic is appropriate to the knowledge based area. Consult with an advisor.
Bachelor of Arts degree  
with a major in Critical Race, Gender and Sexuality Studies  

Minor in Comparative Ethnic Studies  
(see Ethnic Studies, Comparative Minor)  

Minor in Multicultural Queer Studies  
(see Multicultural Queer Studies)  

Minor in Women’s Studies  
(see Women’s Studies)  

Department Chair  
Kim Berry Ph.D.  
Behavioral & Social Sciences 246  
Department of Critical Race, Gender and Sexuality Studies  
Behavioral & Social Sciences 206  
707-826-4329, fax 707-826-4320  
crgs.humboldt.edu  

The Program  
Our major lies at the intersections of Ethnic Studies (ES), Women’s Studies (WS), and Multicultural Queer Studies (MQS). This interdisciplinary program analyzes how notions of race, gender, sexuality, nation, class, physical ability, and other aspects of social location materially influence people’s lives. Students take a common core of classes then choose an emphasis in ES, WS, or MQS. Students completing this program will have demonstrated the ability to:  
- use intersectional analysis to examine social issues  
- explain prominent debates in critical social theory  
- examine gendered, racialized, and/or sexualized relations in a transnational context  
- link theory to practice  
- write effectively within scholarly contexts  
- articulate the relationship between social justice movements and history.  

CRGS graduates will be prepared to work in such fields as politics and government, business, social services, activism, and community organizing, and to pursue a variety of other jobs in the non-profit sector. In addition, graduates will be in a strong position to enter and successfully complete graduate study programs in the social sciences and humanities as well as obtain professional degrees and credentials leading to a range of careers. Graduates of our program are likely to pursue professions in, for example, social work, library science, education (K-12, community college, and university levels), health care [counselor, psychologist, midwife, doctor, nurse, hospice, and hospital counseling], and law [civil rights attorney, legal representation for domestic abuse and violence cases, human rights law].  

REQUIREMENTS FOR THE MAJOR  
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.  

Unit Requirements  
Core units: 26  
Emphasis units: 16  
Total units in the major: 42  
Total units required for the degree: 120  

Special Grade Requirement  
All courses required for the major must be completed with a minimum grade of C.  

Core Courses (26 units)  
Lower Division  
CRGS 108 [3] Power/Privilege: Gender & Race, Sex, Class  

Historical Content  
Complete one course:  
ES 105 [3] Intro to Ethnic Studies  

Contemporary Issues  
Complete one course:  
ES 106 [3] Intro to Black Studies  
WS 106 [3] Intro to Women’s Studies  

Upper Division  
CRGS 360 [4] Race, Gender & US Law  
CRGS 485 [1] Professional Development  

Community Engagement & Leadership  
CRGS 313/EDUC 313 [3] Community Activism  
Complete 2 units from the following courses:  
CRGS 482 [1-3] Internship  
CRGS 491 [1-2] Mentoring  

Emphases  
Complete one of the following emphases to fulfill the requirements of the major:  

Ethnic Studies Emphasis [16 units]  

Complete 12 units from the following list, chosen in consultation with major advisor:  
CRGS 235 [1] Act to End Sexualized Violence  
ES 305 [3] African American Cultural History  
ES 314 [3] Chicano Culture & Society  
ES 325 [3] From Civil Rights to Black Power  
ES 480 [1-3] Special Topics in Ethnic Studies  
or other advisor approved courses.  

Multicultural Queer Studies Emphasis [16 units]  
CRGS 430 [3-4] “Queer” Across Cultures  
Complete 12 units from the following list, chosen in consultation with major advisor:  
CRGS 235 [1] Act to End Sexualized Violence  
FILM 465 [4] Film Seminar [when offered as Queer Movies]  
PSYC 437 [3] Sexual Diversity  
or other advisor approved courses.

Women’s Studies Emphasis [16 units]

WS 315 [4] Sex, Gender, and Globalization

Complete 12 units from the following list, chosen in consultation with major advisor. At least two courses must have a transnational focus.

CRGS 235 [1] Act to End Sexualized Violence
CRGS 430 [3-4] “Queer” Across Cultures
WS 340 [3-4] Ecofeminism
WS 370 [3-4] Queer Women’s Lives, or
ENGL 360 [4] when offered as Queer Women’s Literature
WS 480 [1-5] Selected Topics in Women’s Studies

or other advisor approved courses.

[T] courses with transnational focus.
DANCE MINOR

Minor in Dance

See also Dance Studies [Interdisciplinary Studies] and Theatre, Film, and Dance.

Dance Minor Advisor
Linda Maxwell
Linda.Maxwell@humboldt.edu

Department of Theatre, Film & Dance
Theatre Arts Building, Room 20
707-826-3566
dance.humboldt.edu

The Program

Minors develop an understanding of dance as an art form and as a unique cultural and social expression. Students develop skills in physical techniques, creative process, collaboration, and performance. Dance minors are encouraged to participate in informal and mainstage dance performances.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 18

The program must be approved by the dance minor advisor. Transfer students must complete 9 units at HSU.

Required Courses (10 units)

DANC 104 (3) Modern/Contemporary II
DANC 288 (1) Music for Dancers
DANC 289 (1) Choreography I
DANC 303 (3) Dance in World Cultures
DANC 389 (2) Choreography II

Elective Courses (8 units)

Complete 8 units (at least 1 unit must be upper division) from the following:

DANC 103 (3) Modern/Contemporary I
DANC 103T (1) Modern/Contemporary I Skills Maintenance
DANC 104T (1) Modern/Contemporary II Skills Maintenance
DANC 110 (2) Ballet I
DANC 110T (1) Ballet I Skills Maintenance
DANC 120 (2) Jazz Dance Styles I
DANC 120T (1) Jazz Styles I Skills Maint.
DANC 240 (1) African Dance
DANC 243 (1) Tap Dance
DANC 245 (1) Middle Eastern Dance
DANC 247 (1) Mexican Folklorico Dance
DANC 310 (2) Ballet II
DANC 310T (1) Ballet II Skills Maintenance
DANC 320 (2) Jazz Dance Styles II
DANC 320T (1) Jazz Styles II Skills Maint.
DANC 330 (2) Modern/Contemporary III
DANC 330T (1) Modern/Contemporary III Skills Maintenance
DANC 350 (3) Dance Science
DANC 352 (3) Bodyworks
DANC 380 (1-3) Special Topics in Dance — Activity Based
DANC 480 (1-4) Special Topics in Dance
DANC 484 (3) Creative Dance for the Classroom
DANC 488 (1-4) Dance Performance Ensemble
DANC 489 (4) Dance Theatre Production
PE 192 (1) Latin Dance
PE 194 (1) Social Dance
PE 196 (1) Swing Dance
Dance Studies [Interdisciplinary Studies]

Bachelor of Arts degree
  with an Interdisciplinary Studies major — with a concentration in Dance Studies

See also Dance Minor.

Department Chair
Ann Alter, MFA
Ann.Alter@humboldt.edu

Academic Advisor
Linda Maxwell, MFA
Linda.Maxwell@humboldt.edu

Department of Theatre, Film & Dance
Theatre Arts Building, Room 20
707-826-3566
dance.humboldt.edu

The Program

Students completing the program will have:
- Evaluated basic knowledge of dance from the historical, social and cultural contexts by using specific dance vocabulary.
- Executed basic dance technique skills.
- Demonstrated a basic knowledge of the body from anatomical and/or somatic perspectives.
- Demonstrated knowledge of compositional craft for choreography.
- Identified necessary components of dance production.

The dance studies curriculum unifies the physical, intellectual, cultural, and artistic aspects of dance into an invigorating course of study, and prepares students for careers in the dance arts and/or for graduate study. Experience and practice in a broad range of technical, performance, and creative skills develop the student’s capacity to form and transform thought into expressive composition and performance. By investigating the relationship of dance to other art forms, various ethnic groups and cultures, and to social trends through historic and contemporary periods, our students grasp the profound importance of dance as a fine art and as an essential component of human existence.

The Dance Studies program requires 50 units of coursework, including a diverse core of 31 units and 9 units of dance electives. An additional 10 units of interdisciplinary electives allow students to develop skills in a range of areas, including technical production, dance education, various art forms and multicultural studies.

Annually, we offer two performances, a fall formal student Choreography Showcase, and a spring faculty/student formal concert. In coordination with CenterArts, we are able to provide affordable tickets and multiple master class opportunities with internationally-renowned dance artists and companies.

The dance studies program participates annually in American College Dance Association conferences.

Students are highly encouraged to participate in the international exchange programs in order to experience dance as a universal and unifying phenomenon.

Dance studies prepares students for careers as dance teachers, choreographers and performers of innovative and/or multicultural works; performance artists; teacher of mind/body integration techniques; special arts events coordinators; designers of lights, sets and costumes; and prepares students for further study at the graduate level.

Additional Dance at HSU

See PE courses.
Various dance clubs, including
- Interdisciplinary Dance Club
- Middle Eastern Dance Club: medance@humboldt.edu
- Mexican Folklorico Club: Ballet Folklorico de Humboldt: ballet.humboldt.edu
- Salsa Dance Club: salsa@humboldt.edu
- Lindy Hop Club: hsudance@humboldt.edu
- Demolition Dance Team: dsquad@humboldt.edu
- Swing Dance Club

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 51
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C- is required for all courses in the major.

Required Courses (31 units)

Majors must be able to place in DANC 310, DANC 320, and DANC 330 to complete degree. Courses taken as prerequisites may count as dance electives. It is highly recommended that majors take a dance technique class every semester. “T” courses offer 1-unit opportunities to maintain technical and artistic performance skills.
Approved Electives —
Interdisciplinary (10 units)

Complete **one** course from Group 1 and the remaining units from either Group 2 or Group 3.

**Group 1: Design and Production for Dance**
- TA 237 (3) Production Techniques
- TA 333 (4) Lighting Design Stage & Screen
- TA 336 (4) Costume Design Stage & Screen

**Group 2: Dance/Art for Self, Society and Culture**
- ES 245 (3) Hip Hop & the Black Experience
- MUS 302 (3) Music in World Culture
- PHIL 301 (3) Reflections on the Arts
- PHIL 309B (3) Perspectives: Humanities/Science/Social Science
- SOC 316 (4) Gender and Society
- TA 104 (4) Story Through Word & Image
- TA 307 (3) Theatre of the Oppressed

**Group 3: Dance Education**
- CD 209 (3) Middle Childhood Development, or
- CD 255 (3) Early Childhood Development
- CD 350 (3) Perspectives: Life-Span Development
- DANC 484 (3) Creative Dance for the Classroom
- KINS 313 (2) Concepts of Teaching Dance
- KINS 317 (2) Concepts of Teaching Fitness
- KINS 475 (3) Elementary School Physical Education
- KINS 484 (3) Motor Development/Motor Learning
- REC 210 (3) Recreation Leadership
- REC 302 (3) Inclusive Recreation
- REC 320 (3) Organization, Administration & Planning
ECONOMICS

Bachelor of Arts degree with a major in Economics — with emphases in Traditional Economics; Individually-Designed Interdisciplinary

Minor in Economics

Department Chair Beth Wilson, Ph.D.

Department of Economics Siemens Hall 206 707-826-3204 economics.humboldt.edu

The Program

HSU has a strong and rigorous economics program. We are a close-knit community with small classes, a hands-on approach, and strong student-faculty relationships. Professors know you by name and work to support and encourage you as you grow and learn.

We offer many opportunities for hands-on learning and internships that are grounded in real-world skill building and help prepare you for the job market. There are openings for paid internships as research, community development, and teaching assistants, including the Humboldt Economic Index internship (a local index of economic activity), the Small Business Development Center (SBDC) summer internship, the Ruprecht Research Assistantship, and several instructional teaching assistantships. Students also work with local economic development non-profit organizations in our service-learning course.

In the liberal arts tradition, HSU economics graduates develop strong analysis, problem-solving, and written and oral communication skills. This skill-set makes our students very marketable when they graduate and economically valuable society.

Given the complexity of these problems, we understand the relevance and importance of an interdisciplinary curriculum. Our economics majors choose from either a traditional economics emphasis or an interdisciplinary emphasis. The interdisciplinary emphasis requires a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history. Students switching majors to economics require a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history.

Given the complexity of these problems, we understand the relevance and importance of an interdisciplinary curriculum. Our economics majors choose from either a traditional economics emphasis or an interdisciplinary emphasis. The interdisciplinary emphasis requires a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history. Students switching majors to economics require a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history.

Preparation

High school students should take college preparatory courses, including English, writing, social science, and economics (if available). Math (including calculus) is recommended.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor's Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 24-26
Elective units: 16
Emphasis units: 12-18
Total units in the major: 52-60
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C must be earned in all courses required for the major.

Core Courses (24-26 units)

The following core courses and 16 units of upper division economics electives are required for all economics majors.

Lower Division

ECON 210 (4) Principles of Economics
Complete one of the following:
MATH 101 (3) College Algebra
MATH 101i (3) College Algebra with Integrated Support (and corequisite MATH 1)
MATH 102 (4) Algebra & Elementary Functions
MATH 109* (4) Calculus I
Complete one of the following:
STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support (and corequisite: STAT 8)
PSYC 241 (4) Intro to Psychological Statistics

*Students with a higher math aptitude and those considering graduate school should take MATH 109.

Upper Division

Complete one of the following courses:
BA 422 (4) Financial Data Analytics & Econometrics
PSYC 488 (4) Regression/Multivariate Topics
STAT 333 (4) Linear Regression Models/ANOVA
Complete all of the following courses:
ECON 310 (4) Intermediate Microtheory & Strategy
ECON 311 (4) Intermediate Macroeconomics
ECON 490 (2) Capstone Experience

Upper Division Economics Electives (16 units)

Complete four upper division economics elective courses numbered ECON 300-499, with the exception of ECON 387 & 482, including the corresponding 1-unit depth of study where offered.

Emphases [12-18 units]

Complete one of the following emphases to fulfill the requirements of the major:

Emphases in Traditional Economics:

• mastery of core microeconomic and macroeconomic concepts, including application and conceptual analysis in evaluating real-world issues and problems

Unit Requirements

Core units: 24-26
Elective units: 16
Emphasis units: 12-18
Total units in the major: 52-60
Total units required for the degree: 120

Emphases in Integrated Support (and corequisite MATH 1)

• the ability to explain the role that economics plays in defining and achieving a sustainable society

Emphases in Interdisciplinary

• mastery of computational analysis, including solving problems using economics tools and methods

• effective written and oral communication through summary and analysis papers, descriptive research papers, and presentations

• the ability to present themselves professionally in the job market

Consider today’s important issues — climate change, sustainable growth and development, international trade and globalization, inequality and world poverty. In each case, economics is essential to understanding the choices that society faces and it is crucial in creating the best possible policy. Economics students learn to make sense of large and complex economic issues and critically evaluate real-world events.

Given the complexity of these problems, we understand the relevance and importance of an interdisciplinary curriculum. Our economics majors choose from either a traditional economics emphasis or an interdisciplinary emphasis. The interdisciplinary emphasis requires a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history. Students switching majors to economics require a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history.

Preparation

High school students should take college preparatory courses, including English, writing, social science, and economics (if available). Math (including calculus) is recommended.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 24-26
Elective units: 16
Emphasis units: 12-18
Total units in the major: 52-60
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C must be earned in all courses required for the major.

Core Courses (24-26 units)

The following core courses and 16 units of upper division economics electives are required for all economics majors.

Lower Division

ECON 210 (4) Principles of Economics
Complete one of the following:
MATH 101 (3) College Algebra
MATH 101i (3) College Algebra with Integrated Support (and corequisite MATH 1)
MATH 102 (4) Algebra & Elementary Functions
MATH 109* (4) Calculus I
Complete one of the following:
STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support (and corequisite: STAT 8)
PSYC 241 (4) Intro to Psychological Statistics

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Upper Division

Complete one of the following courses:
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PSYC 488 (4) Regression/Multivariate Topics
STAT 333 (4) Linear Regression Models/ANOVA
Complete all of the following courses:
ECON 310 (4) Intermediate Microtheory & Strategy
ECON 311 (4) Intermediate Macroeconomics
ECON 490 (2) Capstone Experience

Upper Division Economics Electives (16 units)

Complete four upper division economics elective courses numbered ECON 300-499, with the exception of ECON 387 & 482, including the corresponding 1-unit depth of study where offered.

Emphases [12-18 units]

Complete one of the following emphases to fulfill the requirements of the major:

Emphases in Traditional Economics:

• mastery of core microeconomic and macroeconomic concepts, including application and conceptual analysis in evaluating real-world issues and problems

Unit Requirements

Core units: 24-26
Elective units: 16
Emphasis units: 12-18
Total units in the major: 52-60
Total units required for the degree: 120

Emphases in Integrated Support (and corequisite MATH 1)

• the ability to explain the role that economics plays in defining and achieving a sustainable society

Emphases in Interdisciplinary

• mastery of computational analysis, including solving problems using economics tools and methods

• effective written and oral communication through summary and analysis papers, descriptive research papers, and presentations

• the ability to present themselves professionally in the job market

Consider today’s important issues — climate change, sustainable growth and development, international trade and globalization, inequality and world poverty. In each case, economics is essential to understanding the choices that society faces and it is crucial in creating the best possible policy. Economics students learn to make sense of large and complex economic issues and critically evaluate real-world events.

Given the complexity of these problems, we understand the relevance and importance of an interdisciplinary curriculum. Our economics majors choose from either a traditional economics emphasis or an interdisciplinary emphasis. The interdisciplinary emphasis requires a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history. Students switching majors to economics require a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history.

Preparation

High school students should take college preparatory courses, including English, writing, social science, and economics (if available). Math (including calculus) is recommended.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 24-26
Elective units: 16
Emphasis units: 12-18
Total units in the major: 52-60
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C must be earned in all courses required for the major.

Core Courses (24-26 units)

The following core courses and 16 units of upper division economics electives are required for all economics majors.

Lower Division

ECON 210 (4) Principles of Economics
Complete one of the following:
MATH 101 (3) College Algebra
MATH 101i (3) College Algebra with Integrated Support (and corequisite MATH 1)
MATH 102 (4) Algebra & Elementary Functions
MATH 109* (4) Calculus I
Complete one of the following:
STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support (and corequisite: STAT 8)
PSYC 241 (4) Intro to Psychological Statistics

*Students with a higher math aptitude and those considering graduate school should take MATH 109.

Upper Division

Complete one of the following courses:
BA 422 (4) Financial Data Analytics & Econometrics
PSYC 488 (4) Regression/Multivariate Topics
STAT 333 (4) Linear Regression Models/ANOVA
Complete all of the following courses:
ECON 310 (4) Intermediate Microtheory & Strategy
ECON 311 (4) Intermediate Macroeconomics
ECON 490 (2) Capstone Experience

Upper Division Economics Electives (16 units)

Complete four upper division economics elective courses numbered ECON 300-499, with the exception of ECON 387 & 482, including the corresponding 1-unit depth of study where offered.

Emphases [12-18 units]

Complete one of the following emphases to fulfill the requirements of the major:
Traditional Economics Emphasis (12 units)

Complete an additional 12 units of upper division economic elective courses numbered ECON 300-499, with the exception of ECON 387 & 482, including the corresponding 1-unit depth of study where offered.

Individually-Designed Interdisciplinary Emphasis (18 units)

Complete a minor or 18 units of equivalent coursework, 9 of which must be upper division.

With approval from one’s academic advisor and the department chair, students may develop an individually-designed, interdisciplinary emphasis by embedding a minor from a related field into their economics major. Alternatively, students may self-design a program of complementary coursework with at least 18 units (9 UD). Students must write a brief memo that outlines the purpose of their individually designed interdisciplinary emphasis, including personal learning and career goals.

Suggested minors and areas of study include:

- **Applied Mathematics.** For students who want access to more technically demanding careers requiring extensive knowledge of mathematics. This emphasis will appeal to someone planning to enter a doctorate program in economics.

- **Business.** For students with career goals that demand specialized business training. This emphasis will appeal to someone planning to enter an MBA program.

- **Energy.** For students interested in combining engineering and environmental science with economics. Career paths include engineering consulting firms, state or federal policy agencies, and private energy industry firms.

- **Environmental & Natural Resource Planning.** For students interested in careers as industry representatives, advocates, consultants, and government planners working on environmental and natural resource issues.

- **International Studies.** For students interested in careers in international business, policy, or advocacy.

- **Political Science.** For students interested in careers in law, business, government, and public affairs, advocacy and interest groups, and other nonprofits.

- **History.** For students interested in careers in secondary education, law, diplomacy, and journalism.

**REQUIREMENTS FOR THE MINOR**

**Special Grade Requirement**

A minimum grade of C- must be earned in all courses required for the minor.

**Total units required for the minor:** 16

**Lower Division**


**Upper Division Economics Electives**

Complete 12 units from the following list. *Courses with a corresponding additional depth “D” sections [below]. Students are strongly encouraged to take the additional depth section when offered.*

ECON 305*  [3] International Economics & Globalization
ECON 308*  [3] History of Economic Thought
ECON 309*  [3] Economics of a Sustainable Society
ECON 311  [4] Intermediate Macroeconomics
ECON 323*  [3] Economic History of the US
ECON 423*  [3] Environmental & Natural Resources Economics
ECON 470S  [4] Sustainable Rural Economic Development

**Additional Depth Courses**

*The following courses can only be taken with the corresponding courses above.*

ECON 305D  [1] International Economics & Globalization Depth
ECON 306D  [1] Economics of the Developing World Depth
ECON 308D  [1] History of Economic Thought Depth
ECON 309D  [1] Economics of a Sustainable Society Depth
ECON 323D  [1] Economic History of the US
ECON 423D  [1] Environmental & NR Economics Depth

**Note:** Students seeking a baccalaureate in business administration with a concentration in economics may not also receive a minor in economics.
Education

Master of Arts degree in Education **
Elementary Education:
Preliminary Credential in Multiple Subjects
See also:
Liberal Studies/Elementary Education
Child Development/Elementary Education
Secondary Education:*
Preliminary Credentials in the following Single Subjects (You can find more information on any of the following undergraduate programs, listed under the subject name.): Art Education, English/Language Arts Education, History Education (Social Science), Mathematics Education, Music Education, Physical Education, Science Education [Biological Chemistry, Geoscience, or Physics]. Spanish Education
Special Education:
Preliminary Education Specialist Credential in Mild/Moderate Disabilities
Preliminary Education Specialist Credential in Moderate/Severe Disabilities
Educational Leadership:
Preliminary Administrative Services Credential
School of Education
Harry Griffith Hall 202
707-826-5873
707-826-5868 (fax)
education.humboldt.edu
Education and Credentialing Office
Harry Griffith Hall 202
707-826-3723 (Graduate)
The Programs
Humboldt State University has a long tradition of teacher education dating back to 1914, when it first opened as a Normal School. Over the years, Humboldt has prepared many of the teachers of this region while developing a reputation for innovation and close cooperation with local school districts. One of every seven Humboldt students is involved in some phase of teacher education (including undergraduate preparatory programs).

Programs Leading to Licensure & Credentialing
Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.
The California State University has not determined whether its programs meet other states’ educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet state’s requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

Credential Program Admission Requirements
The following requirements apply to the Elementary Education, Secondary Education and Special Education credential programs.
All applicants must apply to the university through calstate.edu/apply by the deadline.
The following requirements must be completed to be eligible for admission into the credential programs. Documentation is required. Visit the Education & Credentials webpage or contact the School of Education for specific requirements and deadlines.
- Transcripts from all colleges/universities attended
- Three letters of recommendation
- completed 45 hours of early fieldwork
- earned a minimum GPA of 2.67 (overall) or 2.75 (last 60 semester units)
- Basic Skills Requirement
- Current CPR Certification
- Certification of Clearance
- Passed CSET (see individual programs)
- Passed CBEST (see individual programs)
- Tuberculin clearance
- Completed US Constitution Requirement
Additional requirements are listed under each program.

Elementary Education: Preliminary Credential Program

Program Leader
James Woglom
Art A 26A
707-826-5831
jw311@humboldt.edu
Program Coordinator
Sarah Green
Harry Griffith Hall 202B
707-826-5108
skm38@humboldt.edu
The Program
The Elementary Education credential program is a one year course of study that begins in the fall each year. Students can obtain a Multiple Subjects Preliminary Credential by taking a 44-unit professional education program to qualify for teaching positions in grades K-8.
Holders of a preliminary credential are eligible to complete requirements for a professional clear credential within five years through an Induction Program.
Program Admission Requirements
See "Credential Program Admission Requirements", at the beginning of this section. The following are specific to the Elementary Education Program.

- Bachelors degree from a regionally accredited institution of higher learning or enrollment in the Liberal Studies Elementary Education major at HSU.
- CSET in Multiple Subjects

The credential program application and admission guide are available at education.humboldt.edu/content/elementary-education-credential-program and at the Education & Credentialing Office (HGH 202). Orientation sessions that explain the application process are offered each fall, beginning in late September.

PROGRAM REQUIREMENTS (Elementary Education)

Note: Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU Office of the Chancellor. The elementary education coordinator has the most current information on changes and how they affect student programs.

Professional Education

Elementary education preliminary-credential courses and field experiences ensure that all candidates completing the program have been introduced to concepts and strategies for working effectively with English language learners. The program implements the edTPA for the state-mandated teacher performance assessment that candidates must pass to be recommended for a credential.

Preliminary credential courses are sequential, beginning in the fall semester. Candidates observe/participate at their field sites full time on the opening day of school. For the first eight weeks, they have courses three afternoons and evenings per week (Tuesday-Thursday and all day Friday) and participate at their field site a minimum of 16 hours per week. The last seven weeks of the semester, candidates student teach full time and complete a minimum of five days' solo teaching.

The spring semester follows a similar pattern: intersession (first week of January) full-time observation/participation in the second fieldwork placement; seven weeks of coursework (Tuesday-Thursday and all day Friday) with a minimum of 16 hours per week in the placement; and 13 weeks of full-time student teaching, culminating in a two-week (minimum) solo.

One of the fieldwork placements, either fall or spring, will be in primary grades (TK-3); the other placement will be in upper elementary grades (4-8). Candidates enroll in the following courses.

Grade Requirements

Candidates must maintain a 3.00 GPA (B average) in preliminary credential coursework to remain in the program. To be recommended for a credential, candidates must earn a C- or better in all preliminary credential courses. For additional information, please read the Elementary Education Handbook, available online.

Required Courses (44 units)

<table>
<thead>
<tr>
<th>Fall Semester (22 units)</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>EDUC 377 (2) Education of Exceptional Individuals</td>
<td></td>
</tr>
<tr>
<td>EED 708 (1) Teacher Performance Assessment Support</td>
<td></td>
</tr>
<tr>
<td>EED 712 (1) Teaching and Learning in Elementary Education</td>
<td></td>
</tr>
<tr>
<td>EED 720 (1) The School &amp; the Student</td>
<td></td>
</tr>
<tr>
<td>EED 721 (2) Multicultural Foundations</td>
<td></td>
</tr>
<tr>
<td>EED 722 (2) English Language Skills &amp; Reading</td>
<td></td>
</tr>
<tr>
<td>EED 723 (2) Integrating Math/Science in Elementary School</td>
<td></td>
</tr>
<tr>
<td>EED 724 (1) Fine Arts in the Integrated Elementary Curriculum</td>
<td></td>
</tr>
<tr>
<td>EED 728 (1) History/Social Science in the Integrated Elementary Curriculum</td>
<td></td>
</tr>
<tr>
<td>EED 733 (1) Teaching English Language Learners</td>
<td></td>
</tr>
<tr>
<td>EED 750 (8) Student Teaching in Elementary School</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring Semester (22 units)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EED 709 (1) Teacher Performance Assessment Support 2</td>
<td></td>
</tr>
<tr>
<td>EED 720B (1) The School &amp; the Student</td>
<td></td>
</tr>
<tr>
<td>EED 722B (1) English Language Skills &amp; Reading</td>
<td></td>
</tr>
<tr>
<td>EED 723B (2) Integrating Math/Science in Elementary School</td>
<td></td>
</tr>
<tr>
<td>EED 724B (1) Fine Arts in the Integrated Elementary Curriculum</td>
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</tr>
<tr>
<td>EED 726 (1) Professional Development Seminar</td>
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</tr>
<tr>
<td>EED 728B (1) History/Social Science in the Integrated Elementary Curriculum</td>
<td></td>
</tr>
<tr>
<td>EED 733B (1) Teaching English Language Learners</td>
<td></td>
</tr>
<tr>
<td>EED 741 (2) Health &amp; PE Curriculum in Elementary Schools</td>
<td></td>
</tr>
<tr>
<td>EED 758 (11) Student Teaching in Elementary School</td>
<td></td>
</tr>
</tbody>
</table>

Supplementary/Subject Matter Authorizations

Supplementary and specific subject matter authorizations may be added to a credential through coursework. A secondary education credential may be added to an elementary education credential by passing the CSET examination for that subject and taking three semester units of secondary education methodology. The department office has the specific requirements.

Professional Clear Credential

A professional clear credential is the required route to clear an SB 2042 preliminary credential. Locally, Humboldt State University collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.

Secondary Education: Preliminary Credential Program

Program Leader
Heather Ballinger
Harry Griffith Hall 207
707-826-5822 / hb481@humboldt.edu

Coordinator
Sarah Green
Harry Griffith Hall 202B
707-826-5108 / skm38@humboldt.edu

The Program

Humboldt meets subject-matter and professional requirements in preparing students to teach in secondary schools (middle school and senior high). Visit our website at education.humboldt.edu/content/secondary-education for additional information.

Program Admission Requirements

See "Credential Program Admission Requirements", at the beginning of this section. The following are specific to the Secondary Education Program.

- Bachelors degree from a regionally accredited institution of higher learning or, in exceptional cases, as part of an approved BA/BS subject-matter program at HSU.
- CSET discipline specific

The credential program application and admission guide are available at education.humboldt.edu/content/secondary-education and at the Education & Credentialing Office (HGH 202). Orientation sessions that explain the application process are offered each fall, beginning in late September.
PROGRAM REQUIREMENTS
(Special Education)

NOTE: Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU Office of the Chancellor. The coordinator has current information on changes and the ways they affect programs.

Special Grade Requirements

Candidates must maintain a B average (with no grade lower than a C-) to remain in the program.

Professional Education

Obtain a preliminary credential by taking a 38-unit professional education program to qualify for teaching positions including teaching English language learners. Courses required for the single subjects (secondary education) preliminary credential are listed below. These two semesters must be taken in sequence.

First Semester (19.5 units)

SED 708  (5) Teacher Performance Assessment
SED 711  (1) Nonviolent Crisis Intervention
SED 712  (2) Teaching & Learning in Secondary Schools
SED 713  (1) Classroom Management
SED 714  (2) Educational Psychology
SED 715  (2) Multicultural Education
SED 717  (1) Service Learning in a Multicultural Setting
SED 730  (3) ELD Bilingual Theory & Methods
SED 743  (3) Content Area Literacy
SED 762  (2) Supervised Fieldwork in Student Teaching

Complete one of the following courses:

SED 731  (2) Secondary Curriculum Instruction: Art
SED 733  (2) Secondary Curriculum Instruction: English/Language Arts
SED 734  (2) Secondary Curriculum Instruction: Modern Language
SED 736  (2) Secondary Curriculum Instruction: Industrial Technology
SED 737  (2) Secondary Curriculum Instruction: Math
SED 738  (2) Secondary Curriculum Instruction: Music
SED 739  (2) Secondary Curriculum Instruction: Physical Education

SED 740  (2) Secondary Curriculum Instruction: Science
SED 741  (2) Secondary Curriculum Instruction: Social Studies

During the fall semester candidates will be evaluated by their mentor teacher, supervisor, and both discipline-specific and education faculty in terms of their academic abilities and suitability for entering the teaching profession.

Second Semester (18.5 units)

SED 709  (1.5) Teacher Performance Assessment Support

Complete one secondary seminar:

SED 744  (1) Secondary Seminar: Art
SED 746  (1) Secondary Seminar: English
SED 747  (1) Secondary Seminar: Modern Language
SED 749  (1) Secondary Seminar: Industrial Technology
SED 750  (1) Secondary Seminar: Math
SED 751  (1) Secondary Seminar: Music
SED 752  (1) Secondary Seminar: Physical Education
SED 753  (1) Secondary Seminar: Science
SED 754  (1) Secondary Seminar: Social Studies

Complete the following courses:

SED 755  (2) Teaching in Inclusive Classrooms
SED 756  (2) Student Teaching

During the spring semester, candidates spend the entire day in the local school, as any other teacher would. Many candidates find it difficult to hold part-time jobs or take substantial additional coursework during full-time student teaching.

Supplementary/Subject Matter Authorizations

Students may add additional subjects to their credential through coursework (as supplementary/subject matter authorizations) or by passing CSET examinations and taking methods courses in additional subject areas. The department office has the specific requirements.

Professional Clear Credential

An induction program is the preferred route to clear an SB 2042 preliminary credential. Locally, Humboldt State University collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.

Special Education: Preliminary Credential Program

Program Leader
David Ellerd, Ph.D.
Harry Griffith Hall 205
707-826-5851
dae11@humboldt.edu

Program Coordinator
Bernie Levy
Harry Griffith Hall 202
707-826-5868
bj31@humboldt.edu

The Program

Humboldt meets subject-matter and professional requirements in preparing students to teach in special education classrooms in elementary and secondary (junior and senior high) schools.

Please refer to humboldt.edu for new special education programs and updates.

Program Admission Requirements

Applications are accepted throughout the year for admission the following fall. Apply early as space is limited.

See “Credential Program Admission Requirements”, at the beginning of this section. The following are specific to the Special Education Program.

- A bachelors degree from a regionally accredited institution of higher learning or in exceptional cases, as part of an approved BA/BS subject-matter program at HSU.
- CSET multiple subjects or discipline specific
- A personal interview

PROGRAM REQUIREMENTS
(Special Education)

Obtain a preliminary credential by taking a 50-unit professional education program to qualify for teaching positions.

Holders of a preliminary credential must complete requirements for a clear credential within five years.

Credential Options

A California Education Specialist Credential permits teaching grades K-12, including adults. This credential authorizes teaching individuals with specific learning disabilities, intellectual disabilities, other health impairments, and serious emotional disturbances.

Upon completing all required tests, all assessments and observations, the US Constitution requirement, an accredited bachelor’s degree, and the special education course sequence, candidates apply for
a Preliminary Education Specialist Credential in Mild/Moderate Support Needs. This preliminary credential authorizes teaching for five years, during which time candidates must acquire a Clear Education Specialist Credential in Mild/Moderate Support Needs.

Grade Requirement
Maintain a minimum GPA of 3.00 (with no grade lower than a C-) to remain in the program.

Preliminary Credential
Students must complete 50 units of approved courses in Special Education, including EDUC 377/SPED 777, Education of Exceptional Individuals. The Special Education Program Leader must approve the program of study. Contact the department office for details.

Foundation Courses (13 units)
EDUC 377/SPED 777 (2) Education of Exceptional Individuals
SPED 702 (3) Foundations of General & Special Education
SPED 703 (3) Foundations of Assessment & Program Planning
SPED 705 (2) Multicultural Special Education
SPED 706 (3) Applied Behavior Analysis for Teachers

Methods Courses (37 units)
SPED 707 (3) Curriculum & Instruction: Reading & Language Arts
SPED 708 (1) Practicum: Reading Instruction
SPED 709 (2) Curriculum & Instruction: Math
SPED 710 (1) Practicum: Math Instruction
SPED 711 (2) Curriculum & Instruction: Science, History & Social Science
SPED 721 (3) Transition Planning
SPED 722 (2) Autism Intervention Strategies
SPED 731 (1) Classroom Management
SPED 733 (2) Special Education Policies & Procedures
SPED 736 (1) Curricular & Instructional Skills Seminar
SPED 737 (1) Non-violent Crisis Intervention
SPED 738 (9) Fall Special Education Student Teaching
SPED 739 (9) Spring Special Education Student Teaching

Educational Leadership:
Preliminary Administrative Services Credential Program

Program Leader/Coordinator
Kenny Richards, Ed.D.
Harry Griffith Hall 220
707-826-5886 / kwr3@humboldt.edu

The Program
Humboldt State’s Educational Leadership Program (EDL) is designed for teacher leaders interested in improving education locally as well as globally. The EDL Program will enhance educators’ skills and knowledge base while preparing them to lead the way towards school improvement and increased student performance. This cohort model is designed to accommodate the schedules of busy educators through a blend of classroom, online, and video-conferencing instruction. Candidates who wish to earn their California Administrative Services Preliminary Credential will also complete elementary or secondary fieldwork as required by California Commission on Teacher Credentialing (CCTC). Instruction is delivered by local educational leaders, veteran school administrators, and guest presenters who represent the best within their field.

Program Admission Requirements
Those seeking admission to the program must submit the following documents to the program leader/coordinator:
• a completed application for admission to the program;
• a copy of a valid teaching or pupil personnel services credential;
• participate in an admission interview with the program leader of the Educational Leadership Preliminary Administrative Credential Program;
• two letters of recommendation for admission into the Educational Leadership Program: one from the student’s current supervisor and one from another administrator;
• documentation of having completed four years upon entry — and (for candidates seeking a California Preliminary Administrative Services Credential), by completion of credential requirements, five years — of successful, full-time teaching or pupil personnel experience in public or private schools; and
• transcripts verifying a university grade-point average of 2.75 on the last 60 semester units.

PROGRAM REQUIREMENTS
(Preliminary Leadership)

Preliminary Credential
Grade Requirement
Maintain a minimum GPA of 3.00 (with no grade lower than a C-) in the following required courses:
EDL 642 (3) Curriculum: Development & Governance
EDL 645 (3) Personnel Administration & Supervision
EDL 646 (3) The Principal: Leader & Administrator
EDL 647 (2) Practicum: Diversity Issues & School Administration
EDL 648 (3) Legal & Fiscal Aspects of School Administration
EDL 649 (1) Ethics & School Administration
EDL 660 (2) Technology & School Management
• pass a final oral exam on the program’s total skills and knowledge.

Candidates seeking to obtain a Preliminary Administrative Credential must:
• document that a district is willing to support the candidate’s fieldwork by completing a fieldwork plan sheet with approval signatures from district and university supervisors;
• successfully complete the California Basic Education Skills Test;
• successfully complete the following additional fieldwork courses and seminar:

EDL 694 (3) Elementary School Administration Fieldwork (taken in fall & spring for a total of 6 units) OR
EDL 695 (3) Secondary School Administration Fieldwork (taken in fall & spring for a total of 6 units)
EDL 696 (1) Fieldwork & Final Evaluation Seminar
The master’s in education is designed for educational professionals interested in deepening their understanding of important issues and developing more effective strategies to meet the needs of students of all ages. The program offers extensive support from colleagues and faculty, a collaborative environment, and a curriculum delivered online (in the evenings) for working professionals. The program is designed to allow students to tailor their work towards developing expertise on a broad array of topics, from improving communication through infant massage to models of teacher leadership in managing complex schools.

Program Admission Requirements

To be admitted candidates must: (1) hold an acceptable baccalaureate degree from a regionally accredited institution (or equivalent academic preparation); (2) be in good academic standing at the last university attended; and (3) have a GPA of at least 3.00 in the last 60 semester units (90 quarter units) attempted.

If the bachelor’s degree is from a postsecondary institution where English is not the principal language of instruction, score at least 550 on the Test of English as a Foreign Language (TOEFL).

Requirements for the Degree

Master of Arts in Education

There are two pathways that result in a MA in Education including a:

- Masters of Education
- Educational Leadership Credential/MA

Unit Requirements

Total units required for the degree: 32

Students accepted into the traditional master’s degree in education program must complete all of the following:

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 610</td>
<td>3</td>
<td>Education in Society</td>
</tr>
<tr>
<td>EDUC 620</td>
<td>3</td>
<td>Pedagogy: Practice &amp; Research</td>
</tr>
<tr>
<td>EDUC 630</td>
<td>2</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>EDUC 640</td>
<td>3</td>
<td>Assessment</td>
</tr>
<tr>
<td>EDUC 645</td>
<td>2</td>
<td>Academic Writing in Education</td>
</tr>
<tr>
<td>EDUC 655</td>
<td>3</td>
<td>Educational Research</td>
</tr>
<tr>
<td>EDUC 682</td>
<td>4</td>
<td>Mixed Methods in Educational Research</td>
</tr>
</tbody>
</table>

Electives

Complete 9 units of elective courses selected in consultation with your advisor.

Culminating Experience

Complete 3 units of thesis or project preparation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 690</td>
<td>1-3</td>
<td>Thesis</td>
</tr>
<tr>
<td>EDUC 692</td>
<td>1-3</td>
<td>Master’s Project</td>
</tr>
</tbody>
</table>

Educational Leadership Emphasis

Educators enrolled in the Educational Leadership Program (for Preliminary Administrative Services Credential) may apply to earn both a Credential and an MA.

To enter the combined EDL/MA program, students must have completed four years of successful full-time teaching.

Unit Requirements

Total units required for the degree/credential: 38-39

For students earning a combined master’s degree in education and an Administrative Services Credential, Students may begin by applying for the EDL credential and then decide during their first semester whether or not to complete the combined EDL/MA program. To add the MA, students must be admitted to the master’s program by the spring semester of their EDL year.

The following courses must be completed in addition to all credential coursework (see Educational Leadership Program).

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<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDUC 645</td>
<td>2</td>
<td>Academic Writing in Education</td>
</tr>
<tr>
<td>EDUC 655</td>
<td>3</td>
<td>Educational Research</td>
</tr>
<tr>
<td>EDUC 682</td>
<td>4</td>
<td>Mixed Methods in Educational Research</td>
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</table>

Complete 3 units of thesis or project preparation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>EDUC 690</td>
<td>1-3</td>
<td>Thesis</td>
</tr>
<tr>
<td>EDUC 692</td>
<td>1-3</td>
<td>Master’s Project</td>
</tr>
</tbody>
</table>

Special Education Emphasis

Those enrolled in the Mild to Moderate Special Education credential may also earn an MA. Students must have completed the Preliminary credential program plus two years as a special education teacher in a US public school.

For students earning a combined master’s degree in education and Special Education Clear Credential, the following courses must be completed in addition to all credential coursework (see Special Education Credential).

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 799</td>
<td>1-3</td>
<td>Directed Study (Topic: Single-Subject Research Methods)</td>
</tr>
<tr>
<td>EDUC 645</td>
<td>2</td>
<td>Academic Writing in Education</td>
</tr>
<tr>
<td>EDUC 655</td>
<td>3</td>
<td>Educational Research</td>
</tr>
<tr>
<td>EDUC 682</td>
<td>4</td>
<td>Mixed Methods in Educational Research</td>
</tr>
</tbody>
</table>

And one of the following selected in consultation with your advisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 610</td>
<td>3</td>
<td>Education in Society</td>
</tr>
<tr>
<td>EDUC 620</td>
<td>3</td>
<td>Pedagogy: Practice &amp; Research</td>
</tr>
</tbody>
</table>

Plus 3 units of thesis or project preparation (EDUC 690 or EDUC 692).

** The Education MA program is not accepting applications for the 2021-22 academic year.
Bachelor of Arts degree with a major in English —
with concentrations in:
- Literary Studies
- Teaching the Language Arts (English Education)
- Writing Practices

Minor in English Literature
Minor in English Writing
Minor in African American Literatures
Minor in Teaching English as a Second/Foreign Language

Master of Arts degree in English —
Applied English Studies

Department Chair
Laura K. Hahn, Ph.D.

Department of English
Founders Hall 201
707-826-3758
english.humboldt.edu

Please see the department website for updates on changes and additions to our programs.

The Program

Students completing this program will have demonstrated:
- the ability to read and explicate written English precisely
- analysis of literature from several critical perspectives
- meaningful use of literary, linguistic, theoretical, and rhetorical terminology
- an awareness of structures of power in language, literature, and culture
- stimulating and effective writing in a variety of genres according to the accepted conventions of English studies
- knowledge of literary movements and writers from a range of historical periods and cultural frameworks
- the ability to understand and perform rhetorical strategies to inform, persuade, and argue.

The English major at HSU encompasses perspectives derived from literary theory, contextual knowledge about literature, the analysis of language, the close reading of texts, and written expression. Students take a balance of lecture and small-group instruction. This program is excellent preparation for a wide range of careers, all requiring reasoning ability and skill in the use of language. Students in English do well in many occupations, including magazine or book editor, teacher, critic, library assistant, and writer in many areas such as technology, business, government, non-profit organizations, and other organizations for social change.

Preparation

High school students should take four years of English, including composition and literature. Study of a language other than English is recommended.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-62.

Unit Requirements

Total units in the major/concentration: 49-62
Total units required to graduate: 120

The English major with concentrations in Literary Studies or Writing Practices consist of 16 units of required courses; 16 units in concentration electives; two classes (7-8 units) from the other two concentrations; a capstone course; and one year of college-level study of a language other than English. The English major with a concentration in Teaching the Language Arts (English education) consists of 50 units of required courses and a choice of one of three emphases.

Concentrations

Select one concentration and complete all requirements.

Literary Studies Concentration (49-50 units)

Required Courses (16 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 120</td>
<td>4</td>
<td>Intro to the English Major</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>4</td>
<td>Literature, Identity &amp; Representation</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>4</td>
<td>Intro to Language Analysis</td>
</tr>
<tr>
<td>ENGL 320</td>
<td>4</td>
<td>Practical Criticism</td>
</tr>
</tbody>
</table>

Literary Studies Electives (16 units)

Complete at least 16 units, 12 of which must be at upper division level, selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 230 or ENGL 231</td>
<td>4</td>
<td>Survey of British Literature</td>
</tr>
<tr>
<td>ENGL 240</td>
<td>4</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENGL 325</td>
<td>4</td>
<td>History of the English Language</td>
</tr>
</tbody>
</table>

Language Arts Elective (3-4 units)

Complete one course selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 328</td>
<td>4</td>
<td>Structure of American English</td>
</tr>
<tr>
<td>ENGL 336</td>
<td>4</td>
<td>American Ethnic Literature</td>
</tr>
<tr>
<td>ENGL 344</td>
<td>3</td>
<td>Young Adult Literature</td>
</tr>
<tr>
<td>ENGL 406</td>
<td>4</td>
<td>Contemporary Composition: Traditional Studies &amp; Digital Practice</td>
</tr>
<tr>
<td>ENGL 417</td>
<td>3</td>
<td>Second Language Acquisition</td>
</tr>
<tr>
<td>ENGL 426</td>
<td>3</td>
<td>Communication in Writing II</td>
</tr>
<tr>
<td>ENGL 435</td>
<td>4</td>
<td>Intro to English as a Second/Foreign Language</td>
</tr>
</tbody>
</table>

ENGL 330 | 4     | American Literature (variable topics)           |
| ENGL 342 | 4     | Special Topics in Shakespeare                   |
| ENGL 350 | 4     | Topics in British & Postcolonial Literatures    |
| ENGL 360 | 4     | Topics in Literature/Language                   |
| ENGL 370 | 4     | Topics in the Literature of Power and Place     |
| ENGL 420 | 4     | Advanced Topics in Critical Theory              |
| ENGL 465B/ENGL 465C | 4     | Multicultural Issues in Language & Literature |
| ENGL 480 | 1-4   | Special Topics (must be a literary topic)       |

Writing Practices Elective (4 units)

Complete at least 4 units selected from the following courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 211</td>
<td>4</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>ENGL 311</td>
<td>4</td>
<td>Environmental Writing</td>
</tr>
<tr>
<td>ENGL 314</td>
<td>4</td>
<td>Creative Writing: Nonfiction</td>
</tr>
<tr>
<td>ENGL 315</td>
<td>4</td>
<td>Creative Writing: Fiction</td>
</tr>
<tr>
<td>ENGL 316</td>
<td>4</td>
<td>Creative Writing: Poetry</td>
</tr>
<tr>
<td>ENGL 318</td>
<td>4</td>
<td>Rhetoric for Writers</td>
</tr>
<tr>
<td>ENGL 319</td>
<td>4</td>
<td>Digital Rhetorics &amp; Writing</td>
</tr>
<tr>
<td>ENGL 422</td>
<td>4</td>
<td>Advanced Research Writing</td>
</tr>
<tr>
<td>ENGL 450</td>
<td>2</td>
<td>Tutoring Developing Writers</td>
</tr>
<tr>
<td>ENGL 460</td>
<td>4</td>
<td>Literary Editing &amp; Publishing Toyon Literary Magazine</td>
</tr>
<tr>
<td>ENGL 461</td>
<td>4</td>
<td>Professional Concerns in Writing &amp; Editing</td>
</tr>
<tr>
<td>ENGL 480</td>
<td>1-4</td>
<td>Special Topics (must be a writing topic)</td>
</tr>
</tbody>
</table>

ENGL 370 | 4     | Topics in Literature/Language                   |
| ENGL 350 | 4     | Topics in British & Postcolonial Literatures    |
| ENGL 340 | 4     | World Literature                                |
| ENGL 325 | 4     | History of the English Language                 |
Literary Studies Electives (4 units)
ENGL 435 (4) Intro to English as a Second/Foreign Language

Emphases (8-12 units)
Complete one of the following three emphases to fulfill the requirements of the concentration in Teaching the Language Arts.

Literature/Language (8 units)
Complete B units selected from the following:
ENGL 325 (4) History of English Language
ENGL 330 (4) American Literature
ENGL 350 (4) Topics in British & Postcolonial Literatures
ENGL 360 (4) Topics in Literature/Language
ENGL 370 (4) Topics in the Literature of Power and Place
ENGL 420 (4) Advanced Topics in Critical Theory
ENGL 465B/ENGL 465C (4) Multicultural Issues in Language & Literature

Writing Practices (8 units)
Complete B units selected from the following:
ENGL 211 (4) Introduction to Creative Writing
ENGL 311 (4) Environmental Writing
ENGL 314 (4) Creative Writing: Nonfiction
ENGL 315 (4) Creative Writing: Fiction
ENGL 316 (4) Creative Writing: Poetry
ENGL 318 (4) Rhetoric for Writers
ENGL 319 (4) Digital Rhetorics & Writing
ENGL 422 (4) Advanced Research Writing
ENGL 450 (2) Tutoring Developing Writers
ENGL 460 (4) Literary Editing & Publishing Toyon Literary Magazine
ENGL 461 (4) Professional Concerns in Writing & Editing
ENGL 480 (1-4) Special Topics (must be a writing topic)

Language Arts Elective (3-4 units)
Complete one course.
ENGL 328 (4) Structure of American English
ENGL 336 (4) American Ethnic Literature
ENGL 344 (3) Young Adult Literature
ENGL 406 (4) Contemporary Composition: Traditional Studies & Digital Practice
ENGL 417 (3) Second Language Acquisition
ENGL 426 (3) Communication in Writing II
ENGL 435 (4) Intro to English as a Second/Foreign Language
ENGL 436 (3) Integrating Language & Content in English Instruction

Language Arts Elective (3 units)
ENGL 480 (1-4) Special Topics (must be a literary topic)

Language (0-8 units)
One year of a language other than English taken at the college level (4 units may count as GE Area C)

Capstone
ENGL 490 (2) Senior Portfolio Seminar

Teaching the Language Arts Concentration (English Education) (58-62 units)

Lower Division Courses (20 units)
ENGL 120 (4) Introduction to the English Major, or
ENGL 220 (4) Literature, Identity & Representation
ENGL 225 (4) Intro to Language Analysis
ENGL 230 or ENGL 231 (4) Survey of British Literature
ENGL 232 (4) Survey of American Literature
ENGL 240 (4) World Literature

Upper Division Courses (30 units)
ENGL 320 (4) Practical Criticism
ENGL 328 (4) Structure of American English
ENGL 336 (4) American Ethnic Literature
ENGL 342 (4) Special Topics in Shakespeare
ENGL 344 (3) Young Adult Literature
ENGL 406 (4) Contemporary Composition: Traditional Studies & Digital Practice
ENGL 426 (3) Communication in Writing II

Language Acquisition & Development (6-12 units)
Complete the following courses:
ENGL 417 (3) Second Language Acquisition
ENGL 436 (3) Integrating Language & Content in English Instruction

Complete a minimum of 6 semester units of a language other than English at a university or intensive language program, or prove second language proficiency.
REQUIREMENTS FOR THE MINORS

Minor in English Literature

Advisor
Janet Winston, Ph.D.
Founders Hall 213
707-826-3913

Total units required for the minor: 15

Complete a minimum of 15 units, 11 of which must be upper division. See the literature minor advisor for course approval and advice in planning a minor appropriate to your needs and interests.

Lower Division Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 120</td>
<td>Intro to the English Major</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>Literature, Identity &amp; Representation</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 230</td>
<td>Survey of British Literature: Beginnings through the 18th Century</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 231</td>
<td>Survey of British Literature: 19th and 20th Centuries</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 232</td>
<td>Survey of American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 240</td>
<td>World Literature</td>
<td>4</td>
</tr>
</tbody>
</table>

Upper Division Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 305</td>
<td>Postcolonial Perspectives: Literature of the Developing World</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 306</td>
<td>Contemporary Texts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 308B-C</td>
<td>Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 320</td>
<td>Practical Criticism (Prerequisite: ENGL 120 or ENGL 220)</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 330i</td>
<td>American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 336</td>
<td>American Ethnic Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 342i</td>
<td>Special Topics in Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 350</td>
<td>Topics in British &amp; Postcolonial Literatures</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 360</td>
<td>Special Topics in Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 370</td>
<td>Topics in the Literature of Power and Place</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 420i</td>
<td>Advanced Topics in Critical Theory</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 465B-C</td>
<td>Multicultural Issues in Literature/Languages</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 480(1-4)</td>
<td>Special Topics (must be in a literature topic)</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Minor in English Writing

Advisor
Janelle Adsit, Ph.D.
Founders Hall 228
707-826-5936

Total units required for the minor: 15

Complete a minimum of 15 units, 11 of which must be upper division, chosen from the list below. See the Writing Minor Advisor for course approval and advice in planning a minor appropriate to your needs and interests.

ENGL 211 | Introduction to Creative Writing | 4 |
ENGL 311 | Environmental Writing | 4 |
ENGL 314 | Creative Writing: Nonfiction | 4 |
ENGL 315 | Creative Writing: Fiction | 4 |
ENGL 316 | Creative Writing: Poetry | 4 |
ENGL 318 | Rhetoric for Writers | 4 |
ENGL 319 | Digital Rhetorics & Writing | 4 |
ENGL 422 | Advanced Research Writing | 4 |
ENGL 450 | Tutoring Developing Writers | 2 |
ENGL 460 | Literary Editing & Publishing (Toyon) | 4 |
ENGL 461 | Professional Concerns in Writing & Editing | 4 |
ENGL 480(1-4) | Special Topics (must be a writing topic) | 1-4 |

With minor advisor’s approval, students may substitute one of the following courses, for any one of the upper division courses listed above.

JMC 324 | Magazine Writing, or | 3 |
FILM 350 | Writing for Film | 3 |

Minor in Ethnic American Literatures

Advisor
Christina Accomando, Ph.D.
Founders Hall 219
707-826-3479

The Program

Drawing on classes from ethnic studies, Native American studies, and English, this interdisciplinary minor provides the opportunity to study the diverse literatures of multi-ethnic American writers.

Students gain an understanding of the comparative histories and cultures of ethnic groups in the US through ES 105, required of all minors. Minors take another 12 units in ethnic American literature and culture, including ENGL/ES 336, American Ethnic Literature. Courses might concentrate on the literary traditions of a particular group (Native American, African American, Asian American, or Chicano literatures) or examine multi-ethnic US literatures in a comparative way. Various special topics courses also may apply, depending on the topic and subject to advisor approval.

This minor can be particularly useful for those planning careers in teaching, social work, business, law, journalism, and community development.

Total units required for the minor: 15

Required Courses (7 units)

ES 105 | Introduction to US Ethnic Studies | 3 |
ES 336 | American Ethnic Literature | 4 |

Approved Elective Courses (8 units)

Complete 8 units in ethnic American literature and culture. Options include:

ENGL 330 | American Literature [depending on topic; consult advisor] | 4 |
ENGL 465 | Multicultural Issues in Literature [depending on topic; consult advisor] | 4 |
ES 314 | Chicano Culture & Society in America | 3 |
ES 336 | American Ethnic Literature [topics vary; may be repeated] | 4 |

Consult with the advisor for approval of special topics courses not on this list.

Minor in Linguistics

Advisor
Nikola Hobbel, Ph.D.
Founders Hall, Room 172
707-826-3161

The Program

Faculty are drawn from several departments for an interdisciplinary, integrated program of study. Participants analyze language in all its aspects.

Linguistics students find they have a background for careers requiring both written and spoken communication skills. Potential careers: linguist, translator, interpreter, advertising specialist, writer, intelligence specialist, speech/language pathologist, speech writer, materials developer, editor, and ESL teacher. This minor also provides

1 Requires ENGL 320 Practical Criticism as a prerequisite. Instructors have some discretion to waive this requirement.
a background for students wanting to do graduate work in linguistics, modern languages, or a social science.

**Total units required for the minor:** 19

**Required Courses**

- **ENGL 225** (4) Introduction to Language Analysis, or
- **ENGL 326** (4) Language Study for Teachers

**Complete one year of a language other than English in sequence at the university level (6-10 units).**

**Philosophical & Anthropological Approaches**

**Complete one course.**
- **ANTH 340** (4) Language & Culture
- **PHIL 100** (3) Logic
- **PHIL 485** (3) Seminar in Philosophy [topic: Philosophy of Language]

**Language Development**

**Complete one course.**
- **COMM 422** (4) Children’s Communication Development
- **ENGL 417** (3) Second Language Acquisition
- **ENGL 328** (4) Structure of American English
- **ENGL 325** (4) History of the English Language

**Language Study**

**Complete one course.**
- **FREN 311** (4) French V & Stories from the Francophone World
- **GERM 311** (4) German Level V
- **SPAN 311** (4) Spanish Level V

**Culminating Phase**

- **LING 495** (3) Practicum in Language Studies

**Minor in Teaching English as a Second/Foreign Language**

**Advisor**

Nikola Hobbel, Ph.D.
Founders Hall 172
707-826-3161

**The Program**

This coursework develops and refines skills necessary in teaching English as a second/foreign language (in the US, foreign schools, and language institutes).

**Preparation**

Take high school or community college courses in English, languages other than English, and ethnic studies.

**Total units required for the minor:** 20

**Course Requirements**

Complete 6 semester units of a language other than English taken at the university level or at an intensive language program.

**Complete one of the following:**
- **ENGL 225** (4) Introduction to Language Analysis
- **ENGL 326** (4) Language Studies for Teachers
- **ENGL 328** (4) Structure of American English

**Complete all of the following:**
- **ENGL 417** (3) Second Language Acquisition
- **ENGL 435** (4) Intro to English as a Second/Foreign Language
- **ENGL 436** (3) Integrating Language & Content in English Instruction

*ENGL 435 is a prerequisite for ENGL 436. ENGL 225, 326 or 328 or the equivalent is a prerequisite for ENGL 417.

**MASTERS OF ARTS IN APPLIED ENGLISH STUDIES**

**Graduate Coordinator**

Janet Winston, Ph.D.
Founders Hall 213
707-826-3913
Janet.Winston@humboldt.edu

**The MA Program**

The MA in English offers a broad curriculum meant to prepare students for a range of pursuits. The program fosters the development of critical reading, writing, teaching, research and other scholarly skills through focused study of literary and cultural texts, pedagogical theory, curriculum development, composition and rhetoric, digital humanities, linguistics, and ESL/EFL. Students gain an advanced understanding of current disciplinary knowledge, including how texts circulate among audiences and how language shapes the world. We offer a variety of opportunities for hands-on learning in the form of teaching assistantships, tutoring positions, and internships in teaching, editing, library curating and archiving, digital humanities, tutoring, and ESL/EFL. With an emphasis on professional development, the program expands opportunities for K-12 teachers and prepares students for Ph.D. programs and jobs in college teaching as well as careers in publishing, editing, professional writing, librarianship, digital scholarship, and teaching English abroad. Students have considerable latitude in designing master’s projects that match their interests and the expertise of graduate faculty.

Students completing this program will demonstrate:

- the ability to produce professional-quality, research-based analytical writing in various genres and/or media
- the use of a variety of interpretive strategies for analyzing multiple kinds of texts, including digital and new media production
- engagement with theory and an ability to locate a text in its cultural and historical contexts
- skill in applying key theories and practices in the teaching of reading and writing for diverse audiences, including multilingual speakers
- understanding of cultural competency and social justice lenses
- the ability to define an area of inquiry and its relation to the field at large in a project or thesis

**Program Admission Requirements**

In addition to the general CSU requirements for graduate admissions, candidates for the English MA program need to include the following documents with their application:

- three letters of recommendation
- academic writing sample

For complete information on current admission requirements, please consult the English department’s website at english.humboldt.edu.

**REQUIREMENTS FOR THE DEGREE (Master of Arts)**

For a description of degree requirements to be fulfilled in addition to those listed below see, “The Master’s Degree” section of the catalog, pp. 83-84.

**Unit Requirement**

Total units required for the major: 34

Complete 34 units of graduate work (500-600 level) in language, composition, ESL pedagogy, theory, literature, and digital humanities courses approved by the department.

Reading knowledge of one language other than English or two college semesters of the same language.

**Grade Requirement**

GPA of 3.00 in all coursework applied to the degree (no individual grade less than B- will apply to the degree).

**Required Courses**

- **ENGL 536** (4) Problems in Form, Genre, Media
ENGL 546 (4) Reading Historically
ENGL 600 (4) Graduate Studies Introduction
ENGL 605 (4) Cultural Studies Introduction
ENGL 611 (4) Reading & Writing Pedagogy
ENGL 612 (4) Theory of Rhetoric & Composition
ENGL 614 (4) Teaching ESL Reading & Writing
ENGL 615 (4) Digital Humanities
ENGL 616 (4) Power and Place
ENGL 617 (4) Topics in the Literature of Power and Place
ENGL 620 (4) Seminar in Critical Theory
ENGL 626 (4) Pedagogy
ENGL 635 (4) Introduction to English as a Second Language
ENGL 681 (2) Internship in Teaching of Literature
ENGL 682 (2) Internship in Teaching of Writing
ENGL 684 (2) Internship in Teaching of ESL

Graduate Elective Courses

ENGL 560 (4) Special Topics in Literature
ENGL 563 (4) Topics in the Literature of Power and Place
ENGL 580 (1-3) Special Topics Seminar
ENGL 581 (3) Practicum in Teaching Writing
ENGL 582 (3) Teaching ESL Reading & Writing
ENGL 605 (4) Cultural Studies Introduction
ENGL 611 (4) Reading & Writing Pedagogy
ENGL 612 (4) Theory of Rhetoric & Composition
ENGL 614 (4) Teaching ESL Reading & Writing
ENGL 615 (4) Digital Humanities
ENGL 616 (4) Power and Place
ENGL 617 (4) Topics in the Literature of Power and Place
ENGL 620 (4) Seminar in Critical Theory
ENGL 626 (4) Pedagogy
ENGL 635 (4) Introduction to English as a Second Language
ENGL 681 (2) Internship in Teaching of Literature
ENGL 682 (2) Internship in Teaching of Writing
ENGL 684 (2) Internship in Teaching of ESL

Employment, Internships & Funding

Graduate Teaching Associates. Select MA students have the opportunity to work as Graduate Teaching Associates in the English department under the leadership of the Writing Program Director. Graduate Teaching Associates teach first-year writing: ENGL 104 Accelerated Composition and Rhetoric. If selected as a Graduate Teaching Associate, you will be required to attend a 2.5-day pre-semester teaching workshop during the week prior to fall semester and enroll in ENGL 581 for 3 units during your first semester teaching. Contingent on the availability of funds and student eligibility (as determined by financial aid awards), select Graduate Teaching Associates may receive a tuition waiver during one or more semester(s) they are teaching. For more information, please contact Professor Lisa Tremain, Writing Program Director, at ldt142@humboldt.edu.

Writing Consultants in the English Department. Graduate students are encouraged to work as writing consultants in our Writing in the Disciplines Seminar (AHSS 200). Qualified applicants may become paid Writing Fellows. Successfully completing one semester of ENGL 450 Tutoring Developing Writers is a prerequisite for all paid fellow positions. For more information about becoming a Writing Fellow, please contact Prof. Lisa Tremain, Writing Program Director; at ldt142@humboldt.edu.

Writing Studio Consultants in the Learning Center. Writing Studio consultants help other students organize and revise their writing assignments for courses in any subject area. Consultants work with students to identify areas in their writing that would benefit from revision, and assist the students’ efforts to strengthen their overall papers, rather than proofreading or making changes for students. Regular paid meetings are mandatory. Applicants must have completed ENGL 450 Tutoring Developing Writers or equivalent prior to being hired. Positions typically open before the start of each semester. For more information, please contact Jessica Citti at 707-826-5188 or jessica.citti@humboldt.edu.

Teaching Internships. Graduate students may intern in literature, composition, business and professional writing, or English as a second language classes, where they work closely with faculty teaching the courses. Interns are exposed to a wide range of teaching activities and experiences, and receive mentoring from the faculty of record. Certain coursework may be necessary before enrolling in an internship. Consult the catalog and the graduate coordinator before enrolling in a graduate internship. While faculty members typically invite students for these internships, students are also encouraged to seek out faculty and initiate a conversation about the possibility of working as their teaching interns.

Library Internships. Graduate students may intern in HSU Library’s Humboldt Room and University Archives. Library Scholar interns gain hands-on experience with archival research and preservation, intellectual property and copyright, scholarly editing and publishing, public history, and museum studies. They work with manuscripts, rare books, and assorted special collections, developing skills including research, publicity, accession processing, digitization, and preparation of exhibits and digital projects. Library Scholar Interns work as a team to complete a variety of projects and receive mentoring from the faculty of record.

Western Regional Graduate Program. HSU is a member of the Western Regional Graduate Program (WRGP). WRGP is a program that allows students from fifteen western states to attend HSU and pay California Resident Tuition: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming. The English Department participates in this program. For more information, please consult the WRGP website at http://wiche.edu/wrpg.

Federal Work Study Graduate Research Assistantships. Qualified MA students who are eligible for work-study funding may be matched with faculty or staff members whose research or creative projects require a research assistant. Awards of up to $5,000 per academic year (up to 15 hours of work per week) are typically available contingent upon federal funding. Students must be enrolled in 6 units or more of course work to be eligible. While faculty members typically nominate students for these positions, students are also encouraged to seek out faculty and have a conversation about the possibility of working as their research assistants.
ENVIRONMENTAL ETHICS MINOR

Minor in Environmental Ethics

Advisors
Matt Johnson, Ph.D.
WFB 222
707-826-3218

Rick Brown, Ph.D.
WFB 260
707-826-3320

The Program
This minor provides students with scientific information and a sense of the social, political, and ethical issues involved in environmental decisions.

This minor can help students prepare for careers in environmental law, environmental planning, and natural resource professions.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 15-16
Courses are listed in preferred sequence.

Required
PHIL 302 [3] Environmental Ethics

Introduction to Environment

Complete one course:
FISH 300 [3] Introduction to Fishery Biology
FISH 310 [4] Ichthyology
FOR 130 [3] Dendrology

Environmental Issues

Complete one course:
ESM 215 [3] Natural Resources & Recreation
ENGR 305 [3] Appropriate Technology
FISH 443 [3] Problems in Water Pollution Biology
FOR 432 [4] Silviculture
OCN 301 [3] Marine Ecosystems — Human Impact
OCN 304 [3] Resources of the Sea
(Nongame Management)

Complete one course:
ECON 309 [3] Economics of a Sustainable Society
ESM 200 [3] Inscape & Landscape
ESM 308 [3] Ecotopia
PSCI 306 [3] Environmental Politics

Environmental Decision Making

Complete one course:
ESM 305 [3] Environmental Conflict Resolution
Bachelor of Science degree with a major in Environmental Resources Engineering

See Environmental Systems for the Master of Science degree with concentrations in Environmental Resources Engineering (ERE) and Energy Technology & Policy (ETaP).

Department Chair
Eileen Cashman Ph.D.

Department of Environmental Resources Engineering
Harry Griffith Hall 119
707-826-3619
engineering@humboldt.edu
engineering.humboldt.edu

For a complete description of the ERE program, including its program goals, see our webpage at engineering.humboldt.edu.

Mission Statement
The mission of the ERE program is to educate students to identify and solve complex environmental resources engineering problems. The program prepares responsible leaders who will sustain, restore and protect our natural resources and the environment.

The Program
Students completing this program will have demonstrated:

- 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.

HSU offers one of the largest and oldest undergraduate accredited environmental engineering programs in the United States. While studying in one of the most environmentally interesting areas of California, Environmental Resources Engineering students will learn to apply an interdisciplinary approach to understanding and resolving resource planning and management problems in their social, economic, ethical, and historical contexts.

Program coursework and research are in three primary areas: water quality, water resources, and energy resources.

Students prepare for work in industry, private practice, or government, or for continued studies in graduate school.

Potential careers include: environmental engineer, civil engineer, groundwater engineer, energy engineer, air pollution engineer, ecological engineer, fisheries engineer, hazardous waste engineer, hydraulic engineer, hydrologist, public health engineer, public works engineer, sanitary engineer, solid waste engineer, water resources engineer, water quality engineer, building energy efficiency analyst, wind power analyst/engineer, solar power engineer, energy storage systems engineer, habitat restoration engineer.

The Environmental Resources Engineering program at Humboldt State University is accredited by the Engineering Accreditation Commission of ABET, abet.org.

Preparation
Students interested in becoming an ERE major should take courses in mathematics, chemistry, biology, physics, and written communications.

REQUIREMENTS FOR THE MAJOR

Modifications to General Education Requirements

The ERE program has approval for the following GE requirements to be fulfilled by completion of all ERE major coursework. Lower Division GE Areas A: Oral Communication (3 units), A: Critical Thinking (3 units), D (3 units), and E (3 units); Upper Division GE Area B: (3 units). In addition, the ERE program has approval for courses fulfilling requirements in American Institutions (6 units) to count as fulfilling Lower Division GE Area D requirements (6 units).

Students who change out of the ERE major are encouraged to contact the Office of the Registrar or the Academic & Career Advising Center regarding completion of GE requirements.

The following degree requirements must be fulfilled in addition to those listed below for the major. please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

- Lower Division GE Area A: Written Communication (3 units)
- Lower Division GE Area C (9 units)
- American Institutions (6 units)
- Upper Division GE Area C (3 units)
- Upper Division GE Area D (3 units)
- Diversity & Common Ground (0-6 units)

Unit Requirements

Total units in the major: 96
Total units required to graduate: 120

Special Grade Requirements

A minimum grade of C- is required for all courses in the major. Grades of D+, D, F, WU, and NC count as failed attempts. Required courses in the major may not be repeated more than one time. If a student has two failed attempts in a required course, the student will not be able to graduate with an ERE degree.

Lower Division

BIOL 105 (4) Principles of Biology
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
PHYS 211 (4) General Physics C
ENGR 115 (3) Intro to Environmental Resources Engineering
ENGR 210 (3) Solid Mechanics: Statics
ENGR 211 (3) Solid Mechanics: Dynamics
ENGR 215 (3) Introduction to Design
ENGR 225 (3) Computational Methods for Environmental Engineering I

Upper Division

ENGR 313 (3) Systems Analysis
ENGR 322 (4) Environmental Data Modeling & Analysis
ENGR 325 (3) Computational Methods for Environmental Engineering II
ENGR 326 (3) Computational Methods for Environmental Engineering III

Students preparing for work in industry, private practice, or government or for continued studies in graduate school.
ENGR 330  (3) Mechanics & Science of Materials
ENGR 331  (3) Thermodynamics & Energy Systems I
ENGR 333  (4) Fluid Mechanics
ENGR 351  (4) Introduction to Water Quality
ENGR 410  (3) Environmental Health & Impact Assessment
ENGR 416  (3) Transport Phenomena
ENGR 440  (3) Hydrology I
ENGR 492  (3) Capstone Design Project

**Major Elective Program**

With advice and approval of an Environmental Resources Engineering faculty advisor and the department chair, select one upper division science or natural resources course and three senior engineering design courses from the following lists to form a coherent elective program.

One science/natural resources course:

BIOL 330  (4) Principles of Ecology
CHEM 341  (5) Quantitative Analysis
CHEM 370  (3) Earth Systems Chemistry
FISH 320  (3) Limnology
GEO 303  (3) Earth Resources & Global Environmental Change
GEO 306  (3) General Geomorphology
PHYX 315  (3) Intro to Electronics & Electronic Instrumentation
SOIL 360  (3) Origin and Class of Soils
SOIL 363  (3) Wetland Soils

Three engineering design courses:

ENGR 418  (3) Applied Hydraulics
ENGR 421  (3) Advanced Numerical Methods for Engineers I
ENGR 434  (3) Air Quality Management
ENGR 436  (3) Solid Waste Engineering
ENGR 441  (3) Hydrology II
ENGR 443  (3) Groundwater Hydrology
ENGR 445  (3) Water Resources Planning & Management
ENGR 448  (3) River Hydraulics
ENGR 452  (3) Drinking Water Treatment Engineering
ENGR 453  (3) Wastewater Treatment Engineering
ENGR 455  (3) Engineered Natural Treatment Systems
ENGR 471  (3) Thermodynamics & Energy Systems II
ENGR 473  (3) Building Energy Analysis
ENGR 475  (3) Renewable Energy Power Systems

ENGR 478  (3) Electricity Grids & Distributed Renewable Energy
ENGR 481  (3) Selected Topics with Engineering Design
ENGR 498  (3) Directed Design Project
Bachelor of Science degree with a major in Environmental Science & Management — with concentrations in:
Ecological Restoration  
Energy & Climate  
Environmental Education & Interpretation  
Environmental Planning & Policy  
Geospatial Science  
Natural Resources Recreation

Minors
Ecological Restoration  
Environmental Education & Interpretation  
Environmental & Natural Resources Planning  
Natural Resources  
Natural Resources Recreation

Certificates of Study
Environmental Education & Interpretation  
Environmental & Natural Resources Planning  
Geospatial Science  
Natural Resources Policy & Administration

Master of Science degree in Natural Resources — with a concentration in Environmental Science & Management

Department Chair
Steven R. Martin, Ph.D.

Environmental Science & Management
Natural Resources Building 200  
707-826-4147  
environment.humboldt.edu

Associated Faculty & Advisors
Natalie Arroyo, Gilian Black, Craig Benson, Kerry Byrne, Jeff Dunk, Yvonne Everett, Kevin Fingerman, James Graham, David Gwenzi, Jennifer Kalt, Budhika Madurapperuma, Nick Malloy, Jennifer Marlow, Steven Martin, Judith Mayer, Jack Murphy, Allison O'Dowd, Jennifer Ortega, Laurie Richmond, Amy Rock, Roxann Schroeder, Jennifer Tartan, William Trush, Julie Van Sickle, Casey Vaughn, Tashina Welliver

The Program

Students completing this program will have demonstrated:
- the knowledge and skills to understand, analyze, address and manage the consequences of human actions on the physical, biological, and cultural world.
- the knowledge and skills to seek out the information and resources necessary to understand complex environmental issues.
- the writing, speaking, and electronic communication skills needed to communicate with the public and professionals concerning the environmental sciences.
- the ability to apply critical thinking skills as the basis for decision making and sound value judgments.

Graduates should find work with state, federal, and local governments, nonprofit conservation organizations, private sector consulting firms (particularly those dealing with environmental impact analysis, environmental planning, wetlands delineation, environmental restoration, geospatial applications in natural resources, energy technology and planning, and natural resource management), or go on to professional and graduate schools to study ecology, environmental law, environmental planning, human dimensions of natural resources, outdoor recreation management, geospatial science, natural resources management, wilderness management, public administration, or environmental policy.

Preparation

High school students need strong academic preparation in math, writing, and the sciences.

REQUIREMENTS FOR THE MAJOR

Unit Requirements

Core units: 42-43  
Concentration units: 34-40  
Total units in the major: 76-82  
Total units required for the degree: 120

Special Grade Requirement

Complete all courses in the major with a grade of C- or better.

Core Courses (42-43 units)

Lower Division

ESM 105  [3] Natural Resource Conservation  
ESM 200  [3] Inscape & Landscape or  
SCI 100  [3] Becoming a STEM Professional in the 21st Century

Course Requirements

1 Course requires one or more prerequisites that are not required elsewhere in the major.
FOR 315 [3] Forest Management and
FOR 431 [3] Forest Restoration, or
RRS 306 [3] Rangeland Resource Principles and

Complete one upper division course approved by your advisor: from BOT, ESM, FISH, FOR, GEOL, GSP, RRS, SOIL, WSHD, or WLDF. (Prerequisites may be required for some courses, depending on choice.)

NOTE: 34 units may double-count toward GE requirements.

**Environmental Science & Management**

**PhyX 104** (4) Descriptive Astronomy
**GEOG 106** (3) Physical Geography, or
**PHYX 104** (4) Descriptive Astronomy
**SOIL 260** (3) Introduction to Soil Science
**GEOL 109** (4) Introduction to Geology, Interpretation Concentration (37 units)

Complete two climate science courses:
**CHEM 107** (4) Fundamentals of Chemistry
**ENGR 130** (3) Dendrology
**OCN 420‡** (3) Oceans and Climate
**WSHD 458** (3) Climate Change & Land Use

NOTE: 34 units may double-count toward GE requirements.

**Chemistry**

**GEOG 106** (3) Physical Geography, and
**PHYX 104** (4) Descriptive Astronomy
**ESM 210** (3) Public Land Use Policies

**Economics**

**ECON 104** (3) Contemporary Topics in Economics
**MATH 105** (3) Calculus for the Biological Sciences & Natural Resources
**PHYX 106** (4) College Physics: Mechanics & Heat
**PHYX 107** (4) College Physics: Electromagnetism & Modern Physics

**Environmental Education & Interpretation Concentration (37 units)**

**CHEM 107** (4) Fundamentals of Chemistry

Advisor Approved Elective
Complete one upper division science or natural resources depth course approved by advisor (3 units).

NOTE: 34 units may double-count toward GE requirements.

**Environmental Planning & Policy Concentration (39 units)**

**Lower Division**

**CHEM 107** (4) Fundamentals of Chemistry
**ECON 104** (3) Contemporary Topics in Economics
**MATH 105** (3) Calculus for the Biological Sciences & Natural Resources
**PHYX 106** (4) College Physics: Mechanics & Heat
**PHYX 107** (4) College Physics: Electromagnetism & Modern Physics

**Upper Division**

**ECON 450** (4) Energy Economics & Climate Policy
**ENGR 305** (3) Appropriate Technology
**ENGR 371** (3) Energy Systems & Technology
**ESM 370** (3) Energy, Technology & Society
**ESM 425** (3) Environmental Impact Assessment

Complete two climate science courses:
**CHEM 370** (3) Earth System Chemistry
**OCN 420‡** (3) Oceans and Climate
**WSHD 458** (3) Climate Change & Land Use

NOTE: 34 units may double-count toward GE requirements.

**Environmental Education & Interpretation Concentration (37 units)**

**GEOL 109** (4) Introduction to Geology, or
**SOIL 260** (3) Introduction to Soil Science
**CHEM 107** (4) Fundamentals of Chemistry, or
**GEOG 106** (3) Physical Geography, or
**PHYX 104** (4) Descriptive Astronomy
**ESM 210** (3) Public Land Use Policies

**ESM 215** (3) Natural Resources & Recreation
**ESM 253** (3) Interpretive Computer Graphics
**CD 209** (3) Middle Childhood Development
**ESM 350** (3) Fundamentals of Environmental Education & Interpretation
**ESM 351** (1) Environmental Interpretation Field Trip
**ESM 355** (3) Principles of Ecological Restoration
**ESM 357** (3) Natural Resources & Recreation
**SOIL 260** (3) Intro to Soil Science
**GSP 270** (3) Geographic Information Science (GIS)
**FOR 374** (3) Wilderness Area Management
**ESM 425** (3) Environmental Impact Assessment
**ESM 430** (3) NR Management in Protected Areas
**ESM 440** (2) Managing Recreation Visitors Lab
**ESM 440L** (1) Managing Recreation Visitors Lab
**ESM 482** (2) Internship, or
**ESM 499** (2) Directed Study

Advisor Approved Elective
Complete one upper division natural resources management course (3 units), approved by advisor: from FISH, FOR, ESM, RRS, SOIL, WSHD, WLDF.

NOTE: 34 units may double-count toward GE requirements.

**Environmental Planning & Policy Concentration (39 units)**

**Lower Division**

**CHEM 107** (4) Fundamentals of Chemistry
**ESM 210** (3) Public Land Use Policies & Management
**GSP 270** (3) Geographic Information Science (GIS)

**Upper Division**

**ESM 360** (3) Intro to Environmental Planning Methods
**ESM 365** (3) Local Government Planning
**ECON 423** (3) Environmental & NR Economics
**ESM 425** (3) Environmental Impact Assessment
**ESM 460** (3) Environmental Planning for Public Lands & Rural Communities
**ESM 462** (3) Coastal & Marine Planning
**ESM 482** (2) Internship, or
**ESM 499** (2) Directed Study

Complete one ecology & management course:

**ESM 355** (3) Principles of Ecological Restoration
**ESM 370** (3) Energy Technology & Society
**ESM 420** (3) Ecosystem Analysis
**ESM 430** (3) Natural Resource Management in Protected Areas
**FOR 321** (3) Fire Ecology
**FOR 374** (3) Wilderness Area Management
**FISH 476‡** (3) Ecology of Running Waters
**WLDF 460‡** (3) Conservation Biology

Complete one natural resource science fundamentals course:

**FOR 130** (3) Dendrology
**GEOL 109** (3) General Geology
**SOIL 260** (3) Intro to Soil Science

‡ Course requires one or more prerequisites that are not required in the major.

*‡CHEM 109 & CHEM 110 may be substituted for CHEM 107.
BOT 350‡  (4) Plant Taxonomy
WSHD 310  (4) Hydrology & Watershed Management

Complete one upper division policy and management courses, chosen from a list of approved courses provided by your advisor; from ENGR, FISH, FOR, GEOG, NAS, PHIL, PSCI, RRS, SOIL, WSHD, WLDF. (Prerequisites may be required for some courses, depending on choice.)

NOTE: 34 units may double-count toward GE requirements.

Geospatial Science Concentration  
(34 units)

Lower Division
GEOG 106  (3) Physical Geography
GSP 216  (3) Intro to Remote Sensing
GSP 270  (3) Geographic Information Science (GIS)

Upper Division
GSP 316  (4) Cartography
GSP 318  (3) Geospatial Programming I
GSP 326  (3) Intermediate Remote Sensing
GSP 330  (3) Mobile Mapping
GSP 370  (3) Intermediate GIS
GSP 418  (3) Geospatial Programming II, or
GSP 436  (3) Advanced Remote Sensing, or
GSP 470  (3) Advanced Geospatial Analysis & Modeling
E SM 425  (3) Environmental Impact Assessment

Complete one natural resources depth or course approved by advisor; minimum 3 units:
E SM 360  (3) Intro to Environmental Planning Methods
E SM 430  (3) Natural Resource Mgmt. in Protected Areas
FISH 260  (3) Fish Conservation & Mgmt.
FISH 300  (3) Intro to Fishery Biology
FOR 302  (3) Forest Ecosystems & People
FOR 307  (3) California’s Forests & Woodlands
GEOL 300‡  (3) Geology of California
GEOL 303  (3) Earth Resources & Global Environmental Change
GEOL 306‡  (3) General Geomorphology
GEOL 308  (3) Natural Disasters

OE N 301  (3) Marine Ecosystems — Human Impact
OE N 304  (3) Resources of the Sea
RRS 306  (3) Wildland Resource Principles

WSHD 310  (4) Hydrology & Watershed Management
WSHD 333  (3) Wildland Water Quality
W LDF 301  (3) Principles of Wildlife Management
W LDF 468  (3) Spatial Wildlife Ecology

NOTE: 33 units may double-count toward GE requirements.

REQUIREMENTS FOR THE MINORS

Special Grade Requirement
Complete all courses in the minor with a C- or better.

Ecological Restoration Minor
Total units required for the minor: 16
BOT 105  (4) General Botany
SOIL 260  (3) Intro to Soil Science
E SM 355  (3) Principles of Ecological Restoration

Complete either:
FOR 315  (3) Forest Management and
FOR 431  (3) Forest Restoration
or
RRS 306  (3) Rangeland Resource Principles and

RRS 430  (3) Wildland Restoration & Development

Environmental Education & Interpretation Minor
Total units required for the minor: 19-20

E SM 215  (3) Natural Resources & Recreation
E SM 253  (3) Interpretive Computer Graphics [or equivalent]
E SM 350/351  (3/1) Fundamentals of Environmental Education & Interpretation, and Field Trip
E SM 353  (3) Environmental Education & Interpretation Graphics
E SM 453  (4) Environmental Education & Interpretation Capstone OR
C D 209  (3) Middle Childhood Development
E SM 450  (3) Applied Environmental Education & Interpretation

Environmental & Natural Resources Planning Minor
Total units required for the minor: 18
GEOG 106  (3) Physical Geography
E SM 105  (3) Natural Resource Conservation
E SM 210  (3) Public Land Use Policies & Management
E SM 360  (3) Intro to Environmental Planning Methods

Plus two courses from the following:
E SM 325  (3) Environmental Law & Regulation
E SM 365  (3) Local Government Planning
E SM 425  (3) Environmental Impact Assessment

Environmental Policy Minor
Total units required for the minor: 18-19
E SM 105  (3) Natural Resources Conservation
E SM 210  (3) Public Land Use Policies & Management
E SM 325  (3) Environmental Law & Regulation
E SM 425  (3) Environmental Impact Assessment
PSCI 306  (3) Environmental Politics

Complete one course from the following:
ECON 423  (3) Environmental & Natural Resource Economics
NAS 332  (3) Environmental Justice
PSCI 317  (4) Public Policy Process
PSCI 352  (4) Water Politics
PSCI 364  (4) Technology & Development
PSCI 373  (4) Politics of Sustainability
PSCI 412  (4) Legal Research

Natural Resources Minor
Total units required for the minor: 19
B IOL 105  (4) Principles of Biology
E SM 105  (3) Natural Resource Conservation
SOIL 260  (3) Introduction to Soil Science

At least three courses from the following [at least 6 units must be 300 or above]:
E SM 210  (3) Public Land Use Policies & Management
E SM 215  (3) Natural Resources & Recreation
E SM 365  (3) Local Government Planning
FISH 300  (3) Introduction to Fishery Biology
FOR 315  (3) Forest Management
FOR 374  (3) Wilderness Area Mgmt.
OCN 301  (3) Marine Ecosystems — Human Impact
OCN 304  (3) Resources of the Sea
RRS 306  (3) Wildland Resource Principles
W LDF 301  (3) Principles of Wildlife Management
Natural Resources Recreation

Minor

Total units required for the minor: 17-18

ESM 210 (3) Public Land Use Policies & Management
ESM 215 (3) Natural Resources & Recreation
ESM 305 (3) Environmental Conflict Resolution, or
ESM 309B (3) Environmental Communication
FOR 374 (3) Wilderness Area Mgmt.
ESM 415 (3) Recreation & Park Planning, or
ESM 440 (2) Managing Recreation Visitors
ESM 430 (3) NR Management in Protected Areas
Environmental Studies

Bachelor of Arts degree with a major in Environmental Studies

Department Chair
Sarah Jaquette Ray, Ph.D.

Department of Environmental Studies
Founders Hall 109
707-826-3946
environmentalstudies@humboldt.edu
enst.humboldt.edu

Affiliated Faculty & Advisors
Anthropology: Dana Adams
Art: Nicole Jean Hill
Economics: Will Fisher
English: Janelle Adsit
Environmental Resources Engineering: Lonny Grafman
Environmental Science & Management: Kevin Fingerman
Environmental Studies: Deepti Chatti, Geography, Environment & Spatial Analysis: Matthew Derrick, Rosemary Sherriff, Laura Johnson
Politics: Mark Baker; John Meyer; Noah Zerbe
Native American Studies: Cutcha Risling Baldy
Philosophy: Loren Cannon
Sociology: Anthony Silvaggio

The Program

Do you love the natural world but also love thinking about culture, people, politics, media, economics, history, literature, art, and identity? Do you want to save the planet and also make the world a more equitable place for all its inhabitants? Do you want to develop a wide range of skills to address the world’s most pressing environmental and social dilemmas? Consider an interdisciplinary Environmental Studies degree at HSU.

Environmental studies provides students with tools for understanding the complex relationships between human communities and both “natural” and built environments. The program cultivates critical analysis of environmental problems using tools from a variety of disciplines, helps students analyze environmental messages and communicate them effectively, and enables them to act as informed citizens and professionals. This requires knowledge of earth systems science as well as human systems, informed by careful reflection upon ethical concerns and societal values. Students tailor their focus in the degree by choosing a suite of applied courses in one of the “emphasis area” options: Ecology and Conservation Science, Geospatial Analysis, Media Production, Community Organizing, or Appropriate Technology.

Students completing this program will be able to:
- demonstrate understanding of how environmental challenges involve multiple perspectives and social contexts, and recognize the role of power and privilege in shaping them
- demonstrate literacy with earth systems knowledge, creative, and social scientific approaches to understand environmental challenges
- understand how different research methods lead to diverse environmental knowledges
- critically evaluate normative claims about and representations of the environment.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 31
Emphasis units: 9-11
Total units in the major: 55-62
Total units required for the degree: 120

Special Grade Requirement

Complete all courses in the major with a C- or better.

Core Courses (31 units)

The following core courses are required for all majors.

Lower Division
ENST 120 [1] Introductory Seminar to Environmental Studies
ENST 295 [4] Power/Privilege & Environment [DCG-d]
GEOG 106 [3] Physical Geography
ESM 230 † [3] Environmental Methods, or
GSP 101 [2] Geospatial Concepts and
GSP 101L [1] Geospatial Concepts Lab* *GSP 101/101L are required for the Geospatial Analysis emphasis

Upper Division
ECON 423 (3) Environmental & Natural Resources Economics
ENST 395 (4) Environmental Studies Research & Analysis
ENST 490 (4) Environmental Studies Capstone Experience, or
ENST 490S (4) Environmental Studies Capstone Experience with Service Learning
NAS 331 (3) Indigenous Natural Resource Management Practices, or
NAS 332 (3) Environmental Justice
PSCI 306 (3) Environmental Politics

Arts and Humanities

Complete 6-8 units from the following:
ART 395 (3) Topics in Art: Art & Place
ENGL 311 (4) Environmental Writing
ENGL 370 (4) Topics in the Literature of Power and Place
ESM 309B (3) Environmental Communication
EGEOG 311 (3) Geographic Research & Writing
PHIL 302 (3) Environmental Ethics
RS 361 (3) Environment & Religion
WS 340 (3-4) Ecofeminism
ENST 480 (1-4) Special Topics

Earth Systems Science

Complete one of the following:
GEOG 302 (3) Global Ecology & Biodiversity
GEOG 352 (3) Weather, Climate, and Natural Hazards
GEOG 357 (3) Climate, Ecosystems & People
GEOG 303 (3) Earth Resources & Global Environmental Change
OCN 304 (3) Resources of the Sea
WSHD 310 (4) Hydrology & Watershed Management

Social Sciences

Complete two of the following:
ECON 309 (3) Economics of Sustainable Society
GEOG 301 (3) International Environmental Issues & Globalization
GEOG 365/PSCI 365 (4) Political Ecology
NAS 366 (4) Tribal Water Rights
PSCI 364 (4) Technology & Development
PSCI 373 (4) Politics of Sustainability

† Course requires a prerequisite that is not required elsewhere in the major.
SOC 320 (4) Environmental Sociology
SOC 370 (3) Environmental Inequality & Globalization

**Emphases (9–11 units)**

Complete one emphasis to fulfill the requirements of the major.

The emphasis areas are designed to provide students with skills that complement the core Environmental Studies curriculum. Emphases are not listed on your diploma or transcripts, but you can highlight this additional skill-set on your resume and elsewhere.

**Appropriate Technology Emphasis (10 units)**

Complete all of the following:
- ENST 123 (1) CCAT Practicum [Take twice with different topics for a total of 2 units.]
- SOIL 104 (3) Intro to Sustainable Agriculture
- ENGR 305 (3) Appropriate Technology
- ENGR 308 (3) Technology & the Environment

**Community Organizing Emphasis (10-11 units)**

COMM 315 (4) Communication & Social Advocacy
COMM 416 (3) Social Advocacy Theory & Practice
CRGS 313/EDUC 313 (3) Community Activism, or
SOC 475 (4) Community Organizing

**Ecology & Conservation Science Emphasis (9-11 units)**

Complete one of the following:
- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany
- WLDF 210 (3) Intro to Wildlife Conservation
- ZOOL 110 (4) Introductory Zoology

Complete one of the following:
- BIOL 330 ‡ (4) Principles of Ecology
- WLDF 301 ‡ (3) Principles of Wildlife Management

Complete this course.
- WLDF 460 ‡ (3) Conservation Biology

**Geospatial Analysis Emphasis (9-10 units)**

Complete two of the following:
- GSP 216 ‡ (3) Introduction to Remote Sensing
- GSP 270 ‡ (3) Geographic Information Science [GIS], or
- GSP 280 ‡ (3) Special Topics in GSP [when offered as GIS for the Social Sciences]
- GSP 316 ‡ (4) Cartography
- GSP 270 ‡ (3) Geographic Information Science [GIS], or
- GSP 280 ‡ (3) Special Topics in GSP [when offered as GIS for the Social Sciences]
- GSP 370 ‡ (3) Intermediate Geographic Information Science [GIS]

**Media Production Emphasis (9-10 units)**

Complete 6 units from the following:
- ART 108 (3) Graphic Design I
- ART 251 (3) Photography I
- JMC 120 (3) Beginning Reporting
- JMC 125 (3) Intro to Journalism Tools
- JMC 155 (3) Video Production

Complete at least 3 units from the following:
- ENGL 460 (4) Literary Editing & Publishing [Toyon]
- FILM 360 (4) Science, Environment & Natural History Digital Production
- FILM 362 (4) Social Change Digital Production
- JMC 325 (3) Osprey Magazine Production
- JMC 327 (2) Lumberjack News Workshop
- JMC 336 (3) Advanced Video Production
- JMC 490 (1) Seminar in Journalism [Topic: El Leñador]

‡ See course description for prerequisites.
Master of Science degree in Environmental Systems —
with concentrations in:
• Energy Technology & Policy
• Environmental Resources Engineering
• Geology

This program is administered by the coordinator of the environmental systems graduate program of the College of Natural Resources and Sciences.

Coordinator
Margaret Lang, Ph.D.

Graduate Office
College of Natural Resources & Sciences
Forestry 101
707-826-3256

The Program

Students completing this program will have demonstrated:
• the ability to read the current literature in their area with understanding and insight
• the ability to apply that current research to the solution of environmental and resource management problems in their area of interest
• the ability to successfully work as a team member on the solution of environmental and resource management problems
• the ability to clearly articulate an understanding of and solutions to environmental and resource management problems
• the ability to define and conceptualize an environmental problem, develop an appropriate approach to its solution, successfully complete the project, and clearly communicate the results.

The Energy Technology and Policy Concentration is an interdisciplinary program for students interested in issues ranging from renewable energy engineering to climate change mitigation, and from international development to energy policy in California. The program offers a rigorous curriculum for students who are interested in making a difference in these important areas of work.

Career possibilities: energy engineer; energy policy analyst, environmental projects manager; international development worker.

The Environmental Resources Engineering Concentration focuses on the design, testing, and analysis of natural and engineered systems applied to advanced water and wastewater treatment, water resources, and renewable energy. Career possibilities: environmental engineer; water quality engineer; energy engineer; water resources engineer.

The Geology Concentration, during its first year, gives a quantitative and qualitative background for research in applied geology. Students usually spend their summers on thesis research. The second year is devoted to research, data analysis, and writing the thesis.

Career possibilities: field geologist, engineering geologist, exploration geophysicist, hydrologist, and marine geologist.

Preparation

Earn an approved bachelor’s degree for the selected concentration.

Satisfy general admission requirements.

Earn satisfactory test scores from the verbal and quantitative sections of the Graduate Record Examination.

File a statement of objectives with reasons for pursuing a master’s degree with a particular concentration.

Requirements for the Degree

For a description of degree requirements to be fulfilled in addition to those listed below, see, “The Master’s Degree” section of the catalog, pp. 83-84.

Complete an environmental systems program of courses arranged with a graduate advisor and approved by the faculty graduate committee. The program must include the core courses below plus an environmental systems concentration. Background deficiencies may be satisfied by taking approved undergraduate courses.

Unit Requirements

Total units required for the degree: 30

Core Requirements

Complete the core course requirement:

SCI 698 (1-3) Graduate Colloquium in Environmental Systems

Complete one of the following concentrations: Energy Technology and Policy; Environmental Resources Engineering; or Geology.

Write an acceptable thesis/project.

Energy Technology & Policy Concentration

Prerequisites

An appropriate undergraduate degree and sufficient preparation is required. Prior coursework in areas including elementary statistics and probability, calculus, physics, and chemistry is expected. Engineering, math, and natural science students will benefit from having had at least 6 semester units of sociology, anthropology, economics, political science, or another related social science. Students who aspire to work internationally should have at least one year of training in a language other than English, or equivalent experience. Students with deficient preparation will be expected to satisfy background coursework prior to beginning the program. Deficiencies may be made up concurrently with prior approval in some cases, but this may extend time in the program.

Required Courses

Complete all core requirements listed under Requirements for the Degree plus the following concentration requirements:

ENGR 532 (4) Energy, the Environment, and Society
ECON 550 (4) Economics of Energy & Climate Policy
STAT 630 (4) Data Collection & Analysis

Complete at least one additional course from the following:

ENGR 533 (4) Energy & Climate Change
ENGR 535 (4) Development Technology

Approved Elective Courses

Complete a coherent package of at least four upper division and graduate courses that bring the total to at least 30 units.

Environmental Resources Engineering Concentration

Prerequisites

Applicants should have an undergraduate major in engineering (civil, mechanical, agricultural, chemical, industrial, environmental, or other) or a related physical science. Students with deficiencies in core competencies associated with Environmental Resources Engineering may be required to take prerequisite coursework.
Required Courses

Complete all core requirements listed under Requirements for the Degree, plus at least three graduate level engineering courses from an approved list. In addition, students must complete approved coursework in topics related to engineering, associated sciences, economics, and policy to bring the total number of units to at least 30. Up to 6 units of thesis or project work may be applied to the degree. Note that courses taken at the 400-level for an undergraduate degree may not be repeated at the 500-level for credit towards the graduate degree.

Approved coursework must include one course each in economics and policy. Allowable courses include those listed below or appropriate alternative non-general education upper division or graduate level courses approved by the student's academic advisor.

Approved Economics Courses

ECON 423* (3) Environmental & Natural Resources Economics
ECON 423D (1) Environmental & Natural Resources Economics - Additional Depth
ECON 550 (4) Economics of Energy & Climate Policy
ECON 570S (4) Sustainable Rural Economic Development
*Must be taken concurrently with the corresponding Additional Depth course

Approved Policy Courses

ENGR 532 (4) Energy, Environment & Society
ENGR 545 (3) Water Resources Planning & Mgmt.
GEOG 473 (1-4) Topics in Physical Geography

Geology Concentration

Program Prerequisites

Applicants should (a) have an undergraduate major in geology or a related science and (b) submit transcripts and Graduate Record Examination scores in both aptitude and geology. Applicants must have at least a year of college physics and a minimum of two semesters of calculus (three semesters desirable).

Required Courses

Complete all core requirements above plus concentration requirements:

GEOL 550 (3) Fluvial Processes
GEOL 551 (3) Hillslope Processes
GEOL 553 (4) Quaternary Stratigraphy
GEOL 554 (2) Advanced Geology Field Methods
GEOL 555 (3) Neotectonics
STAT 630 (4) Data Collection & Analysis

Approved upper division and graduate courses in a coherent package to bring the total units to 30. Electives generally will be taken within the College of Natural Resources and Sciences.
Ethnic Studies (Comparative) Minor

Minor in Comparative Ethnic Studies

See also the Ethnic Studies Emphasis within the Critical Race, Gender and Sexuality Studies (CRGS) major.

Department Chair
Kim Berry, Ph.D.

Department of Critical Race, Gender and Sexuality Studies
Behavioral & Social Sciences 206
707-826-4328, fax 707-826-4320
crgs.humboldt.edu

The Program
Students completing this minor will have demonstrated the ability to:
 use intersectional analysis to examine social issues
 explain prominent debates in critical social theory
 articulate the relationship between social justice movements and history.

Comparative Ethnic Studies uses interdisciplinary and cross-cultural comparative methods to provide diverse perspectives that challenge monolithic thinking about the formation of identities and societies. It reveals silenced and marginalized voices from different frames of cultural reference and seem silenced while others seem amplified in local, national, and global contexts. This program specifically explores and compares the experiences of American ethnic groups [such as African Americans, Latin@s, Asian Americans, Native Americans, and Euro-Americans] at the local and national level. At the same time, it pushes students to think globally and reach beyond American borders. It prepares students to better understand the intersections of race, ethnicity, class, gender, sexuality, nationality, and religion in the experiences of all groups and individuals, including those with privilege and power. Comparative Ethnic Studies creates a complex, self-reflexive, inclusive, and interactive model for critical thinking and social change. By developing students' awareness of human interconnectedness, social inequality, and cultural diversity, Comparative Ethnic Studies promotes human interactions for social justice in the 21st century.

Preparation
High school students should take American ethnic literature, social studies, and history.

Requirements for the Minor
Total units required for the minor: 16

Required Courses
ES 105 (3) Introduction to US Ethnic Studies.
ES 308 (3) Multi-Ethnic Resistance in the US
ES 326 (4) Media & the Politics of Representation

Complete 6 units from the following:
CRGS 330 (3) Women of Color Feminisms
ES 245 (3) Hip Hop & the Black Experience
ES 304 (3) Migrations & Mosaics
ES 305 (3) African American Cultural History
ES 306 (3) World Regions Cultural Studies
ES 314 (3) Chicano Culture & Society in America
ES 325 (3) From Civil Rights to Black Power
ES 336/WS 336/ENGL 336 (4) American Ethnic Literature
ES 480 (1-4) Selected Topics in ES or other advisor approved course.
# Family Studies Minor

**Minor in Family Studies**

**Department Chair**  
Dr. Kishan Lara-Cooper

**Department of Child Development**  
Harry Griffith Hall 229  
707-826-3471  
childdev.humboldt.edu/minors

**The Program**

Examine the family from multiple perspectives, giving special attention to changes in the American family over time and across ethnic and socioeconomic groups. Look at various methods for working with families and helping the family remain strong and healthy. Knowledge about families is excellent background for work in social services, teaching, community development, community health, counseling, family law, public administration, or public policy.

**Requirements for the Minor**

Total units required for the minor: 21

**Family Foundation**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 251</td>
<td>Children, Families &amp; Their Communities</td>
<td>3</td>
</tr>
</tbody>
</table>

**Growth & Development Foundation**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 350</td>
<td>Perspectives: Life-Span Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Contemporary Family Dynamics**  
Complete a minimum of one course from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 352</td>
<td>Parent/Child Relationships [DCG-d]</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 303</td>
<td>Family Relations in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 306</td>
<td>The Changing Family</td>
<td>3</td>
</tr>
</tbody>
</table>

**Cultural Variations**  
Complete a minimum of one course from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIE 335</td>
<td>Social Cultural Considerations [DCG-d]</td>
<td>3</td>
</tr>
<tr>
<td>CD 467</td>
<td>Working with Culturally Diverse Families [DCG-d]</td>
<td>3</td>
</tr>
<tr>
<td>COMM 222</td>
<td>Intercultural Communication [DCG-d]</td>
<td>4</td>
</tr>
</tbody>
</table>

**Interacting with Families**  
Complete a minimum of one course from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIE 335</td>
<td>Social Cultural Considerations [DCG-d]</td>
<td>3</td>
</tr>
<tr>
<td>CD 366</td>
<td>Exceptional Children &amp; Their Families</td>
<td>3</td>
</tr>
</tbody>
</table>

**Special Family Topics**

*Complete a minimum of 3 units from:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 362</td>
<td>Children &amp; Stress</td>
<td>3</td>
</tr>
<tr>
<td>CD 366</td>
<td>Exceptional Children &amp; Their Families</td>
<td>3</td>
</tr>
<tr>
<td>SW 431</td>
<td>Juvenile Delinquency</td>
<td>4</td>
</tr>
<tr>
<td>SW 480</td>
<td>Special Topics [topic must be related to the family. Requires prior permission to count toward minor]</td>
<td>0.5-4</td>
</tr>
</tbody>
</table>

**Advocacy & Public Policy**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 479</td>
<td>Policy Analysis &amp; Advocacy</td>
<td>3</td>
</tr>
</tbody>
</table>

[Completion of other courses in minor required]

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* Course may not be used for more than one topic section.
FILM

Bachelor of Arts degree with a major in Film

Minor in Film

Department Chair / Program Leader
Ann Alter, MFA
Ann.Alter@humboldt.edu

Department of Theatre, Film & Dance
Theatre Arts Building 20
707-826-3566
film.humboldt.edu

The Program

Students completing this program will have demonstrated:

- fundamental aesthetically-driven technical skills essential to 16mm filmmaking and/or digital media production
- development of films grounded in ethical storytelling and production processes
- application of creative problem solving and collaborative practices in their work
- integration of film vocabulary and/or analyze global film studies
- synthesis of knowledge with skills through the creation and completion of short films.

Steeped within the traditions of independent filmmaking, students learn the fundamentals of fiction and non-fiction film through a production-based, hands-on program. Our curriculum integrates creative exploration and technical skill development with film theory and history, grounded in a liberal arts education that fosters ethical storytellers who artfully explore the human condition in creative ways.

In our foundational Filmmaking I-IV core classes students will develop and master the fundamentals of film and digital production while learning industry protocols, practices and technical workflows. Creating impactful, cinematic stories through the craft and artistry of directing, writing, cinematography, and editing are key components of these courses. We offer advanced electives in other areas such as screenwriting, cinematography and directing.

Students have an opportunity to focus on the environment, social change, natural history and science filmmaking. Humboldt County is home to prime location filming; beaches, redwood forests, Victorian villages, rural farmland, coastal port towns and more.

All aspects of the program stress professionalism with an emphasis on quality as well as collaborative and creative processes. Small class size allows for robust participation and discussion by all students and individualized instruction with faculty who are working professional filmmakers. Students are encouraged to develop films that will identify and reach underserved audiences that exist outside mainstream media and commercial venues. HSU Film educates students to be an independent voice that is part of the change advocated by HSU's mission statement.

The way audiences consume media and the way filmmakers make and deliver it is constantly evolving. HSU Film prepares graduates who will be flexible in this ever-shifting environment by stressing solid story development, combined with creative and technical agility. Graduates find jobs as cinematographers, videographers, camera assistants, film editors, sound mixers, boom operators, grips, gaffers, associate producers, line producers, documentary directors, media consultants, screenwriters, script supervisors, production designers, production coordinators, art directors and production assistants.

Students are encouraged to have a minor area of study that complements their film interests, expands their skill set, enhances the depth of their culminating reel (i.e. portfolio), and advances their post-education professional employment opportunities. Interdisciplinary studies foster better critical thinkers and more active participants in social change. The combination of a science or social science minor and a film major empowers students to better disseminate their research to new and underserved audiences, which in turn positively impacts society.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 49
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C- is required for all courses in the major.

Required Courses [30 units]

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 104</td>
<td>Story Through Word &amp; Image</td>
<td>4</td>
</tr>
<tr>
<td>FILM 305</td>
<td>Art of Film: Beginning to 1950s, and</td>
<td>3</td>
</tr>
<tr>
<td>FILM 317</td>
<td>Art of Film Discussion: Pre 1950s</td>
<td>1</td>
</tr>
</tbody>
</table>

Film Electives [16 units]

Complete two courses from the following:

- FILM 350 (4) Writing for Film
- FILM 425 (4) Film Directing & Production Processes
- FILM 455 (4) Grant Writing, or
- FILM 455S (4) Grant Writing
- FILM 485 (4) Film Seminar

Complete two courses from the following:

- FILM 360 (4) Science, Environment & Natural History Digital Production
- FILM 362 (4) Social Change Digital Production
- FILM 378 (1-4) Film/Digital Production Workshop
- FILM 478 (1-4) Advanced Film/Digital Production Workshop

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 20

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 315</td>
<td>Filmmaking I</td>
<td>4</td>
</tr>
<tr>
<td>FILM 375</td>
<td>Filmmaking II</td>
<td>4</td>
</tr>
<tr>
<td>FILM 305</td>
<td>Art of Film: Beginning to 1950s, and</td>
<td>3</td>
</tr>
<tr>
<td>FILM 317</td>
<td>Art of Film Discussion: Pre 1950s</td>
<td>1</td>
</tr>
</tbody>
</table>

Additional Requirements

Complete two of the following [8 units]:

- FILM 360 (4) Science, Environment & Natural History Digital Production
- FILM 362 (4) Social Change Digital Production

Complete one of the following:

- FILM 485 (4) Film Seminar

For a description of degree requirements to be fulfilled in addition to those listed above, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.
Bachelor of Science degree with a major in Fisheries Biology — with concentrations in: Aquaculture Freshwater Fisheries Marine Fisheries

Minor in Fisheries Biology
See Natural Resources for details on the Master of Science degree.

Department Chair
Andrew Kinziger Ph.D.

Department of Fisheries Biology
Fisheries & Wildlife Building 220
707-826-3953
humboldt.edu/fisheries

The Program
Students completing this program will have demonstrated the ability to:
- provide a description of how physical and biological factors of aquatic ecosystems determine the distribution and abundance of fish populations and pose testable hypotheses and experiments to identify specific factors that constrain population growth or distribution
- select and implement basic data collection protocols appropriate for characterizing status of fish communities, including assessment of species composition, abundance, and population structure (age, size, genetic)
- convey scientific concepts in written, oral, and visual communication formats, including following basic guidelines for format and structure of scientific reports, papers, or presentations
- describe and explain how fisheries management problems can be expressed as quantitative models, produce useful tabular and graphic summaries of quantitative data, and conduct simple tests of statistical hypotheses
- describe the scientific, legal, political, and social factors that determine goals for fisheries management and conservation, and to identify appropriate management strategies that can be used to achieve these goals
- critically evaluate their own fisheries work as well as fisheries data, information, and conclusions reported in published peer-reviewed literature, unpublished technical reports, and popular media.

The overall goal of the Fisheries Biology Program is to provide students with the knowledge, skills, and motivation required to ensure the conservation of fish and aquatic resources that are faced with increasing societal demands and increasing loss of habitat. We stress development of a field-based understanding of the relationships between freshwater and marine fishes and the habitats upon which they depend, but our program is broad enough to provide specialized training in fish population dynamics and fishery management, restoration ecology, systematics, marine and freshwater aquaculture, fish health management, water pollution biology, and wastewater utilization. Each of these areas has its own important role to play in the overall conservation of fish resources.

Fisheries Biology students have on-campus facilities for hands-on studies: a recirculating freshwater fish hatchery, rearing ponds, spawning pens, and modern laboratories for study of fish genetics, pathology, taxonomy, ecology, and age and growth. Also on campus is the California Cooperative Fish & Wildlife Research Unit, supported by both state and federal government, and a large fish museum collection.

Off campus, students take classes and carry out research projects at the university’s marine laboratory in Trinidad, about 12 miles north of campus. A 90’ university-owned ocean-going vessel, docked in Eureka, is available for classes and for faculty and graduate student research in nearshore ocean waters. Numerous small boats and a specialized electrofishing boat are available for instruction and research in local bays, lagoons and estuaries.

Our graduates may qualify for certification by the American Fisheries Society as Associate Fisheries Scientists, and many continue their education after HSU, receiving MS or Ph.D. degrees in fisheries biology or other closely related fields.

Possible careers: aquarium curator; aquatic biologist, biological technician, environmental specialist, fish culturist, fish health manager; fisheries biologist, fisheries consultant, fisheries geneticist, fisheries modeler; fisheries statistician, hydrologist, museum curator; reservoir manager, restoration ecologist, sewage treatment water analyst, water quality advisor.

Preparation
We recommend that high school students interested in fisheries biology take as many challenging biology, chemistry, mathematics, and computer classes as possible, and that they also stress oral and written communications.

Requirements for the Major
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82. “The Master’s Degree” section of the catalog, pp. 83-84.

The Upper Division Area E General Education requirement is met by the coursework within the Bachelor of Science degree for either concentration in the Fisheries Biology major:

Unit Requirements
Core units: 49-53
Concentration units: 22-24
Total units in the major: 71-77
Total units required for the degree: 120

Core Courses (49-53 units)
The following core courses are required for all fisheries biology majors.

Lower Division

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 107</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>FISH 260</td>
<td>Fish Conservation &amp; Mgmt.</td>
<td>3</td>
</tr>
<tr>
<td>STAT 109</td>
<td>Introductory Biostatistics</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 110</td>
<td>Introductory Zoology</td>
<td>4</td>
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</tbody>
</table>

Complete one mathematics option below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 101</td>
<td>College Algebra and</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101T</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101i</td>
<td>College Algebra with Integrated Support and</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101T</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 102</td>
<td>Algebra &amp; Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Calculus for the Biological Sciences &amp; Natural Resources</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete one physical science option below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 128</td>
<td>Introduction to Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 109</td>
<td>General Geology</td>
<td>4</td>
</tr>
<tr>
<td>PHYX 106</td>
<td>College Physics: Mechanics &amp; Heat</td>
<td>4</td>
</tr>
<tr>
<td>OCN 109</td>
<td>General Oceanography and</td>
<td>3</td>
</tr>
<tr>
<td>OCN 109L</td>
<td>General Oceanography Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Upper Division

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FISH 310</td>
<td>Ichthyology</td>
<td>4</td>
</tr>
<tr>
<td>FISH 311</td>
<td>Fish Physiology</td>
<td>3</td>
</tr>
<tr>
<td>FISH 314</td>
<td>Fishery Science Communication</td>
<td>3</td>
</tr>
<tr>
<td>FISH 380</td>
<td>Techniques in Fishery Biology</td>
<td>3</td>
</tr>
<tr>
<td>FISH 460</td>
<td>Adv. Fish Conservation &amp; Management</td>
<td>3</td>
</tr>
</tbody>
</table>
Complete one quantitative course from:
FISH 358 [4] Fisheries Data Analysis  
FISH 458/FISH 558 [4] Fish Population Dynamics

Concentrations (22-24 units)
Complete one of the following concentrations to fulfill the requirements of the major.

Aquaculture Concentration (22 units)
FISH 471 [3] Fish Diseases  

Approved Electives *
Complete 9 units, including at least two courses from the following list. [General Education classes may not be used as approved electives].
FISH 410/FISH 510 [3] Topics in Advanced Ichthyology  
FISH 434 [4] Ecology of Freshwater Fish  
FISH 458/FISH 558 [4] Fish Population Dynamics

Freshwater Fisheries Concentration (24 units)
FISH 320/FISH 320L [3/1] Limnology  
FISH 434 [4] Ecology of Freshwater Fish  

Approved Electives *
Complete 9 units, including at least two courses from the following list. [General Education classes may not be used as approved electives].
FISH 410/FISH 510 [3] Topics in Advanced Ichthyology  
FISH 471 [3] Fish Diseases  

One other course approved by your advisor.

REQUIREMENTS FOR THE MINOR
Unit Requirement: 14-15

Required Courses
FISH 310 [4] Ichthyology  

Complete one of the following pathways:
FISH 320 [3] Limnology and  
FISH 320L [1] Limnology Practicum, or  

FISH 434 [4] Ecology of Freshwater Fish  
OCN 109 [3] General Oceanography and  
OCN 109L [1] General Oceanography Lab  

One other course approved by your advisor.

* Alternative sets of approved electives may be approved under exceptional circumstances. Discuss with your advisor.
Forestry

Bachelor of Science degree with a major in Forestry —
with concentrations in:
- Forest Hydrology
- Forest Operations
- Forest Restoration
- Forest Soils
- Tribal Forestry
- Wildland Fire Management

Minor in Fire Ecology
Minor in Forestry
Minor in Watershed Management

See Natural Resources for details on the Master of Science degree.

Department Chair
David F. Greene Ph.D.

Department of Forestry and Wildland Resources
Forestry Building 205
707-826-3935
fw4humboldt.edu

The Program

Students completing this program will have demonstrated:
- understanding of taxonomy, autecology of trees, plant and wood identification; physiology of trees; ecological concepts, ecosystem processes, structure and function; soil formation, classification, composition, and properties; silvicultural principles, stand structure and composition; growth and quality of forests and forest health; fire ecology and use of fire; entomology and pathology, wildlife and fish ecology, plant, soil, water interactions, watershed processes, land measurement, mapping, photogrammetry, remote sensing; sampling theory and methods, statistical literacy; measurement of trees, forests, and forest products, wildlife habitat assessment; measurement of water yields and quality; assessment of non-timber forest values; integrated forest management, multiple-use principles; stand scale management, system and landscape management; forest engineering and road design; harvesting systems; utilization; policy development, sociological influences; administration, environmental regulation; land and resource planning; budgeting, finance, personnel management, cost, and economics
- capable practice of critical thinking; writing; quantitative thinking; public speaking, debate and persuasion; leadership; group cooperation; conflict resolution; time management; professional integration; independent life-long learning; computer literacy and skills
- the attributes of adaptability; integrity; open-mindedness; professional decorum.

Humboldt State University is located in the heart of the coast redwood forest. This environment provides outdoor classrooms for more than half of the forestry courses. Field trips illustrate lecture concepts and teach field techniques.

Excellent on-campus laboratories complement the outdoor lab. Students have access to the college forest, the Schatz Tree Farm, public and private forest lands, and various production centers. Because Humboldt County also has a large forest products industry, Humboldt State is an excellent place to study the resolution of environmental issues with economic concerns.

Students and faculty interact with professional forest managers and researchers of the region both in the classroom and in the field.

Forestry is an incorporative discipline, drawing from the biological, physical, social, and managerial sciences. The curriculum aids in understanding the biological complexities of the forest and the interactions between the forest and social and economic demands.

The program provides sufficient background and depth of education to give a sound basis for professional growth within a broad range of forestry-related careers. Our graduates often start as forest rangers, park rangers, fire fighters, timber cruisers, or surveyors. Some hold staff positions in the federal and state agencies, forest products industry, or with environmental organizations. Graduates go on to build careers in: wildland fire management, forest management, forest protection, park management, watershed management, forest biology, forest engineering, industrial management, resource planning, forest restoration, and research and education.

Visit our webpage at fw4.humboldt.edu.

Preparation

In high school, take a broad background. Biological/physical sciences, mathematics, social sciences, and the arts are helpful.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog.
Concentrations
Complete one concentration to fulfill the requirements of the major:

Forest Hydrology Concentration (29 units)
See core courses.

Lower Division
GEOL 109 (4) General Geology
GSP 216 (3) Intro to Remote Sensing
GSP 270 (3) Geographic Information Science (GIS)
MATH 105 (3) Calculus for the Biological Sciences & Natural Resources
PHYS 106 (4) College Physics: Mechanics & Heat, or
PHYS 109 (4) General Physics A: Mechanics

Upper Division
FOR 471 (3) Forest Administration & Ethics
GEOL 306 (3) General Geomorphology
SOIL 467 (3) Soil Physics
WSHD 333 (3) Wildland Water Quality, or
WSHD 424 (3) Watershed Hydrology

This program meets the qualifications for “Forester” and for “Hydrologist” in federal employment.

Forest Restoration Concentration (29 units)
See core courses.

Lower Division
GSP 216 (3) Intro to Remote Sensing
GSP 270 (3) Geographic Information Science (GIS)
FOR 321 (3) Fire Ecology

Upper Division
FISH 300 (3) Intro to Fishery Biology, or
RRS 306 (3) Wildland Resource Principles
FOR 430 (3) Forest Ecosystems
FOR 471 (3) Forest Administration & Ethics
FOR 475 (3) Forest Management Decision Making
FOR 476 (2) Advanced Forest Management

Complete one of the following courses.
FOR 423 (3) Wildland Fuels Management
FOR 431 (3) Forest Restoration
WSHD 458 (3) Climate Change & Land Use

This program meets the qualifications for “Forester” in federal employment.

Forest Operations Concentration (29 units)
See core courses.

Lower Division
GSP 216 (3) Intro to Remote Sensing
GSP 270 (3) Geographic Information Science (GIS)

Upper Division
FOR 350 (3) Forest Harvesting Systems
FOR 353 (3) Forest Road Location & Design
FOR 423 (3) Harvesting Systems Design & Cost Analysis
FOR 471 (3) Forest Administration & Ethics
FOR 475 (3) Forest Management Decision Making
FOR 476 (2) Advanced Forest Management

Complete two of the following courses.
BOT 394 (3) Forest Pathology
ESM 425 (3) Environmental Impact Assessment
FOR 350 (3) Forest Harvesting Systems
FOR 353 (3) Forest Road Location & Design
FOR 374 (3) Wilderness Area Management
FOR 423 (3) Wildland Fuels Management
FOR 431 (3) Forest Restoration
GSP 370 (3) Intermediate Geographic Information Science (GIS)
RRS 430 (3) Wildland Restoration & Development
SOIL 468 (3) Intro to Agroforestry
WSHD 424 (3) Watershed Hydrology
WSHD 458 (3) Climate Change & Land Use

This program meets the qualifications for “Forester,” “Soil Scientist,” and “Soil Conservationist” in federal employment.

Tribal Forestry Concentration (31 units)
See core courses.

Lower Division
ANTH 105 (3) Archaeology and World Prehistory
NAS 104 (3) Introduction to Native American Studies
NAS 200 (3) Indigenous Peoples in US History
GSP 216 (3) Intro to Remote Sensing, or

Upper Division
FISH 300 (3) Intro to Fishery Biology
FOR 321 (3) Fire Ecology
NAS 331 (3) Indigenous Natural Resource Management Practices
NAS 361 (3) Tribal Sovereignty, Tribal Citizens, or
NAS 362 (3) Tribal Governance & Leadership

Complete two of the following courses.
NAS 364 (4) Federal Indian Law I, or
NAS 365 (4) Federal Indian Law II
NAS 468 (3) Tribal Justice Systems, or
NAS 325 (3) Native Tribes of California

This program meets the qualifications for “Forester” in federal employment.
Wildland Fire Management Concentration (29 units)

See core courses.

Lower Division

GSP 216 (3) Intro to Remote Sensing
GSP 270 (3) Geographic Information Science (GIS)

Upper Division

FISH 300 (3) Intro to Fishery Biology, or
RRS 306 (3) Wildland Resource Principles
FOR 321 (3) Fire Ecology
FOR 323 (3) Wildland Fire Behavior & Use
FOR 423 (3) Wildland Fuels Management
FOR 424 (3) Wildland Fire Internship
FOR 471 (3) Forest Administration & Ethics
FOR 476 (2) Advanced Forest Management

Complete one of the following courses.
FOR 431 (3) Forest Restoration
FOR 475 (3) Forest Management Decision Making
GSP 370 (3) Intermediate Geographic Information Science (GIS)
RRS 370 (3) Wildland Ecology Principles
WSHD 458 (3) Climate Change & Land Use

This program meets the qualifications for "Forester" in federal employment.

REQUIREMENTS FOR THE MINORS

Fire Ecology Minor
Total units required for the minor: 15

Required Courses

FOR 130 (3) Dendrology, or an approved course in plant taxonomy
FOR 131 (3) Forest Ecology, or an approved course in ecology
FOR 321 (3) Fire Ecology
FOR 323 (3) Wildland Fire Behavior & Use
FOR 423 (3) Wildland Fuels Management

Forestry Minor

Total units required for the minor: 16

Required courses

FOR 130 (3) Dendrology
FOR 131 (3) Forest Ecology
FOR 210 (4) Forest Measurements and Biometry
FOR 315 (3) Forest Management

Complete one of the following four courses.

FOR 302 (3) Forest Ecosystems & People
FOR 321 (3) Fire Ecology
FOR 374 (3) Wilderness Area Mgmt.
FOR 431 (3) Forest Restoration

Watershed Management Minor
See Watershed Management
Bachelor of Arts degree with a major in French & Francophone Studies

Minor in French & Francophone Studies

Program Leader
Matthew Dean, Ph.D.

Department of World Languages & Cultures
Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
wlc.humboldt.edu

The Program

Students completing this program will have demonstrated:

- analysis, acknowledgement, and respect of cultural expressions and worldviews of others
- the capacity to be responsible, productive and compassionate global citizens in a fragile world
- cultural and linguistic competency
- the ability to collaboratively formulate and solve problems
- independent and critical thinking.

The French and Francophone Studies major emphasizes the use of the French language through a curriculum that closely relates the classroom to the Francophone world; that is, everywhere that French is spoken. Creating a personal environment, French-speaking faculty and students participate in film, creative writing, and cultural workshops and retreats. In small classroom settings students study the literature and culture of France and expand their horizons to cultures of such Francophone regions as West Africa, North Africa, Quebec, Louisiana, the Caribbean, and Vietnam. Visiting literary critics, artists, consular officials, and guests from various regions of the French-speaking world complement classroom studies. Videos, films, and computer software are integral to the program on the HSU campus.

The program prepares students to read, understand, speak, and write the French language with advanced proficiency and to understand the rich fabric of Francophone cultures throughout the world. Courses focus on different themes each year, allowing students to gain an in-depth understanding of issues particularly relevant to their academic goals and future careers.

Students in the major are required to study abroad in France or in a Francophone country. There are many outstanding opportunities to complete this requirement in a meaningful way.

Throughout the world, French is one of the most significant languages of diplomacy, communication, and culture. At the same time, our French program recognizes that in the Francophone world, other languages and indigenous cultures have valuable alternative perspectives important for our students, as future national and global leaders, to understand and consider. For this reason, majors are also encouraged to study a second language spoken in a Francophone region, such as Arabic, Wolof, Pulaar, or Creole.

Career possibilities. French and Francophone studies majors can work nationally and internationally in the following areas: non-governmental organization official or employee, interpreter, teacher; ESL teacher; foreign service diplomat, United Nations employee, foreign correspondent, travel agent, airline employee, international business person or banker, literary translator, Francophone country tour guide, museum curator (in conjunction with art history studies), import/export business owner. In the new global economy, many other careers also demand the intercultural expertise acquired by French and Francophone studies majors.

The program prepares students to take advantage of many opportunities for volunteering in international organizations such as the Peace Corps.

Special Scholarship and Awards. The Department of World Languages and Cultures has three permanent scholarships and awards:

- The Benevides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Budig-Markin Family Francophone African Studies Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. See the department web page for further information.

Preparation

All students, with or without any previous French language background, are welcome to the program. Students without previous French language background will have the opportunity to acquire the language from the beginning, following the language course sequence: FREN 105, FREN 106, FREN 107, and FREN 207. Students with prior language background will have a head start on the major. Discuss your particular level with a faculty advisor.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

NOTE: All courses are taught in the target language except as noted.

Unit Requirements

Total units in the major: 42

(includes required courses, major electives and study abroad)

Total units required for the degree: 120

Required Courses (24-28 units)

Lower Division

FREN 107 (4) French Level III
FREN 207 (4) French IV & Intro to Francophone Studies

Upper Division

FREN 310 (2-4) Nouvelles en francais: Variable Topics
FREN 311 (4) French V & Stories from the Francophone World
FREN 312 (4) Cultural History Topics in Early French Masterpieces (Rep)
FREN 314 (4) Cultural History Topics in Early French Masterpieces (Rep)
FREN 340 (2-4) Topics in Francophone Culture (Rep)

Major Elective Courses (14-18 units)

Complete as many elective courses as needed to meet the minimum 42 units required for the major:

FREN 280 (2-3) French Conversation & Retreat (Rep)
FREN 300* (3-4) African Storytelling

* Course taught in English.
** Course taught in French or English.
(Rep) Course may be repeated for the major.
FREN 306 */GERM, SPAN, WS 306* (3)
Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories
FREN 341* *(2) Current Event Topics in the Francophone World (Rep)
FREN 370 (1) French Weekend Retreat
FREN 390* (1-2) Topics in Cinema of the Francophone World (Rep)
FREN 420 (1-3) French Peer Tutoring
FREN 480 (1-4) Special Topics
FREN 492 (3) Senior Honors Tutoring
FREN 499 (1-4) Directed Study

Required Study Abroad
Complete an approved academic semester program abroad in France or in a Francophone country, equivalent to at least 12 units and normally lasting at least 10 weeks. Students are encouraged to efficiently plan their academic residency abroad to complete major and general education requirements. Program must be selected in consultation with and approved by the major advisor. Students are expected to complete their final semester in residence at Humboldt State University.

Students may study abroad for one summer semester, a regular semester, or one academic year with such programs as the HSU faculty-led programs, the HSU Bilateral Exchange Program at the Université Paul Valéry Montpellier, France; CSU International Programs (IP) study abroad in Aix-en-Provence or Paris; or a semester program in Senegal. Study Abroad languages may be French, Arabic, Wolof, Pulaar, or another Francophone African or Caribbean language.

Cost of residency abroad varies according to program and world region. Be sure to understand the costs involved and plan ahead. Consult with the HSU Center for International Programs.

Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

Requirements for the Minor
The minor emphasizes French language proficiency as well as Francophone cultural studies appropriate to the individual student's academic and career objectives.

Total units required for the minor: 20

Required Courses (16 units)
FREN 107 (4) French Level III
FREN 207 (4) French IV & Intro to Francophone Studies
FREN 311 (4) French V & Stories from the Francophone World
FREN 312 (4) French VI and (R)evolution in Modern French Literature

Upper Division Elective Courses (4 units)
Complete an additional 4 units of upper-division French & Francophone Studies coursework selected with the approval of the minor advisor.
Bachelor of Arts degree with a major in Geography

Minor in Geography

Department Chair
Matthew Derrick, Ph.D.

Department of Geography, Environment & Spatial Analysis
Founders Hall 109
707-826-3946
humboldt.edu/geography

The Program
Students completing this program will have demonstrated the ability to:
- collect data; know where to acquire such and what technology should be employed
- layout and design best geographics
- develop and apply information literacy
- understand causes and implications of spatial interactions and movement patterns
- demonstrate skills and competencies of geographic traditions
- analyze, synthesize, and interpret spatial information
- apply geographic thinking in real-world contexts
- analyze and/or appraise real-world societal issues.

We offer a high-quality, award-winning undergraduate program incorporating a wide range of courses in human and physical geography, as well as cartography and geospatial techniques. Students obtain a strong geographic foundation through a sequence of introductory classes, along with a skills-based methodology course and research lab. Geographic concepts, ideas, and skills are developed and mastered in upper-division regional, systematic, and in-depth geography courses. Our majors further develop and demonstrate geographic mastery through a research-based senior capstone. While our program is designed to ensure breadth in geographic education, students may focus their education by specializing in one of the department’s three emphasis areas of systematic geography:
- The Human World
- The Physical Environment
- Geospatial Systems

The department upholds a strong tradition of field study, including exploration of local communities, the Cascades, the Sierra Nevada, and other landscapes of the American west, as well as linkages to overseas programs.

Preparation
In high school take history, government, mathematics, science. Studying a foreign language is recommended.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Total required for major: 41-46
Total units required for the degree: 120

Special Grade Requirement
Students must earn a minimum grade of C- in all required courses for the major.

Geographic Foundation [14 units]
The following six foundation courses are required:
- GEOG 105 (3) Human Geography
- GEOG 106 (3) Physical Geography
- GEOG 105L (1) Physical Geography Lab
- GSP 101L (1) Geospatial Concepts Lab
- GEOG 310L (1) Geographic Research Lab
- Select one methodology course:
  - GEOG 311 (3) Geographic Research & Writing, or
  - ESM 230 (3) Environmental Methods* (Prereq: STAT 109 (4))

Regional Synthesis [3-4 units]
Select one of the regional courses below:
- GEOG 319 (4) Emergence of the Modern Middle East
- GEOG 322 (3) California
- GEOG 332 (3) Geog. of the Mediterranean
- GEOG 335 (3) Geog. of the Middle East
- GEOG 376 (3) Tibet and the Himalaya
- GEOG 472 (3) Topics in Reg. Geography

Systematic Geography [18-22 units]
Six systematic geography courses are required, including one course from each of the systematic emphasis areas [the Human World, the Physical Environment, Geospatial Systems]. Students may specialize in one area of systematic geography by taking at least two of the remaining three required systematic courses in one emphasis area.

The Human World
- GEOG 300 (3) Global Awareness
- GEOG 301 (3) International Environmental Issues & Globalization
- GEOG 304 (3) Migrations & Mosaics
- GEOG 360 (3) Geography of the World Economy
- GEOG 365 (3) Political Geography
- GEOG 475 (4) Political Ecology
- GEOG 470 (3) Topics in Geography for Teachers
- GEOG 471 (3) Topics in Human Geography

The Physical Environment
- GEOG 302 (3) Global Ecology and Biogeography
- GEOG 352 (3) Weather, Climate, and Natural Hazards
- GEOG 353 (3) Mountain Geography
- GEOG 357 (3) Climate Change, Ecosystems, and People
- GEOG 473 (3) Topics in Physical Geography
- GEOG 306 (3) General Geomorphology
- WSHD 310 (4) Hydrology and Watershed Management

Geospatial Systems
- GSP 216 (3) Intro to Remote Sensing
- GSP 270 (3) Geographic Information Science (GIS)
- GSP 316 (4) Cartography
- GSP 318 (3) Introduction to Geospatial Programming
- GSP 326 (3) Intermediate Remote Sensing
- GSP 370 (3) Intermediate GIS
- GSP 416 (4) Advanced Cartography Design Seminar

Depth Experience (2 units)
Select a minimum of two upper division depth experience courses:
- GEOG 302M (1) Global Ecology and Biogeography D.E.
- GEOG 304M (1) Migrations & Mosaics D.E.
- GEOG 322M (1) California D.E.
- GEOG 332M (1) Geog. Mediterranean D.E.
- GEOG 352M (1) Weather, Climate, and Natural Hazards D.E.
- GEOG 353M (1) Mountain Geography D.E.
- GEOG 357M (1) Climate Change, Ecosystems, and People D.E.

*Recommended for students who wish to specialize in the physical environment.
1 Course requires a prerequisite that is not required elsewhere in the major.
GEOG 363M (1) Political Geography D.E.
GEOG 471M (1) Topics in Human Geography D.E.
GEOG 472M (1) Topics in Regional Geography D.E.
GEOG 473M (1) Topics in Physical Geography D.E.

**Senior Capstone (4 units)**
The following capstone course is required.
GEOG 411 (4) Senior Field Research

**REQUIREMENTS FOR THE MINOR**

Total units required for the minor: 15

**Special Grade Requirement**

Students must earn a minimum grade of C- in all required courses for the minor.

**Geographic Foundations (6 units)**

*Complete two of the following three options within the geographic foundation.*

GSP 101 (2) Geospatial Concepts  
GSP 101L (1) Geospatial Concepts Lab  
GEOG 105 (3) Human Geography  
GEOG 106 (3) Physical Geography

**Upper Division Electives (9 units)**

*Complete at least three upper division electives approved by the department chair:*
Bachelor of Science degree with a major in Geology

Bachelor of Arts degree with a major in Geology — with a concentration in Geosciences

Minor in Geology

See Environmental Systems for details on the Master of Science degree.

Department Co-Chairs
Brandon L. Brown, Ph.D.
Mark Hemphill-Haley, Ph.D.

Department of Geology
Founders Hall 7
707-826-3931
humboldt.edu/geology

The Program

The geology program provides students with a solid foundation in Earth system science, how the Earth and its processes affect humans, and how human activities affect the Earth.

Students completing this program will:

• understand the fundamental concepts of Earth's many systems
• be able to find, analyze, and assess scientifically credible information about the Earth in both printed and electronic forms
• communicate about Earth science in a meaningful way both verbally and in writing
• be able to make informed and responsible decisions regarding the Earth and its resources
• possess the skills and background to gain employment and/or admission to graduate studies in the Earth sciences.

The BS degree in geology is recommended for students who plan to seek work as professional geologists [e.g., engineering geology, hydrology, environmental geology, natural resource geology] and/or enter graduate school in the geosciences. The BA degree in geology with a concentration in geoscience is aimed toward students who are interested in careers or pursuing graduate work in broader fields of environmental science, hazard/resource management and planning, environmental policy, and teaching. The second discipline provides greater breadth and expertise in an additional field.

Humboldt’s setting provides a natural laboratory to study earthquakes, tsunamis, mountain building, landsliding, river processes, natural mineral and metal resources, volcanism, and rapid coastal erosion. The area also contains good exposures of nearshore marine deposits and fossils recording the late Cenozoic history of the region. Students frequently take field trips to surrounding areas both along the coast and inland. Geology majors may also pursue a thesis project under the supervision of a faculty mentor.

At Humboldt, you will also be able to use research tools including petrographic microscopes, scanning electron microscope, geophysical exploration equipment and a real-time kinematic GPS unit. Employers seek out Humboldt geology graduates because of their competence in the field and rigorous scientific background.

Career opportunities include positions with local/state/federal government scientific and resource management agencies, geotechnical and environmental consulting firms, nonprofit conservation agencies, and universities/colleges/K-12 schools. Job titles of Humboldt geology graduates include: geologist, petrologist, volcanologist, consultant, technical writer or editor, seismologist, emergency manager, hazards mitigation specialist, field geologist, marine geologist, hydrologist, geomorphologist, museum curator, and science teacher.

Preparation

Students will be most successful if they take mathematics, chemistry, physics, biology and any environmental studies in high school if available. Students need to be able to write and speak effectively in English and are expected to be proficient in computer applications.

REQUIREMENTS FOR THE MAJOR
(Bachelor of Science)

For a description of degree requirements to be fulfilled in addition to those listed below, see "The Bachelor's Degree" section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 69-70
Total units required for the degree: 120

Lower Division

CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II

GEOL 109 (4) General Geology

GEOL 210 (3) Earth Systems History

MATH 109 (4) Calculus I
MATH 110 (4) Calculus II

Complete one of the following:

MATH 210 (4) Calculus III
STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support and corequisite: STAT 8 [1 unit]

STAT 109 (4) Introductory Biostatistics

Complete one of the following two-semester physics series:

PHYX 106 (4) College Physics: Mechanics & Heat and Thermodynamics
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics

PHYX 109 (4) General Physics A: Mechanics and Waves & Optics

PHYX 210 (4) General Physics B: Thermodynamics, Waves & Optics

Upper Division

GEOL 306 (3) General Geomorphology

GEOL 312 (4) Earth Materials

GEOL 314 (4) Petrology

GEOL 322 (4) Sedimentary Geology

GEOL 334 (4) Structural Geology

GEOL 335 (2) Geologic Field Methods I

GEOL 435 (2) Geologic Field Methods II

GEOL 475 (4) Geology Field Camp

GEOL 486 (1) Research Methods

Complete 5 units of approved upper division geology areas of specialization, including at least one of the following:

GEOL 457 (3) Engineering Geology

GEOL 460 (3) Solid Earth Geophysics

GEOL 474 (3) Volcanology

GEOL 482 (1-3) Instrumental Methods in Geology

GEOL 490 (1) Senior Thesis

GEOL 492 (2) Senior Thesis Project

GEOL 524 (3) Methods of Geochronology

GEOL 531 (1-3) Advanced Physical Geology

GEOL 550 (3) Fluvial Processes

GEOL 551 (3) Hillside Processes

GEOL 554 (4) Quaternary Stratigraphy

GEOL 555 (2) Advanced Geology Field Methods

GEOL 556 (4) Hydrogeology

GEOL 561 (3) Applied Geophysics

REQUIREMENTS FOR THE MAJOR
(Bachelor of Arts)

Geosciences Concentration

Unit Requirements

Total units in the major: 67-68
Total units required for the degree: 120
Lower Division (24-25 units)

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<td>General Chemistry I</td>
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<td>GEOL 109</td>
<td>4</td>
<td>General Geology</td>
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<td>GEOL 110</td>
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<td>Field Geology of the Western US</td>
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<td>GEOL 210</td>
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<td>Earth Systems History</td>
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<td>MATH 109</td>
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Complete one of the following:

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<th>Units</th>
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<td>STAT 108i</td>
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<td>Elementary Statistics with Integrated Support   [Coreq: STAT 8]</td>
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Upper Division (31 units)

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<td>GEOL 300L</td>
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<td>Geology of California Field Trip</td>
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<td>GEOL 306</td>
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<td>Geology Colloquium</td>
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<td>GEOL 486</td>
<td>1</td>
<td>Research Methods</td>
</tr>
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Complete one of the following:

- GEOL 303   | 3     | Earth Resources & Global Environmental Change   |
- GEOL 308   | 3     | Natural Disasters                                |

Upper Division Elective Courses

Complete 5 units of approved upper division geology courses.

Second Discipline (12 units)

Complete at least 12 units of department approved courses within a discipline outside of the geology discipline (e.g., business chemistry, geospatial analysis). Students are encouraged, though not required, to pursue a minor in one of these fields so as to broaden technical skills and expertise.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 17-18

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 109</td>
<td>4</td>
<td>General Geology</td>
</tr>
<tr>
<td>GEOL 110</td>
<td>1-2</td>
<td>Field Geology of the Western US</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>3</td>
<td>Earth Systems History</td>
</tr>
<tr>
<td>GEOL 306</td>
<td>3</td>
<td>General Geomorphology</td>
</tr>
<tr>
<td>GEOL 335</td>
<td>2</td>
<td>Geologic Field Methods I</td>
</tr>
</tbody>
</table>

One of the following four options.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 300</td>
<td>3</td>
<td>Geology of California</td>
</tr>
<tr>
<td>GEOL 300L</td>
<td>1</td>
<td>Geology of California Field Trip</td>
</tr>
<tr>
<td>GEOL 303</td>
<td>3</td>
<td>Earth Resources &amp; Global Environmental Change</td>
</tr>
<tr>
<td>GEOL 306</td>
<td>3</td>
<td>General Geomorphology</td>
</tr>
<tr>
<td>GEOL 308</td>
<td>3</td>
<td>Natural Disasters</td>
</tr>
</tbody>
</table>

One of the following:

- GEOL 312   | 4     | Earth Materials                                  |
- GEOL 332   | 4     | Sedimentary Geology                              |
Minor in Geospatial Analysis

This program prepares students to apply the technologies of geographic information systems, cartography, and multispectral remote sensing, to various disciplines. These cross-disciplinary research tools analyze and portray data across time and geographic space. Although offered through the departments of Environmental Science & Management, Forestry, and Geography, each course carries the GSP [Geospatial] prefix.

Advisors
Nicholas Perdue
Founders Hall 134
707-826-4115
Nicholas.Perdue@humboldt.edu

Dr. James Graham
NR 217
707-826-3823
James.Graham@humboldt.edu

The Program
Geospatial technologies portray and analyze geographic location and characteristics of physical and human environments. Applying these software technologies, geospatial data is layered and analyzed to understand and communicate complex phenomena such as natural disasters, environmental impact, land coverage change, migrating populations, crime patterns, global warming, and changing economic trends. Geospatial analysis skills are applicable to a growing list of professions, and increasingly sought after by employers.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 16

Special Grade Requirement
Complete all courses in the minor with a C- or better, and maintain a 2.00 or better GPA in the minor.

GSP 316 [4] Cartography
GSP 318 [3] Geospatial Programming I, or
GSP 326 [3] Intermediate Remote Sensing, or
GSP 370 [3] Intermediate GIS, or

Additional Information on GSP Courses & Departments
Because Geospatial Analysis skills are applicable to many different fields of inquiry, GSP courses are offered by three different departments. Some programs offer Geospatial options within their major and are integrated into curricula as major options. Below is a list of all GSP courses at HSU organized by the departments that offer them.

Department of Environmental Science & Management
Natural Resources Building 200
707-826-4147
environment.humboldt.edu

GSP 270 Geographic Information Science (GIS)
GSP 318 Geospatial Programming I
GSP 330 Mobile Mapping
GSP 370 Intermediate GIS
GSP 418 Geospatial Programming II
GSP 470 Advanced Geospatial Analysis & Modeling
GSP 570 Advanced Geospatial Analysis & Modeling

Department of Forestry & Wildland Resources
Forestry Building 205
707-826-3935
fwr.humboldt.edu

GSP 216 Introduction to Remote Sensing
GSP 326 Intermediate Remote Sensing
GSP 436 Advanced Remote Sensing

Department of Geography, Environment & Spatial Analysis
Founders Hall 109
707-826-3946
geography.humboldt.edu

GSP 101 Geospatial Concepts
GSP 101L Geospatial Concepts Lab
GSP 280 Special Topics in GSP
GSP 316 Cartography
GSP 416 Advanced Cartography Design Seminar
GSP 426 Cartography Practicum
Minor in German Studies

Program Leader
Matthew Dean, Ph.D.

Department of World Languages & Cultures
Behavioral & Social Sciences 206
707-826-3226, fax 707-826-4320
wlc.humboldt.edu

The Program
Students take language classes in a dynamic, student-centered environment that highlights language acquisition as well as cultural sensitivity for the heritage of the German-speaking nations. Beginning students acquire the ability to speak, understand, read, and write in German with reasonable fluency.

Study Abroad Options. Students have the opportunity to study abroad with the CSU International Programs in Germany. Students are encouraged to officially plan an academic residency abroad when possible. The cost of the residency abroad varies according to the program and world region. Students should understand the costs involved and plan ahead. Consult with the HSU Center for International Programs.

Possible careers. Careers in the USA, Europe and other countries include artist, musician, web designer, teacher, ESL teacher, international banker, lawyer, or financier, interpreter, travel agent, tour guide, export/import employee, foreign service officer, foreign correspondent, or work in non-governmental organizations.

Special Scholarship and Awards. The Department of World Languages and Cultures has three permanent scholarships and awards:
- The Benavides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. See the department web page for further information.

Preparation
Students should have a good background in English grammar and syntax. While knowledge of German is welcome, it is not required.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 22

Required Courses (16 units)
GERM 107 (4) German Language & Culture III
GERM 207 (4) German Language & Culture IV
GERM 311 (4) German Level V [Rep]
GERM 312 (4) German Level VI [Rep]

Upper Division Electives (6 units)
Complete an additional 6 units selected from the following courses (depending upon interests and particular emphasis of the student), with at least one course from outside of the German program.

ART 301 (3) Topics in Western Art History [when appropriate]
ECGN 305 (3) International Economics & Globalization
ENGL 240 (4) World Literature [when appropriate]
GEOG 472 (1-4) Topics in Regional Geog. [when appropriate]
GERM 305 (3) Marx, Nietzsche, Freud & German Literature
GERM 306 (3) Sex, Class, and Culture: Gender & Ethnic Issues in International Short Stories
GERM 480 (1-4) Special Topics
GERM 499 (1-3) Directed Study
HIST 300 (3) The Era of World War I
HIST 301 (3) The Era of World War II
HIST 348 (4) Modern Germany
PHIL 343 (3) Kant & the 19th Century
PSQ 330 (4) Political Regimes & Political Change: Europe

Courses offered by various departments, often under the rubric of Special Topics, may be relevant and appropriate to the German Studies minor. Such courses will be approved by the German Studies faculty advisor on a case-by-case basis.

About Electives
The department encourages students to combine the study of German with their other academic interests. In addition to the courses listed above, students may use relevant courses from other disciplines as elective credit toward the minor in German Studies. For example: an art history class discussing German art topics; a geography class focused on Western Europe; history and political science classes in which German issues are a major part; or a philosophy class covering German philosophers. Consult with the German advisor about these electives.
Bachelor of Arts degree with a major in History

Bachelor of Arts degree with a major in History — with a concentration in Education

Minor in History
Department Chair
Suzanne Pasztor, Ph.D.

Department of History
Founders Hall 180
707-826-3641
history.humboldt.edu

The Program
Students completing this program will have demonstrated the ability to:

- Locate diverse types of historical evidence; evaluate credibility, position or perspective; and determine how to use appropriately
- Place primary and secondary sources in appropriate historical and historiographical context, with attention to the chronology, geography (local, national, and global), culture and methodology
- Develop a body of historical knowledge with range and depth that recognizes the causes and consequences of continuity and change over time
- Be able to understand and evaluate different perspectives and arguments, engaging with the ideas of other historians and citing them appropriately
- Create a research question, conduct effective and wide-ranging research to procure evidence, formulate a persuasive analytical argument, and communicate it effectively in a written or oral format
- Apply historical knowledge and analysis to contribute to contemporary social dialogue and to life-long learning and critical habits of mind essential to an effective and engaged citizenship.

This program is excellent preparation for a wide range of careers. The emphasis on broadly applicable skills such as research, writing, face-to-face communication, and critical thinking prepare graduates for any number of jobs. More specifically, history graduates are especially well suited to work not only as archivists, academic historians, public historians and curators, but also as diplomats, editors, law clerks, librarians, publicists, and writers. A history degree is also superb academic preparation for graduate studies in law, business, and many academic disciplines.

Preparation
In high school take history, English, geography, government, and foreign languages.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 67-82.

Unit Requirements
Total units in the major: 48
Total units required for the degree: 120

Special Grade Requirement
History majors must receive a C- or better in their major courses to pass.

Lower Division (16 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 110</td>
<td>3</td>
<td>U.S. History to 1877</td>
</tr>
<tr>
<td>HIST 111</td>
<td>3</td>
<td>U.S. History from 1877</td>
</tr>
<tr>
<td>HIST 210</td>
<td>4</td>
<td>Historical Methods</td>
</tr>
</tbody>
</table>

Complete two of the following courses:

- HIST 104 (3) Western Civilization to 1650
- HIST 105 (3) Western Civilization, 1650 to Present
- HIST 106B (3) Islamic Societies: The Making of the Muslim Middle East
- HIST 107 (3) East Asian History to 1644
- HIST 108 (3) East Asian Civilization Since 1644
- HIST 109 (3) Colonial Latin American History
- HIST 109B (3) Modern Latin America

Take HIST 210 before enrolling in upper division major courses

Upper Division (32 units)

Upper Division Areas (24 units)

Complete a minimum of 24 units selected from the area course lists below. At least one course must be selected from each area.

Special topics courses (HIST 391, HIST 392, HIST 393) may be used in the appropriate areas. See an advisor concerning HIST 311 and HIST 312.

European History Area Course List

- HIST 300 (3) Era of WWI, and
- HIST 300R (1) Era of WWII Research Seminar
- HIST 301 (3) Era of WWII, and
- HIST 301R (1) Era of WWII Research Seminar
- HIST 314 (4) Ancient Greek Civilization & History
- HIST 315 (4) History & Civilization of Rome
- HIST 322 (4) The Age of Knights & Monks
- HIST 342 (4) Musketiers, Witches, & Kings
- HIST 343 (4) French Revolution & Napoleon
- HIST 345 (4) Imperialism
- HIST 348 (4) Modern Germany
- HIST 349 (4) Renaissance & Reformation
- HIST 350 (4) History of the Soviet Union
- HIST 353 (4) Modern Britain
- HIST 382 (1-4) Special Topics in European History

US History Area Course List

- ECON 323 (3) Economic History of the U.S. and
- ECON 323D (1) Economic History of the U.S. Additional Depth
- HIST 368 (4) Colonial & Revolutionary America
- HIST 369 (4) The Age of Jefferson & Jackson
- HIST 371 (4) Civil War & Reconstruction
- HIST 372 (4) Rise of Modern America, 1877-1929
- HIST 374 (4) Contemporary America, 1929 to the Present
- HIST 375A (4) US Foreign Relations, 1789-1943
- HIST 375B (4) US Foreign Relations, 1943-Present
- HIST 383 (4) California History
- HIST 391 (1-4) Special Topics & Interdisciplinary Studies in History

World Regions History Area Course List

- HIST 319 (4) Emergence of the Modern Middle East
- HIST 323 (4) Gender & Sexuality in East Asian History
- HIST 324 (4) The Arab-Israeli Conflict: History, Narratives & Nationalism
- HIST 326 (4) History of Mexico
- HIST 327 (4) History of Brazil
- HIST 328 (4) Women & Gender in Latin America

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HIST 329 (4) Imperial China
HIST 338 (4) Modern Chinese History
HIST 339 (4) Modern Japanese History
HIST 377 (4) Vietnam Wars
HIST 393 (1-4) Special Topics in Non-Western History

Practicum Courses
Complete four 1-unit courses:
HIST 387 (1) Int’l Education Colloquium
HIST 394 (1) History Conference
HIST 395 (1) Classroom Observation for History Day
HIST 396 (1) Int’l Latino Film Seminar
HIST 397 (1) Weekend Workshop
HIST 398 (1) History Career Workshop
HIST 482 (1) Internship in History
HIST 491 (1) Mentoring

Capstone Course
HIST 490 (4) Senior Seminar

History Education Concentration (Social Science Education)
The Program
The History major with a concentration in Education prepares students to enter a Single Subject Secondary Education Credential program after they graduate with their B.A. degree. This is a major in History that prepares students to become Social Science teachers in California. In addition to history courses the student must also complete coursework in economics, geography, and politics. This coursework comprises the History Department’s Social Science Education waiver major, which waives the state requirement to take and pass the California Subject Examination for Teachers (CSET).

Unit Requirements
Total units in the major: 51
Total units required for the degree: 120

Special Grade Requirement
Majors must receive a C- or better in their major courses to pass.

Lower Division
HIST 110 (3) U.S. History to 1877
HIST 111 (3) U.S. History from 1877
HIST 210 (4) Historical Methods

Upper Division
World Survey
HIST 311 (3) World History to 1750
HIST 312 (3) World History from 1750

U.S. History
HIST 383 (4) California History
Complete at least 4 units selected from the US History area course list on the previous page.

European History or World Regions
Complete at least 7 units selected from the European History or World Regions History area course lists on the previous page.

Social Science Courses (4 units)
ECON 323 (3) Economic History of the US
GEOG 105 (3) Human Geography
PSCI 230 (3) Introduction to Comparative Politics
PSCI 303 (3) Third World Politics

Capstone Courses (4 units)
GEOG 470 (3) Topics in Geography for Teachers (fall only)
HIST 395 (1) Classroom Observation for History Day
HIST 420 (4) Interpreting History for Teachers (fall only)

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 22

Special Grade Requirement
History minors must receive a C- or better in their minor courses to pass.

Lower Division (10 units)
HIST 110 (3) U.S. History to 1877, or
HIST 111 (3) U.S. History from 1877
HIST 210 (4) Historical Methods
Complete one course:
HIST 104 (3) Western Civilization to 1650
HIST 105 (3) Western Civilization, 1650 to Present
HIST 106B (3) Islamic Societies: The Making of the Muslim Middle East
HIST 107 (3) East Asian History to 1644
HIST 108 (3) East Asian Civilization Since 1644
HIST 109 (3) Colonial Latin American History
HIST 109B (3) Modern Latin America

Upper Division (12 units)
Complete 12 units of upper division history electives.
INTERNATIONAL STUDIES

Bachelor of Arts degree with a major in International Studies
  – with concentrations in:
    Chinese Studies
    European Studies
    Latin American Studies
    Global Cultural Studies
    Third World Development Studies

Minor in International Studies

Program Leader
Alison Holmes, Ph.D.

International Studies Program
Founders Hall 180
707-826-4494; fax 707-826-4496
internationalstudies.humboldt.edu

The Program

The world’s biggest challenges are interconnected and the HSU International Studies Program helps students remain rooted in the community while becoming agents of change in the world.

A unique interdisciplinary program, International Studies has four distinct components: a core curriculum based on the cultural, political and economic aspects of globalization; proficiency in a second language; a concentration in one of five areas (China, Europe, Latin America, Global Culture, and Third World Development) and the equivalent of a semester study abroad.

These elements come together in a flexible combination of classroom instruction and direct experience with the regions and issues of interest and make HSU stand out as one of the few universities in the CSU system that can be found on the International Studies website.

Employers also regularly report language skills, intercultural awareness and study abroad as strong indicators of success in the workplace. This is why our graduates can be found in the international labor force in the US and abroad, working in the private sector; for nonprofits and commonly go on to serve in the Peace Corps. The program also provides a strong foundation for graduate work in many fields.

Students completing this major will have demonstrated:
  ● cultural competency in diverse international environments
  ● the ability to gather information and use interdisciplinary analysis skills to critically evaluate regional and global issues
  ● proficiency in formal written and oral communication
  ● skills required to build an international career.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 25-42
Concentration units: 12
Total units in the major: 37-54
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C- must be earned in all courses for the major or local equivalent while abroad.

Core Courses [25-46 units]

The following core courses are required for all international studies majors. The range of units includes up to five second language courses, which may be required depending on second language proficiency.

INTL 210 [4] Introduction to International Studies
INTL 220 [3] Introduction to Cultural Studies
PSOI 240 [3] Introduction to International Relations, or
GEOG 363 [3] Political Geography

Complete one methodology course.

ANTH 318 [4] Ethnography
[PreReq: ANTH 104]
GEOG 311 [3] Geographic Research and Writing
HIST 210 [4] Historical Methods
PSOI 295 [4] Political Research & Analysis

Complete the following courses.

INTL 320 [1] Career Workshop
INTL 387 [1] International Education Week Colloquium

INTL 490 [3] International Studies Capstone

Second Language [0-16 units]

Demonstrate proficiency in a target language pertinent to the concentration area, equivalent to a fourth semester or higher of college-level language. Meet this requirement by taking a fourth-semester-level language course.

This requirement can also be met by examination. Contact the Department of World Languages and Cultures for instructions.

Residency Abroad

Complete an approved academic semester program abroad equivalent to at least 12 units and normally lasting at least 10 weeks. Program must be selected in consultation with and approved by advisor.

In exceptional circumstances, the program leader may approve an accommodation based on an alternative experience that meets the residency abroad learning outcome. The procedure for requesting such an accommodation, along with the criteria, can be found on the International Studies website.

Residency abroad may begin during the second semester of a student’s sophomore year (generally spring) and must be completed by the end of the first semester of a student’s senior year (generally fall).

Residency abroad may not occur during a student’s last semester. Students are expected to complete their final semester in residence at Humboldt State University.

For some concentrations, courses taken abroad may be necessary to fulfill requirements. Concentration electives may also be completed while abroad. Both require prior advisor approval.

All students are encouraged to use their academic residency abroad efficiently by completing, where possible, language and university general education requirements.

The cost of the residency abroad varies according to the program and world region.

* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.
† Course requires a prerequisite that is not required elsewhere in the major.
Students should understand the costs involved and plan ahead. Consult with the HSU Center for International Programs office.

**Concentrations (12 units)**

*Complete one of the following concentrations to fulfill the requirements of the major.*

**Chinese Studies Concentration (12 units)**

*See core courses.*

*Complete three breadth courses and one or more special topics courses for a minimum of 12 units.*

**Breadth Areas**

- CHIN 109 [3] Intro to Chinese Studies
- GEOG 472 [3] Topics in Regional Geography *
- HIST 107 [3] East Asian Civilization to 1644, or
- HIST 329 [4] Imperial China
- PHIL 345 [3] Philosophies of China
- PSCI 376 [2] Multilateralism & the UN System and
- RS 340 [3] Zen, Dharma & Tao

**Special Topic Research**

*Complete one or more courses for a total of at least 2 units. [Instructor approval required]*

- ANTH 498 [1-4] Independent Study *
- CHIN 480 [1-4] Undergraduate Seminar [Often taught abroad]
- GEOG 411 [4] Senior Field Research in China *

**European Studies Concentration (12 units)**

*See core courses.*

*Complete at least 12 units. For an emphasis on:

- Europe as a whole, take any four of the courses below
- France, take at least two FREN courses
- Spain, take at least two SPAN courses
- Germany, take at least two courses that focus primarily on Germany

**Required Courses (9 units)**

- ART 301-304 [3-4] Topics in Art History *
- ENGL 342 [4] Special Topics in Shakespeare
- FREN 312 [4] French VI & (R)evolution in Modern French Literature
- FREN 314 [4] Cultural History Topics in Early French Masterpieces
- FREN 480 [1-4] Upper Division Seminar/Retreat [in English or French]
- GEOG 472 [3] Topics in Regional Geography *
- GERM 305 [3] Marx, Nietzsche, Freud & German Literature
- GERM 480 [1-4] Undergraduate Seminar
- HIST 300 [3] Era of World War I
- HIST 301 [3] Era of World War II
- HIST 345 [4] Imperialism
- PSCI 330 [4] Political Regimes & Political Change *
- SPAN 401 [4] Hispanic Civilization: Spain

**Latin American Studies Concentration (12 units)**

*See core courses.*

*Complete two courses in each area for a minimum of 12 units.*

**Social Sciences**

- GEOG 472 [3] Topics in Regional Geography *
- HIST 326 [4] History of Mexico
- SPAN 305 [3] Hispanic Civilization: Regional Studies
- SPAN 365S [1-4] Field Experience: Regional Studies

**Global Cultural Studies Concentration (12 units)**

*See core courses.*

**Arts & Literatures**

- ART 104M [3] Latin American Art [DCG-n]
- ART 301 [3] Topics in Western Art History *
- SPAN 335 [1-4] Reading & Writing: Regional Studies
- SPAN 345 [4] Hispanic Cinema
- SPAN 346 [4] Borges & the Contemporary Spanish American Short Story

**Elective Courses**

*Complete one course (minimum 3 units).*

- ART 104K [3] Africa, Oceania, the Americas [DCG-n]
- ART 104M [3] Latin American Art [DCG-n]
- DANC 303 [3] Dance in World Cultures
- FREN 300 [3-4] African Storytelling
- FREN 340 [2-4] Topics in Francophone Culture
- GEOG 472 [3] Topics in Francophone Geography *
- SPAN 345 [4] Hispanic Cinema
- SPAN 346 [4] Borges & the Contemporary Spanish American Short Story

*Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

‡ Course requires a prerequisite that is not required elsewhere in the major.
Third World Development Studies Concentration (12 units)

See core courses. Students in this concentration must choose ECON 306 Economics of the Developing World in the program core.

Required Courses (7 units)
- ANTH 316 (4) Anthropology & Development OR
- ANTH 317 (4) Women & Development
- PSCI 303 (3) Third World Politics

Elective Courses (at least 5 units).
At least one of these electives may need to be taken as part of study abroad. Prior advisor approval is required.
- ANTH 316 (4) Anthropology & Development OR
- ANTH 317 (4) Women & Development (whichever not taken as required course above)

Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

Minor in International Studies

Students completing this minor will have demonstrated:
- the ability to analyze regional and global issues from economic, political, and cultural perspectives
- the ability to gather information and use interdisciplinary analysis skills to critically evaluate regional and global issues
- proficiency in formal written and oral communication
- skills needed to build an international career

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 19

Special Grade Requirement

A minimum grade of C- must be earned for all courses in the minor.

Required Courses (19 units)

INTL 210 (4) Introduction to International Studies
INTL 220 (3) Introduction to Cultural Studies
PSCI 240 (3) Introduction to International Relations,
ECON 305 (3) International Economics & Globalization, or
ECON 306 (3) Economics of the Developing World [DCG-n]
INTL 320 (1) Career Workshop
INTL 387 (1) International Education Week Colloquium
INTL 410 (4) Global Issues Analysis

‡ Course requires a prerequisite that is not required elsewhere in the major.

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

‡ Students must complete INTL 210, INTL 220, PSCI 240 and ECON 305 or ECON 306 prior to enrolling in INTL 410. Discuss corequisite options with minor advisor.

1 Students must complete INTL 210, INTL 220, PSCI 240 and ECON 305 or ECON 306 prior to enrolling in INTL 410. Discuss corequisite options with minor advisor.
Journalism

Bachelor of Arts degree with a major in Journalism —
with concentrations in:
  News
  Public Relations

Minor in Journalism

Journalism Certificate of Study

Department Chair
Victoria Sama

Department of Journalism & Mass Communication
Bret Harte House 52
707-826-4775
journalism.humboldt.edu

The Program
Students completing this program will have demonstrated:
  ▪ knowledge of media laws and First Amendment rights and limitations
  ▪ they understand how media professionals, institutions, and industries produce and shape the news
  ▪ they understand ethical principles related to mass media
  ▪ they are able to gather information from diverse sources
  ▪ they can write clearly in forms and styles appropriate for the communications professions, audiences, and purposes they service
  ▪ they can critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness
  ▪ they can tell non-fiction stories across media forms using visual and audio tools and technologies.

The Journalism major prepares students for careers in news, public relations, and related fields. As early as their freshman year, students can produce multimedia stories for our award-winning student newspaper The Lumberjack, Osprey magazine, and KRFH radio station.

Our primary focus is on producing good, ethical journalists and media practitioners. But our goal is also to make students more critical thinkers about the media. Students learn ways to communicate information effectively and tell compelling stories across media forms. They study the role of the media in our society and how the media industries shape our culture and are affected by political and economic systems.

Possible careers for our graduating students include: news writer; reporter; editor; magazine writer; page designer; copy editor; photographer; television or radio reporter; news anchor; broadcast news director; producer; public relations representative, advertising director; sports information director; sports writer; online editor; and webmaster.

Preparation
In high school take English and government and work on school publications.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Core units: 33
Concentration units: 12
Total units in the major: 45
Total units required for the degree: 120

Core Courses (33 units)

Lower Division
JMC 105 (3) Introduction to Mass Communication
JMC 120 (3) Beginning Reporting
JMC 125 (3) Intro to Journalism Tools

Upper Division
JMC 327 (2) Lumberjack News Workshop
JMC 328 (3) Media Law
JMC 332 (3) Media Ethics
JMC 480 (3) Special Topics

Complete one course from the following:
JMC 302 (3) Mass Media & Popular Arts
JMC 305 (3) International Mass Communication
JMC 306 (3) Mass Communication History
JMC 309 (3) Analyzing Mass Media Messages

Experiential Learning Courses
Complete 6 lower division units (each course may be used once to meet this requirement.)
JMC 134 (3) Photojournalism & Photoshop
JMC 150 (3) Digital Design
JMC 154 (3) Radio Production
JMC 155 (1) KRFH Workshop
JMC 156 (3) Video Production
JMC 160 (2) El Leñador Newspaper

Complete 4 upper division units (each course may be used once to meet this requirement.)
JMC 325 (2) Osprey Magazine Production
JMC 333 (2) Radio News Workshop
JMC 355 (2) Advanced KRFH Workshop
JMC 360 (2) Advanced El Leñador Newspaper
JMC 427 (2) Advanced Lumberjack News Workshop
JMC 482 (1-3) Mass Media Internship
JMC 490 (1-4) The KHSU Experience

Concentrations
Complete one of the following concentrations to fulfill the requirements of the major:

News Concentration (12 units)
JMC 318 (3) Media Research, or JMC 322 (3) Editing
Complete 9 units from the following:
JMC 320 (3) Advanced Reporting
JMC 324 (3) Advanced News Writing
JMC 334 (3) Advanced Photojournalism
JMC 336 (3) Advanced Video Production
JMC 450 (3) Media Management

Public Relations Concentration (12 units)
JMC 322 (3) Editing
JMC 323 (3) Public Relations
JMC 429 (3) Advanced Public Relations
Complete one of the following courses:
JMC 318 (3) Media Research
JMC 354 (3) Media Advertising
JMC 450 (3) Media Management

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 16

This minor will prepare students for careers as reporters, writers, editors, producers, publishers, broadcasters, photographers, page and web designers, public relations and advertising professionals, and media scholars and researchers.

JMC 105 (3) Introduction to Mass Communication
JMC 120 (3) Beginning Reporting

Complete one course from the following:
JMC 305 (3) International Mass Communication
JMC 306 (3) Mass Communication History
JMC 318 (3) Media Research
JMC 328 (3) Media Law
JMC 332 (3) Media Ethics

Complete 7 units of approved courses from those required for the journalism major, including any of the courses listed above.

2021-2022 Humboldt State University Catalog
Bachelor of Science degree with a major in Kinesiology — with concentrations in:
- Exercise Science/Health Promotion
- Physical Education Teaching
- Pre-Physical Therapy

Minor in Health Education

Minor in Kinesiology

Master of Science degree in Kinesiology — Advanced study to prepare graduate students for doctoral and professional programs and careers in the promotion of physical activity.

Single Subject Credential (see Physical Education Teaching Concentration leading to a single subject credential)

Department Chair
Justus Ortega, Ph.D.

Department of Kinesiology & Recreation Administration
Kinesiology & Athletics 305
707-826-4536
kra.humboldt.edu

The BS Program

Students completing this program will have demonstrated the ability to:
- identify and explain the concepts of kinesiology
- analyze, synthesize, and evaluate relevant information from scientific literature to inform professional practice
- demonstrate effective written and oral communication for the discipline of kinesiology
- apply knowledge and skills from kinesiology to promote health and physical activity, and optimize performance among diverse populations.

Humboldt provides students with three new state-of-the-art laboratory facilities, including the human performance, biomechanics, and behavioral performance labs. A natatorium, plus two gymnasiums, dance studio, an all-weather track and field, cross-country trails, stadium, and two playing fields round out the facilities. In addition to their academic coursework, students develop their skills through fieldwork and practicum experiences in their areas of study.

Preparation

High school students should take the college preparatory program plus biology, math, anatomy, and physiology. Participation in intercollegiate sports, physical activities, and a computer course are encouraged.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor’s Degree" section of the catalog, pp. 67-82.

The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for Kinesiology.

Unit Requirements

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>35-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration units:</td>
<td>33-38</td>
</tr>
<tr>
<td>Total units in the major:</td>
<td>68-74</td>
</tr>
<tr>
<td>Total units required for the degree:</td>
<td>120</td>
</tr>
</tbody>
</table>

Special Grade Requirement

Students must earn a C- or better in all required courses for the major that have a KINS, ZOOL, REC, or HED prefix (or their equivalent, in the case of courses transferred from another institution).

Core Courses (35-36 units)

Lower Division

- BIOL 104 (3) General Biology, or BIOL 105* (4) Principles of Biology (required for pre-physical therapy concentration)
- HED 120 (1) Responding to Emergencies — CPRFPR
- KINS 165 (3) Foundations of Kinesiology
- ZOOL 113 (4) Human Physiology
- ZOOL 270 (4) Human Anatomy

Upper Division

- KINS 379 (4) Exercise Physiology
- KINS 386 (4) Structural Kinesiology
- KINS 474 (3) Psychology of Sport & Exercise
- KINS 483 (3) Evaluation Techniques in Kinesiology
- KINS 484 (3) Motor Development/ Motor Learning
- KINS 492 (3) Senior Seminar in Kinesiology

*Students in the Pre-Physical Therapy concentration must take BIOL 105.

Students in the Exercise Science/Health Promotion or Physical Education Teaching concentrations may take BIOL 104 or BIOL 105.

Concentrations (33-38 units)

Complete one of the following concentrations to fulfill the requirements of the major:

Exercise Science/Health Promotion Concentration (33 units)

Prepare for careers in adult fitness; cardiac rehabilitation; strength and conditioning; corporate, community, and commercial health/fitness programs; and for graduate study in exercise science/exercise physiology. The curriculum also helps to prepare students to sit for recognized professional certification examinations offered by the American College of Sports Medicine and the National Strength and Conditioning Association.

Kinesiology Core: 35-36 units + Exercise Science Health Promotion Concentration 33 units = 68-69 units for the major.

Lower Division

- HED 231 (3) Basic Human Nutrition

Upper Division

- KINS 325 (2) Health Related Exercise, or
- KINS 339 (2) Group Exercise Instruction, or 2 units of PE courses.
- KINS 456A (4) Fitness Assessment & Exercise Programming
- KINS 456B (4) Fitness Assessment & Exercise Programming
- KINS 460 (1) Human Performance Lab Techniques
- KINS 482 (7) Internship in Kinesiology

Emphases (12 units)

Complete coursework selected in consultation with and approval of major advisor. Suggested coursework includes, but is not limited to:

Exercise Science Emphasis

- KINS 425 (3) Strength & Conditioning
- HED 342 (3) Nutrition for Athletic Performance
Select 6 units from KINS 480/580, 600-level courses and/or courses from the following Health Promotion Emphasis.

Health Promotion Emphasis

In consultation with an advisor, students may select courses that qualify them to sit for the Certified Health Education Specialist (CHES) examination.

- HED 342 (3) Nutrition for Athletic Performance
- HED 344 (3) Weight Control
Please note: Degree requirements listed above do not include the professional education courses required for a teaching credential. Students earning this degree may waive CSET assessments before entering the credential program. Before applying to the secondary education credential program, students must meet the prerequisite of 45-hours early field experience or enroll in KINS 490.

**Pre-Physical Therapy Concentration (38 units)**

Careers in the health care industry are increasing and completion of this concentration provides the academic requirements necessary to enter a graduate program for physical therapy or other health professions such as occupational therapy, nursing, physician assistant programs, medical school, or prosthetics and orthotics. Upper division electives built into the curriculum (upon consultation with and approval of their advisor) allow students the flexibility to take additional classes required for the graduate program(s) they are interested in attending.

Students also have the opportunity to gain more knowledge and experience in the physical therapy (and related) fields through a practicum experience. During these placements in local physical therapy clinics and hospitals, students learn the basic skills to provide patient care and the essentials of evidence-based practice alongside physical therapists. In addition to being immersed in the field and accumulating observational hours needed to apply to graduate programs, students also attend presentations by current graduate students, physical therapists, and other health professionals, as well as workshops to help students’ preparation for applying to graduate school.

Kinesiology core (36 units) + Pre-Physical Therapy Concentration (38 units) = 74 units for the major: (15 units double-count for LD GE requirements).

**Lower Division** (27 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 109</td>
<td>(5) General Chemistry I</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>(5) General Chemistry II</td>
</tr>
<tr>
<td>PHYS 106</td>
<td>(4) College Physics: Mechanics &amp; Heat</td>
</tr>
<tr>
<td>PHYS 107</td>
<td>(4) College Physics: Electromagnetism &amp; Modern Physics</td>
</tr>
<tr>
<td>PSYC 104</td>
<td>(3) Introduction to Psychology</td>
</tr>
<tr>
<td>SOC 104</td>
<td>(3) Introduction to Sociology</td>
</tr>
<tr>
<td>STAT 108i</td>
<td>(3) Elementary Statistics, or Integrated Statistics with Integrated Support (Coreq: STAT 8)</td>
</tr>
</tbody>
</table>

**Upper Division** (11 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 438</td>
<td>(3) Dynamics of Abnormal Behavior, plus Upper-Division Major Electives</td>
</tr>
</tbody>
</table>

**REQUIREMENTS FOR THE MINORS**

**Minor in Health Education**

Total units in the minor: 20

Please consult the department chair for current requirements.

**Minor in Kinesiology**

Total units in the minor: 20

Please consult the department chair for current requirements.

**MASTER OF SCIENCE DEGREE IN KINESIOLOGY**

Graduates are prepared for careers in a wide range of professional roles that include worksite health promotion, clinical exercise physiology, cardiac rehabilitation, commercial fitness, public/private or nonprofit health agencies, obesity/diabetes and heart disease prevention and treatment, teaching/coaching, independent research in a field of specialization, or continued graduate study at doctoral granting institutions. The curriculum and coursework in the Kinesiology MS degree program is designed to meet the mission of preparing students to be leaders in the fields of physical activity, health, and disease prevention and treatment. The common theme that binds us together is the study of physical activity and relationships with health and human performance.

**The Program**

Students completing this program will have demonstrated the ability to:

- apply advanced concepts and theoretical constructs in kinesiology
- design and implement research in kinesiology
- critically analyze, evaluate, and synthesize the scientific literature in kinesiology
- synthesize and present data relevant to specialization areas within kinesiology
- interpret, evaluate, and apply the scientific literature in kinesiology to promote health and optimize performance among diverse populations.

**Program Admission Requirements**

Applicants must submit the names of three
references, including contact information, and a statement of intent with their application. Two admission options are available:

Postbaccalaureate
In addition to Humboldt State University requirements, the Department of Kinesiology and Recreation Administration requires the following criteria be met for admission to the program as a classified graduate student:

- a bachelor’s degree in Kinesiology or Exercise Science from an accredited institution, or equivalent. Students may be required to complete foundational coursework depending on their selected graduate program of study.
- a minimum undergraduate grade-point average (GPA) of 2.75 in the last 60 semester units (a 3.00 GPA is preferred).
- completion of the Graduate Record Examination (GRE) for verbal reasoning (148 minimum), quantitative reasoning (140 minimum), and analytical writing (3.5 minimum) must be submitted as part of the application process prior to admission.

A student may be conditionally admitted to the program if:

- The undergraduate degree is in a field other than Kinesiology or Exercise Science. Students will be required to complete 12-15 units of foundational coursework as approved by the graduate program coordinator. These courses must be satisfactorily completed with a grade of B- or better.
- The GRE scores or GPA are below the required minimum.

Four plus One (4+1) Program [pre-baccalaureate]
A student can apply in the junior year after completion of at least 24 units of undergraduate coursework in Kinesiology, with a GPA of 3.25 or higher in KINS coursework.

International Student Addendum
International students must achieve a minimum TOEFL score of 550 (213 on computer-based test; 80 on internet-based test) that was received within two years of applying to HSU. The score must be sent to us directly by the Educational Testing Service (ETS); or

- a minimum IELTS score of 6.5 that was received within two years of applying to HSU. The score must be sent to us directly by the English Language Testing System (IELTS).

Requirements for the Degree (Master of Science)
For a description of degree requirements to be fulfilled in addition to those listed below see, “The Master's Degree” section of the catalog, pp. 83-84.

Unit Requirement
Total units for the degree: 33

Required Courses (9 units)
Complete the following courses:

KINS 610 (3) Statistics for Kinesiology
KINS 635 (3) Research Methods in Kinesiology
KINS 695 (3) Directed Field Experience, or
KINS 699 (3) Independent Study

In-Depth Area of Study (9 units)
Students select an in-depth area of study in consultation with a major advisor. Courses should support the student’s area of research and professional goals. These courses should be graduate level (500-699), with allowance for upper division level courses (300-499) on a case-by-case basis.

Directed Elective Courses (9 units)
Courses should support the student’s professional goals. These courses should be graduate level (500-699), with allowance for upper division level courses (300-499) on a case-by-case basis.

Capstone (6 units)
Complete one of the following options.

Thesis/Project Option
Recommended for those planning to attend a doctoral/advanced professional program or preparing for a research-based career. An oral defense of the thesis/project is required.

KINS 690 (1-6) Thesis Writing Seminar

Comprehensive Exam Option
Students in this option will complete a comprehensive written exam based on the focus of the curriculum.

KINS 691 (0) Comprehensive Exam and
Students in this option will complete an additional 6 units of coursework.
Leadership Studies [Interdisciplinary Studies]

Bachelor of Arts degree with an Interdisciplinary Studies major — with a concentration in Leadership Studies *

College of Extended Education & Global Engagement
humboldt.edu/leadership
707-826-3769
leadership@humboldt.edu

The Program
The Leadership Studies Bachelor’s degree-completion program is designed for students who have completed 60 units of undergraduate coursework (see transfer requirements below) and want to gain foundational leadership skills in: planning, critical thinking, sustainability, and organizational transformation. All courses for the major are fully online. Leadership Studies is offered via self-support through the College of Extended Education & Global Engagement. Self-support programs are subject to program specific fees.

For more information about the program contact Extended Education at 707-826-3769 or visit humboldt.edu/leadership.

Mission
The Leadership Studies program offers access to a degree through a dynamic public online education. Following an interdisciplinary approach, students develop personal and professional skills to transform self and enrich communities. Graduates realize their competencies and inspiration toward positively enhancing their careers and lives.

Program Learning Outcomes
Students completing this major will have demonstrated the ability to:
- analyze and assess an organization’s systems of power and privilege
- develop and present long-term strategic plans that promote sustainability
- collect, analyze, and effectively use quantitative and qualitative data using an evidence-based framework
- develop and implement leadership skills to enhance organizational effectiveness
- communicate with diverse groups and be able to evaluate/integrate the perspective of others when seeking solutions to leadership

Upper Division Transfer Requirements
To be considered an Upper Division Transfer student, you must have:
- completed a minimum of 60 semester or 90 quarter units of transferable coursework (if transferring from a community college, it is advised to complete 70 semester units or 105 quarter units as allowed);
- have an overall college GPA of at least 2.00;
- be in good standing at the last college or university attended. In simple terms, “good standing” means you are eligible to re-enroll at your last college or university;
- have completed 10 general education courses (30 semester units or 45 quarter units) of basic skills courses, with a grade of C- or better, and, specifically, four courses completed in the following GE breadth areas:

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82

Required Courses (30 units)
LDRS 311 (3) Foundations of Leadership
LDRS 321 (3) Data Driven Leadership
LDRS 331 (3) Leadership Communication
LDRS 341 (3) Strategic Planning & Forecasting
LDRS 351 (3) Project Implementation/ Evaluation
LDRS 411 (3) Managing Employees/ Stakeholders
LDRS 421 (3) Strategic Sustainability
LDRS 431 (3) Technology & Leadership
LDRS 441 (3) Developing Dynamic Organizations
LDRS 451 (3) Capstone in Leadership

Self-Support Program Fees
The Interdisciplinary Studies: Leadership Studies program is offered through self-support mode by the College of Extended Education & Global Engagement.

Self-support programs are subject to program specific fees. Fee information is available on the College of Extended Education & Global Engagement website: extended.humboldt.edu

This major is not offered as a state-supported program and is not an option for a change of major.
Bachelor of Arts degree
with a major in Liberal Studies —
with a concentration in Elementary Education

Liberal Studies Elementary Education Office
Harry Griffith Hall 202A
707-826-3752
humboldt.edu/lsee

Program Leaders
Marisol Ruiz Gonzales, Ph.D.
707-826-5822
marisol.ruiz@humboldt.edu
Sara K. Sterner, Ph.D.
sara.sterner@humboldt.edu
707-826-5873

Program Advisor
Tyler Bradbury
707-826-3752
tylerbradbury@humboldt.edu

The Program
The Liberal Studies Elementary Education program provides focused, hands-on university coursework aligned with clinical practice in elementary schools that allows undergraduate students who complete the Integrated Credential Pathway to earn a bachelor’s degree, and to be recommended for a Multiple Subject Credential in four years. A Non-Integrated Pathway is available for students who wish to earn a bachelor’s degree only.

Students completing this program will have:
- demonstrated an ability to work effectively with diverse students, parents, colleagues, staff, and others in the community;
- developed and maintain safe, positive, and productive educational environments;
- used research-based practice to inform their work;
- demonstrated a coherent theoretical framework of learning and human development that supports reflection on their practice;
- collaborated on efforts to improve education opportunities for all students.

Additionally, candidates in the LSEE Program acquire the knowledge, skills, experiences, and perspectives necessary to:
- demonstrate subject matter content knowledge aligned to the California K-8 Content standards in language arts, mathematics, science, history/social science, health, physical education, and the visual and performing arts as outlined in the Standards of Program Quality and Effectiveness for the Subject Matter Requirement for the Multiple Subject Teaching Credential;
- apply pedagogical content knowledge to teach specific subjects clearly and knowledgeably and to effectively integrate pedagogical content knowledge and skill across disciplines in lesson design and implementation.

The carefully sequenced academic plan provides:
- excellent preparation to teach elementary school subjects including language arts, mathematics, science, history/social science, health, physical education, visual and performing arts;
- courses that focus on 21st century teaching approaches;
- a series of structured classroom experiences with students from kindergarten to 8th grade;
- dedicated faculty and advisors;
- support to complete university and credential requirements including subject matter competency.

Students must complete the Certificate of Clearance from the California Commission on Teacher Credentialing, and provide proof of tuberculin clearance and rubella immunization to participate in the clinically-based LSEE classes that begin in the freshman year.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 67-82.

Required Units
Total units in the major: 112
Total units required for the degree: 120

Special Grade Requirement
Students must earn a minimum grade of C- in all major requirements.

General Education Notes
Students who complete the LSEE Lower Division Core will have met Lower Division GE and American Institutions requirements. Students who change out of the LSEE major are encouraged to contact the Office of the Registrar or the Academic & Career Advising Center regarding completion of degree requirements.

Lower Division (58 units)

Complete the following courses:
CD 209 [3] Middle Child Development
COMM 103 [3] Critical Listening & Thinking
CRGS 108 [3] Power/Privilege: Gender & Race
ENGL 104* [3] Accelerated Composition & Rhetoric
ENGL 105 [3] Literature, Media & Culture
GEOL 109 [4] General Geology (or other Lower Division GE Area B: Physical Universe course)
HIST 104 [3] Western Civilization to 1650
HIST 110 [3] United States History to 1877
LSEE 211 [4] Developmental Literacy
LSEE 212 [4] Language and Literacy
PSCI 110 (3) American Government

Complete one of the following:
ES 106 [3] Introduction to Black Studies
ES 107 [3] Chican@/Latina@ Lives

Complete one of the following:
TA 104 (4) Story Through Word & Image

Complete one of the following:
MATH 103i [3] Mathematics as a Liberal Art with Integrated Support (Coreq: MATH 3)
MATH 108 [3] Critical Thinking in Mathematics

Upper Division (31)

Complete the following courses:

* or ENGL 102 & ENGL 103 Composition & Rhetoric A & B or ENGL 104S
** Subject to WSCUC & CSU Office of the Chancellor approval
LSEE 308  [3] Algebra, Geometry, and Data in the Elementary Classroom
LSEE 313  [3] Science for Elementary Education
LSEE 315  [4] Social Science for Elementary Education
LSEE 316  [4] Language Arts for Elementary Education
LSEE 333  [4] English Language & Bilingual Development
LSEE 377  [4] Education of Exceptional Individuals

Integrative Credential Senior Year Pathway (35 units)**

Program Admission Requirements
Admission into the Senior Year Integrative Credential Pathway requires:

- An overall GPA at or above 2.67 in all baccalaureate course work.
- Junior status (earned 60 semester units)
- Satisfactory completion of all program core courses and other requirements, including passing the Graduation Writing Proficiency Exam (GWPE).
- Pass California Subject Examination for Teachers (Test Code 133 and 134)
- Pass with a C- or better U.S. Constitutions course (PSCI 110, PSCI 159, or PSCI 410), or the U.S. Constitutions Test administered by the County Office of Education.
- Current CPR certification from the American Heart Association Course B or C, American Red Cross Community CPR, or equivalent training in adult, child and infant CPR.
- Proof of tuberculosis clearance (chest x-ray or skin test) and rubella immunization.
- A Certificate of Clearance from the California Commission on Teacher Credentialing.
- Verification of passing a basic skills exam (Details are available on the School of Education website humboldt.edu/education)
- Verification of passing the ESET in Multiple Subjects

Integrative Credential Pathway Requirements
The LSEE Integrative Credential Pathway program includes courses needed to apply to and complete the teacher credential program. Upper division GE Area C and D requirements are fulfilled by completion of the following coursework.

The following credential pathway professional education courses must be completed with no grade lower than a C-, and a minimum GPA of 3.00 must be maintained.

LSEE 715  [4] Integrated Art, Language Arts and Social Studies I
LSEE 716  [2] Integrated Art, Language Arts & Social Studies II
LSEE 723  [4] School, Student & Social Development
LSEE 475  [3] Health & Physical Education

Capstone

Additional Requirements
Pay professional liability insurance fee, required by the CSU and local school districts prior to student teaching ($20)
Pass the Reading Instruction Competence Assessment (RICA)
Pass the Teacher Performance Assessment (edTPA)

Non-Integrated Senior Year Pathway (23 units)
This pathway is designed for students who wish to earn a bachelor’s degree only or have not met the credential admission requirements.

Complete core courses, plus the following:
LSEE 453  [3] Senior Seminar I
LSEE 454  [3] Senior Seminar II

9 units in one of the following areas: child development, creative dramatics, English as a second language, music, physical education, history, social science, mathematics, psychology, Spanish, studio art or science.

Programs Leading to Licensure & Credentialing
Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credential requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements.

The California State University has not determined whether its programs meet other states’ educational or professional requirements for licensure and certification. This disclosure is made pursuant to 34 CFR §668.43[a][5] [v][C].
Bachelor of Arts degree with a major in Mathematics
concentrations available in:
  Applied Mathematics
  Mathematics Education

Minor in Mathematics
Minor in Applied Mathematics
See also the minor in Applied Statistics.

Department Chair
Boni Mazzag, Ph.D.
Department of Mathematics
Behavioral & Social Sciences 320
707-826-3143
humboldt.edu/math

The Program
Mathematics students at HSU find an active and supportive atmosphere that provides preparation for mathematics-related careers and mentorship for graduate studies. The department offers a variety of scholarships, need-based and merit-based, for mathematics majors at every level and including transfer students. Students have access to several campus computer labs including one dedicated to mathematical applications. There are many activities outside the classroom including: a weekly Mathematics Colloquium series; the endowed Kieval Mathematics Lecture every semester; a variety of competitions, from our local Integration Bee to the International Mathematical Contest in Modeling; and a very active Mathematics Club. Mathematics is challenging, rewarding, and fun.

Mathematics majors may enter the workforce in a wide variety of positions. Potential careers include: mathematician, statistician, computer programmer, actuary, mathematician, analyst (systems analyst, statistics methods analyst, financial investment analyst, mathematical computing analyst...), teacher, demographer.

Courses in calculus, linear algebra, differential equations, computer programming, analysis and statistics comprise the program’s core. Humboldt State offers several computer laboratories with a variety of computers, including mainframe, mini, and microcomputers.

An active Math Club meets weekly and sponsors various activities and talks. A special scholarship fund for outstanding mathematics students was established by professor emeritus Harry S. Kieval. Several other scholarship opportunities are available to Mathematics majors.

It is expected that each graduate of this program will be able to:
  • reason mathematically and statistically
  • solve complex problems using mathematics and statistics
  • communicate mathematical and statistical ideas
  • evaluate mathematical and statistical work

Preparation
Take mathematics courses every year in high school. Creative writing, art, music, and computer programming are also helpful.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 67-82.

Unit Requirements
Lower division core units: 22
Upper division/concentration units: 26
Units required for the major: 48
Units required for the degree: 120

Special Grade Requirement
A minimum grade of C- is required for all courses in the major (all concentrations).

Lower Division Core Courses (22 units)
The following core courses are required for all majors.
CS 111 [4] Computer Science Foundations I or an approved course in computer programming
MATH 110 [4] Calculus II
MATH 210 [4] Calculus III
MATH 240 [3] Introduction to Mathematical Thought
MATH 241 [3] Elements of Linear Algebra

Mathematics (26 units)
Upper Division Courses
Complete the following courses to fulfill the requirements of the mathematics major (no concentration).
MATH 316 [4] Real Analysis I
MATH 343 [4] Introduction to Algebraic Structures
MATH 344 [3] Linear Algebra
MATH 416 [3] Real Analysis II, or

Plus an approved program of upper division and graduate math courses to bring the total units at or above the 300 level to 26.

Applied Mathematics
Concentration (26 units)
This concentration provides a theoretical foundation and skills necessary to apply mathematics or mathematical computing to problems encountered in other disciplines. See lower division core courses.

Upper Division
MATH 318 [4] Real Analysis I
MATH 351 [4] Introduction to Numerical Analysis
MATH 361 [4] Introduction to Mathematical Modeling
MATH 315 [4] Advanced Calculus, or
MATH 344 [3] Linear Algebra

Plus an approved program of upper division and graduate math courses to bring the total units at or above the 300 level to 26.

Mathematics Education
Concentration (26 units)
This concentration prepares students primarily for teaching math in junior high school and high school. (For information on preliminary and professional clear teaching credentials, see Education.)

Degree requirements listed here do not include professional education courses required for the credential.

Students earning this degree may waive CSET assessments before entering the credential program. Before applying to the secondary education credential program, students must meet the prerequisite of 45 hours early field experience or enroll in SED 210/SED 410.

See lower division core courses.
## Upper Division

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 301</td>
<td>3</td>
<td>Mathematics &amp; Culture: Historical Perspective* or</td>
</tr>
<tr>
<td>MATH 401</td>
<td>3</td>
<td>History of Mathematics I</td>
</tr>
<tr>
<td>MATH 340</td>
<td>3</td>
<td>Number Theory</td>
</tr>
<tr>
<td>MATH 343</td>
<td>4</td>
<td>Introduction to Algebraic Structures</td>
</tr>
<tr>
<td>MATH 370</td>
<td>3</td>
<td>School Mathematics from Advanced Viewpoint I</td>
</tr>
<tr>
<td>MATH 371</td>
<td>3</td>
<td>Geometry</td>
</tr>
<tr>
<td>MATH 470</td>
<td>3</td>
<td>School Mathematics from Advanced Viewpoint II</td>
</tr>
<tr>
<td>STAT 323</td>
<td>4</td>
<td>Probability &amp; Statistics</td>
</tr>
</tbody>
</table>

Students also should take:

- **sufficient units in approved upper division mathematics courses to bring the total to 26 — recommended:**
  - MATH 316 [4] Real Analysis I
  - MATH 474 [3] Graph Theory

- **an approved, coherent program of not less than 8 units in a field of study in which mathematics is applicable (see advisor)**

- **strongly recommended:**
  - PHIL 100 [3] Logic

### Requirements for the Minors

**Mathematics Minor**

Total units required for the minor: 28

**Lower Division (18 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 109</td>
<td>4</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 110</td>
<td>4</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 210</td>
<td>4</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MATH 240</td>
<td>3</td>
<td>Introduction to Mathematical Thought</td>
</tr>
<tr>
<td>MATH 241</td>
<td>3</td>
<td>Elements of Linear Algebra</td>
</tr>
</tbody>
</table>

**Upper Division (10 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 340</td>
<td>3</td>
<td>Number Theory, or</td>
</tr>
<tr>
<td>MATH 343</td>
<td>4</td>
<td>Introduction to Algebraic Structures</td>
</tr>
</tbody>
</table>

* MATH 301 does not count toward 26 units of 300-level (or above) courses.

**Applied Mathematics Minor**

Total units required for the minor: 22-29

**Lower Division (12-19 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 108</td>
<td>3</td>
<td>Elementary Statistics, or</td>
</tr>
<tr>
<td>STAT 108i</td>
<td>3</td>
<td>Elementary Statistics with Integrated Support [Coreq: STAT 8], or</td>
</tr>
<tr>
<td>STAT 109</td>
<td>4</td>
<td>Introductory Biostatistics</td>
</tr>
</tbody>
</table>

*Complete either:*

- MATH 110 [4] Calculus II
- MATH 241 [3] Elements of Linear Algebra

**Upper Division (10 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 313</td>
<td>4</td>
<td>Ordinary Differential Equations, or</td>
</tr>
<tr>
<td>MATH 361</td>
<td>4</td>
<td>Introduction to Mathematical Modeling</td>
</tr>
</tbody>
</table>

*Complete approved courses to bring the total to 10 upper division units.*
Minor in Multicultural Queer Studies
See also the Multicultural Queer Studies Emphasis within the Critical Race, Gender and Sexuality Studies (CRGS) major.

Department Chair
Kim Berry, Ph.D.
Behavioral & Social Sciences 246

Department of Critical Race, Gender and Sexuality Studies
Behavioral & Social Sciences 206
707-826-4328, fax 826-4320
crgs.humboldt.edu

The Program
Students completing this minor will have demonstrated the ability to:
 use intersectional analysis to examine social issues
 explain prominent debates in queer theory
 link theory to practice

The minor in Multicultural Queer Studies provides a rich mixture of interdisciplinary courses and community engagement and leadership opportunities. Students draw on classes from critical race, gender and sexuality studies, women’s studies, ethnic studies, political science, psychology, education, sociology, theater arts, English, and other disciplines to study political and cultural issues related to sexual identity, sex, gender identity, and sexuality in a multicultural, multiracial, and multidisciplinary context.

All minors gain an understanding of the intersections of race, gender, sexuality and class through CRGS 108. Through engagement with debates in queer theory, students explore the workings of power and the dynamics of resistance. Minors take another 7 units in approved Multicultural Queer Studies elective classes. Finally, the minor has a 2- to 3-unit component providing field-based opportunities to grapple with issues of gender and sexual identity in a political, service, or cultural context. Sites for internships might include the Raven Project, Peer Education Program for the Consent Project or Health & Wellness Program, MultiCultural Center; North Coast Rape Crisis Team, Planned Parenthood, Humboldt Domestic Violence Services, and local high-school-based gay-straight alliances.

This minor can be particularly useful for those planning careers in education, social work, human services, public health, law, psychology, journalism and media, social justice activism, and community development.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 15-17

Introduction
CRGS 108 [3] Power/Privilege: Race, Class, Gender & Sexuality

Queer Theory
Complete one of the following courses.
CRGS 430 [3-4] “Queer” Across Cultures
ENGL 360 [4] Special Topics in Literature when offered as Queer Theory

Community Engagement and Leadership
Complete one of the following courses.
CRGS 313/EDUC 313 [3] Community Activism
CRGS 482 [2-3] Internship Course

Consult with the advisor for approval for community engagement courses not on this list.

Elective Courses
Complete 7 units from the following course list. Consult with the advisor for approval of special topics courses not on this list.
CRGS 235 [1] Act to End Sexualized Violence
CRGS 430 [3-4] “Queer” Across Cultures (when not taken to fulfill “Queer Theory” requirement above)
ENGL 360 [4] Special Topics in Literature when offered as Queer Theory and (when not taken to fulfill “Queer Theory” requirement above)
FILM 465 [4] Film Seminar when offered as Queer Movies
PSYC 236 [1] Choices & Changes in Sexuality
PSYC 437 [3] Sexual Diversity

WS 370 [3-4] Queer Women’s Lives, or ENGL 360 [4] Special Topics in Literature when offered as Queer Women’s Literature
Bachelor of Arts degree with a major in Music —
with concentrations in:
- Composition
- Performance
- Music Studies
- Music Education

Minor in Music

Department Chair
Cindy Moyer, Ph.D.

Department of Music
Music Complex 143
707-826-3531
music.humboldt.edu

The Program

Students completing this program will have demonstrated:
- the ability to hear, identify, and work conceptually with the elements of music; rhythm, melody, harmony, and structure
- familiarity with and an ability to perform a wide selection of musical literature representing principal eras, genres, and cultural sources
- ability in performance areas appropriate to their needs, interest, and degree path.

For students wishing to pursue music as a career, the department is committed to helping:
- perfect skills as a performer or leader
- study the rich legacy and tradition of music literature and history
- identify, understand, and use the concepts which underlie and give order to the study of music
- prepare for graduate study or for a career in a music-related field.

The degree prepares performers, composers, and teachers. Some students prepare for advanced degrees in musicology, composition, and performance. Our graduates typically enjoy careers such as: instrumentalist, conductor, composer/arranger, music editor, critic, pianist, vocalist, disc jockey, studio teacher, accompanist, recording engineer, instrument repairer, copyst, or piano technician.

The department is committed to providing quality education directed to individual student needs. Students receive studio instruction in voice, piano, or instruments from highly qualified faculty who are active performers. Quality performance organizations (wind ensemble, symphony, chamber music ensembles, opera workshop, jazz band, vocal jazz ensemble, combos, percussion ensemble, and calypso band) allow study of the finest musical literature.

The music complex features a 227-seat recital hall, a smart classroom, many practice rooms, computer labs, a tech shop, recording equipment, plus a large inventory of brass, woodwind, and string instruments. The music library contains one of the most comprehensive collections of chamber music on the West Coast.

Nationally recognized performing artists frequently visit Humboldt to perform as soloists with student ensembles. Guest artists offer master classes to students. Summer chamber music workshops provide valuable opportunities for the serious performer.

The department is accredited by the National Association of Schools of Music (NASM) 11250 Roger Bacon Dr., Suite 21
Reston, VA, 20190-5248, 703-437-0700.

Preparation

Entering students find it beneficial to have a music background that includes private study and experience in performance organizations.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Music majors must participate in a performance ensemble each semester. Students who receive a scholarship from the music department must participate in at least two ensembles during each semester in which they receive the award, with one ensemble being assigned by the department. Most large ensembles require an audition, usually signified by IA (Instructor Approval) in the course description. Specific audition requirements are available from the ensemble’s conductor/director.

All those taking studio lessons [majors, minors, nonmajors] will take a jury examination each semester. The complete policy is available from the department.

The music major consists of a 43-unit core (providing foundation courses in music theory, music history, and music performance) and four separate major concentrations.

All entering majors begin in the music studies concentration, emphasizing a liberal arts orientation with a broad view. It involves guided electives, requiring 11 additional units beyond the core, yielding a total of 54 units for the music studies major.

The performance concentration requires selection of a performing emphasis area (voice, piano, orchestral instrument, guitar) and a successful audition. A senior recital is required in all areas of emphasis. For students in the piano emphasis and guitar emphasis, a junior recital is also required. The vocal and piano emphases consist of 22 units beyond the core, yielding a total of 85 units for the major. The instrumental emphasis and guitar emphasis both consist of 18 units beyond the core, yielding a total of 61 units for the major.

The composition concentration gives a practical background in music composition with an emphasis on the use of music technology. Students must audition to enter this concentration. It requires 18 units beyond the core, yielding a total of 61 units for the major. A senior recital is also required.

The music education concentration prepares students to teach music in elementary, middle, and high schools. The department is vitally concerned with providing quality experiences to prepare future music educators. A broad spectrum of course offerings provides opportunities to learn all aspects of music education. Following graduation with a Bachelor of Arts in music education, students may be eligible to enter a professional preparation program leading to a music teaching credential. (For information on preliminary and professional clear teaching credentials, see the Education section of this catalog.)

Students in the music education concentration receive instruction in all instrumental areas, keyboard, and voice. They may choose from a wide variety of performance organizations — wind ensemble, choir, symphony, madrigals, chamber ensembles, opera workshop, jazz band, chorale, vocal jazz ensemble, and jazz combos. The high quality of these ensembles allows students to perform the finest of musical literature from a wide variety of historical eras and musical styles, while observing a conductor’s effective rehearsal techniques that are vital for success as a teacher.

Entrance into the music education concentration involves four steps:
1. Complete an application, including questionnaire, available from the Music Department office.
2. Receive a response to the audition.
3. Complete a music studies concentration.
4. Receive a response to the recital.

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Entrance into the music education concentration involves four steps:
1. Complete an application, including questionnaire, available from the Music Department office.
2. An audition demonstrating performance skills on the student’s primary instrument or voice.

3. An interview before a panel of faculty and local practitioners.

4. A transcript evaluation by the Coordinator of Music Education. Courses are assigned based on the results of this evaluation regardless of courses completed at other institutions.

Prior to graduation, music education majors must take the Subject Matter Competency Exam. This comprehensive test, spread out over several days, is taken during the spring term prior to graduation. It includes competency tests in lesson planning, conducting, score reading and preparation, and performance on voice, piano, and selected orchestral instruments. Majors must also demonstrate proficiency in guitar. Detailed competency requirements are available in the department office.

**Unit Requirements**

**Core units:**

**Concentration units:**

**Units required for the major:**

**Units required for the degree:**

**Core Courses (43 units)**

The following core courses are required for all majors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 104</td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>MUS 112</td>
<td>Fundamentals of Music</td>
</tr>
<tr>
<td>MUS 113</td>
<td>Piano I</td>
</tr>
<tr>
<td>MUS 114</td>
<td>Piano II</td>
</tr>
<tr>
<td>MUS 130</td>
<td>Piano III</td>
</tr>
<tr>
<td>MUS 214</td>
<td>Theory I</td>
</tr>
<tr>
<td>MUS 215</td>
<td>Theory II</td>
</tr>
<tr>
<td>MUS 216</td>
<td>Ear Training I</td>
</tr>
<tr>
<td>MUS 217</td>
<td>Ear Training II</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music in World Culture</td>
</tr>
<tr>
<td>MUS 314</td>
<td>Theory III</td>
</tr>
<tr>
<td>MUS 315</td>
<td>Theory IV</td>
</tr>
<tr>
<td>MUS 316</td>
<td>Ear Training III</td>
</tr>
<tr>
<td>MUS 317</td>
<td>Ear Training IV</td>
</tr>
<tr>
<td>MUS 330</td>
<td>Piano IV</td>
</tr>
<tr>
<td>MUS 348</td>
<td>Music History: Antiquity to 1750</td>
</tr>
<tr>
<td>MUS 349</td>
<td>Music History: 1750 to Present</td>
</tr>
<tr>
<td>MUS 406-407</td>
<td>Ensembles *</td>
</tr>
</tbody>
</table>

* See separate list of specific ensemble requirements for each instrument, available from the Music Department.

**Concentrations (11-32 units)**

Complete one of the following concentrations to fulfill the requirements of the major:

**Music Studies Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 301</td>
<td>1750-2021 Jazz: An American Art Form</td>
</tr>
<tr>
<td>MUS 305</td>
<td>Rock: An American Art Form</td>
</tr>
<tr>
<td>MUS 318</td>
<td>Jazz: An American Art Form</td>
</tr>
<tr>
<td>MUS 319</td>
<td>Elementary Music Methods</td>
</tr>
<tr>
<td>MUS 320</td>
<td>Composition: Film Scoring</td>
</tr>
<tr>
<td>MUS 320B</td>
<td>Composition: Jazz &amp; Pop Arranging</td>
</tr>
<tr>
<td>MUS 323</td>
<td>Jazz Pedagogy</td>
</tr>
<tr>
<td>MUS 324</td>
<td>Contemporary Composition Techniques</td>
</tr>
<tr>
<td>MUS 326</td>
<td>Counterpoint</td>
</tr>
<tr>
<td>MUS 334</td>
<td>Fundamentals of Conducting</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Vocal &amp; Instrumental Scoring</td>
</tr>
<tr>
<td>MUS 356</td>
<td>Lyric Diction</td>
</tr>
<tr>
<td>MUS 360</td>
<td>Music Technology: Midi &amp; Finale</td>
</tr>
<tr>
<td>MUS 361</td>
<td>Music Technology: Recording &amp; Playback</td>
</tr>
<tr>
<td>MUS 391</td>
<td>Piano Pedagogy (MUS 391L is not acceptable for credit)</td>
</tr>
<tr>
<td>MUS 392</td>
<td>Vocal Pedagogy (MUS 392L is not acceptable for credit)</td>
</tr>
<tr>
<td>MUS 384</td>
<td>Advanced Choral Conducting &amp; Literature</td>
</tr>
<tr>
<td>MUS 387</td>
<td>Advanced Instrumental Conducting &amp; Literature</td>
</tr>
<tr>
<td>MUS 453</td>
<td>Career Skills for Musicians</td>
</tr>
</tbody>
</table>

**Performance Concentration (18-22 units)**

Listed below are the four emphasis areas within the performance concentration.

**Instrumental Emphasis (18 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 222-236</td>
<td>Studio Instruction [4 semesters.]</td>
</tr>
<tr>
<td>MUS 334</td>
<td>Fundamentals of Conducting</td>
</tr>
<tr>
<td>MUS 406-MUS 407</td>
<td>Performance Ensemble * [4 semesters.]</td>
</tr>
<tr>
<td>MUS 422-436</td>
<td>Studio Instruction for Performance and Music Education [4 semesters.]</td>
</tr>
<tr>
<td>MUS 440</td>
<td>Senior Recital</td>
</tr>
</tbody>
</table>

**Complete 4 upper division elective units selected from the following:**

**Guitar Emphasis (18 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 237</td>
<td>Studio Guitar [4 semesters.]</td>
</tr>
<tr>
<td>MUS 334</td>
<td>Fundamentals of Conducting</td>
</tr>
<tr>
<td>MUS 406-MUS 407</td>
<td>Performance Ensemble * [4 semesters.]</td>
</tr>
<tr>
<td>MUS 437</td>
<td>Studio Guitar for Performance and Music Education [4 semesters.]</td>
</tr>
<tr>
<td>MUS 440</td>
<td>Senior Recital</td>
</tr>
</tbody>
</table>

**Complete 4 upper division elective units selected from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 305</td>
<td>Jazz: An American Art Form</td>
</tr>
<tr>
<td>MUS 318</td>
<td>Jazz Improvisation</td>
</tr>
<tr>
<td>MUS 319</td>
<td>Elementary Music Methods</td>
</tr>
<tr>
<td>MUS 320</td>
<td>Composition: Film Scoring</td>
</tr>
<tr>
<td>MUS 320B</td>
<td>Composition: Jazz &amp; Pop Arranging</td>
</tr>
<tr>
<td>MUS 323</td>
<td>Jazz Pedagogy</td>
</tr>
<tr>
<td>MUS 324</td>
<td>Contemporary Composition Techniques</td>
</tr>
<tr>
<td>MUS 326</td>
<td>Counterpoint</td>
</tr>
<tr>
<td>MUS 334</td>
<td>Fundamentals of Conducting</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Vocal &amp; Instrumental Scoring</td>
</tr>
<tr>
<td>MUS 360</td>
<td>Music Technology: Midi &amp; Finale</td>
</tr>
<tr>
<td>MUS 384</td>
<td>Recording &amp; Playback</td>
</tr>
<tr>
<td>MUS 387</td>
<td>Advanced Choral Conducting &amp; Literature</td>
</tr>
<tr>
<td>MUS 391L</td>
<td>11 Performance for Musicians</td>
</tr>
<tr>
<td>MUS 437L</td>
<td>11 Performance for Musicians</td>
</tr>
<tr>
<td>MUS 440</td>
<td>Senior Recital</td>
</tr>
</tbody>
</table>

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<table>
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<th>Course Title</th>
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<tr>
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<tr>
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<tr>
<td>MUS 319</td>
<td>Elementary Music Methods</td>
</tr>
<tr>
<td>MUS 320</td>
<td>Composition: Film Scoring</td>
</tr>
<tr>
<td>MUS 320B</td>
<td>Composition: Jazz &amp; Pop Arranging</td>
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<td>Fundamentals of Conducting</td>
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<tr>
<td>MUS 338</td>
<td>Vocal &amp; Instrumental Scoring</td>
</tr>
<tr>
<td>MUS 360</td>
<td>Music Technology: Midi &amp; Finale</td>
</tr>
</tbody>
</table>
### Piano Emphasis (18 units)
- **MUS 220** [1] Studio Piano [4 semesters]
- **MUS 340** [0] Junior Recital
- **MUS 353** [1] Accompanying [4 semesters]
- **MUS 385P** [1] Performance Seminar [2 semesters]
- **MUS 391** [1] Piano Pedagogy
- **MUS 391L** [1] Piano Pedagogy Lab
- **MUS 420** [1] Studio Piano for Performance and Music Education [4 semesters]
- **MUS 440** [0] Senior Recital

### Vocal Emphasis (22 units)
- **MUS 221** [1] Studio Voice [4 semesters]
- **MUS 356** [2] Lyric Diction
- **MUS 385V** [1] Performance Seminar [4 semesters]
- **MUS 392** [1] Vocal Pedagogy
- **MUS 392L** [1] Vocal Pedagogy Lab
- **MUS 406-407** [1] Performance Ensemble [4 semesters]
- **MUS 421** [1] Studio Voice for Performance and Music Education [4 semesters]
- **MUS 440** [0] Senior Recital

### Composition Concentration (18-19 units)
- **MUS 220–MUS 237** [1] Studio Instrument or Voice Instruction [2 semesters]
- **MUS 320** [3] Composition: Film Scoring, or
- **MUS 320B** [3] Composition: Jazz & Pop Arranging
- **MUS 324** [2] Contemporary Composition Techniques
- **MUS 326** [2] Counterpoint
- **MUS 338** [3] Vocal & Instrumental Scoring
- **MUS 438** [1] Studio Composition Adv. [4 semesters]*
- **MUS 440** [0] Senior Recital

### Additional recommended electives:
- **MUS 220/MUS 420** [1] Studio Piano Instruction
- **MUS 318** [2] Jazz Improvisation
- **MUS 320** [3] Composition: Film Scoring [if not taken above]
- **MUS 320B** [3] Composition: Jazz & Pop Arranging [if not taken above]
- **MUS 320C** [3] Composition: Electronic Music

### Music Education Concentration (31-32 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MUS 109V</strong> [1]</td>
<td>Voice [Vocal emphasis students must take MUS 356 (2) Lyric Diction instead]</td>
</tr>
<tr>
<td><strong>MUS 220–MUS 237</strong> [1]</td>
<td>Studio Instrument or Voice Instruction [4 semesters]</td>
</tr>
<tr>
<td><strong>MUS 319</strong> [2]</td>
<td>Elementary Music Methods</td>
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<tr>
<td><strong>MUS 323</strong> [2]</td>
<td>Jazz Pedagogy</td>
</tr>
<tr>
<td><strong>MUS 338</strong> [3]</td>
<td>Vocal &amp; Instrumental Scoring</td>
</tr>
<tr>
<td><strong>MUS 370T</strong> [5]</td>
<td>String Techniques I</td>
</tr>
<tr>
<td><strong>MUS 371T</strong> [5]</td>
<td>String Techniques II</td>
</tr>
<tr>
<td><strong>MUS 372B</strong> [5]</td>
<td>Brass Techniques I</td>
</tr>
<tr>
<td><strong>MUS 372P</strong> [5]</td>
<td>Percussion Techniques I</td>
</tr>
<tr>
<td><strong>MUS 373B</strong> [5]</td>
<td>Brass Techniques II</td>
</tr>
<tr>
<td><strong>MUS 373P</strong> [5]</td>
<td>Percussion Techniques II</td>
</tr>
<tr>
<td><strong>MUS 453</strong> [2]</td>
<td>Career Skills for Musicians</td>
</tr>
</tbody>
</table>

### REQUIREMENTS FOR THE MINOR

**Unit Requirement: 18**

**Required Courses (6 units)**
- **MUS 104** [3] Introduction to Music

**Applied Instruction (3 units)**
- Complete three semesters (3 courses) chosen from:
  - **MUS 108** [1] Class Applied Instruction
  - **MUS 109** [1] Class Applied Instruction
  - **MUS 112** [1] Piano I
  - **MUS 113** [1] Piano II
  - **MUS 130** [1] Piano III
  - **MUS 330** [1] Piano IV
  - **MUS 222-236** Studio Instruction.

**Ensembles (3 units)**
- Complete three semesters (3 units) from:
  - **MUS 406 or MUS 407** [1] Performance Ensemble

**Electives (6 units)**
- Complete 6 units of electives to be chosen from:
  - **MUS 214** [3] Theory I
  - **MUS 302** [3] Music in World Culture
  - **MUS 305** [3] Jazz: An American Art Form
  - **MUS 318** [2] Jazz Improvisation
  - **MUS 320** [3] Composition: Film Scoring
  - **MUS 323** [2] Jazz Pedagogy
  - **MUS 324** [2] Contemporary Composition Techniques
  - **MUS 453** [2] Career Skills for Musicians

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*See separate list of specific ensemble requirements for each instrument, available from the Department of Music*

*An additional semester of MUS 324 or MUS 238 may be substituted for one of the four semesters of MUS 438 with advisor approval.*
NATIVE AMERICAN STUDIES

Bachelor of Arts degree with a major in Native American Studies
Minor in Indigenous Peoples, Natural Resource Use & the Environment
Minor in Native American Studies
Minor in Tribal Leadership

Department Chair
Cutcha Raising Baldy, Ph.D.

Department of Native American Studies
Behavioral & Social Sciences 206
707-826-4329
humboldt.edu/nasp

The Program
The Department of Native American Studies is an independent academic department, where students are prepared for careers and advanced study in which collaboration with native communities plays a vital role. Students are provided with quality instruction utilizing interdisciplinary, research and public service curriculum that foregrounds Native American epistemologies and knowledges. Our students gain skills in and are challenged to think creatively, logically, and critically with regard to literature, art, history, law, environment and politics. This prepares them to go out into the world with a knowledge of Native American issues that will make them assets to the communities in which they work and live.

Native American Studies maintains the core position that cultural, spiritual and educational growth are inseparable. With that in mind, we are committed to guiding students toward becoming productive and socially responsible individuals. To achieve this the program curriculum fosters diversity, social justice and cultural democracy with a commitment to scholarly rigor, theoretical clarity, and critical/creative pedagogy, all while recognizing our responsibility to indigenous communities.

Students graduating with a major in Native American Studies will have demonstrated:

- Mastery of the ability to research issues affecting life in Indian Country by determining the extent of information needed, accessing the various sources, and using the information effectively, and do so in a manner that is culturally responsible, ethical and legal.
- Mastery of the ability to identify and navigate the system of state, federal and tribal agencies and policies to further the objectives of tribal governments and tribal sovereignty.
- Mastery of the ability to identify, analyze and respond to environmental issues affecting indigenous communities by identifying responsible policies that are free from discrimination, and take into account the diverse Indigenous cultural perspectives of natural resource management.
- Mastery of the ability to think in a clear, reasoned and reflective manner that is informed by evidence about the unique federal-tribal relationship. Indigenous ways of governing and the principles of Native American justice.
- Ability to present themselves professionally and appropriately in an academic or career setting.

Unique among the CSU campuses in its close proximity to 11 federally recognized tribes and the largest population of Native Americans in the state of California, HSU provides a rich environment for studying federal Indian law, tribal government and justice systems, natural resource management, linguistics and culture. Faculty in the Department of Native American Studies are experts in the areas of arts, humanities, linguistics, social sciences, natural resources and federal Indian law.

The major in Native American Studies, particularly when combined with a minor in a specific field, is good preparation for graduate work in several social sciences, as well as for professional training in law, business, or social work. It also provides an excellent background for prospective teachers.

Other career opportunities: student services counselor, mental health worker, cultural resources specialist, tribal museum curator, Indian language teacher, and tribal administrator.

Preparation
High school students should take writing, literature and social science courses [history, psychology, sociology].

Community college students should take introductory courses in Native American Studies and courses that meet lower division general education requirements.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 67-82.

Unit Requirement
Core units: 31
Electives/emphasis units: 6-7
Total units in the major: 37-38
Total units required to graduate: 120

Core Courses (31 units)
Lower Division
NAS 104 [3] Introduction to Native American Studies

Upper Division
NAS 301 [3] Native American Literature
NAS 325 [3] Native Tribes of California
NAS 340 [3] Language & Communication in Native American Communities
NAS 492 [3] Native American Studies Capstone Experience

Electives/Optional Emphasis (6-7 units)

After taking the required core courses, all students will select an additional 6 to 7 units of coursework. Students may pursue a "General" NAS degree and choose courses from any of the 4 elective areas, or choose an emphasis in which to specialize [Law & Government, Environment & Natural Resources, Language & Literature, etc.].
If a student chooses an optional emphasis, the student must take two courses in that area.

**Electives/Optional Emphasis (6-7 units)**

A student may choose an optional emphasis from the following electives by taking two of the courses listed under a category below.

**Law & Government**
- NAS 468 [3] Tribal Justice Systems

**Environment & Natural Resources**

**Language & Literature**
- NAS 345 [3] Native Languages of North America

**Society & Culture**
- NAS 320 [3] Native American Psychology

**Supplement/Substitute in Major If Offered**

Upper division elective courses are recommended for those who would like to pursue interests in subjects or to engage in more in-depth study of an area not required as part of the NAS curriculum. Before enrolling in these elective courses, students will consult with their major advisor. These courses will be offered on an infrequent schedule.

- NAS 392 [3] Indigenous Identities in Film
- NAS 480 [1-4] Special Topics [Topics vary and may be repeated.]

**REQUIREMENTS FOR THE MINORS**

**Minor in Native American Studies**

Total units required for the minor: 15-17

Students take a total of 9 units of required courses plus 6-8 units (two courses) from one of two emphasis categories below.

**Required Courses (9 units)**
- NAS 104 [3] Introduction to Native American Studies

**Emphasis Categories (6-8 units)**

Complete two upper division courses from one of the following emphasis categories to fulfill the requirements of the minor:

**Culture & Community Emphasis**
- NAS 301 [3] Native American Literature
- NAS 325 [3] Native Tribes of California

**Law & Policy Emphasis**

**Minor in Tribal Leadership**

Total units required for the minor: 16

**Lower Division (6 units)**
- NAS 104 [3] Introduction to Native American Studies

**Upper Division (10 units)**
- NAS 468 [3] Tribal Justice Systems

**Minor in Indigenous Peoples, Natural Resource Use & the Environment**

Total units required for the minor: 17

**Lower Division (3 units)**
- NAS 104 [3] Introduction to Native American Studies

**Upper Division (14 units)**
Master of Science degree in Natural Resources — with concentrations in:
- Environmental Science & Management
- Fisheries
- Forest, Watershed & Wildland Sciences
- Wildlife

Minor in Natural Resources (see Environmental Science & Management)

Natural Resources Graduate Program
Forestry Building 101
707-826-3256
CNRSmast.humboldt.edu

Graduate Coordinator
Erin Kelly,
707-826-4150
eck107@humboldt.edu

The Program
A student in this program will:
- carry out a scientific investigation of phenomena in a natural system that includes: a) Formulation and statement of a research question based on literature review, b) Design and implementation of study using appropriate quantitative or qualitative methodology, c) Presentation of research results, and d) Discussion of the relationship of the research results to the field of study and their broader relevance.
- communicate scientific investigation in writing, using accepted structure, style, and format for scientific reports and papers in the discipline.
- communicate scientific investigation in oral presentation, using accepted structure, format, and visual aids for scientific presentations in the discipline.
- apply appropriate mathematical, computer simulation, statistical models and/or qualitative methods in their research.
- articulate the relationship of his/her scientific investigation to the physical, ecological, and/or socioeconomic aspects of a problem in the natural environment.

Program Admission Requirements
Applicants must possess preparation equivalent to the baccalaureate degree. Adequate academic preparation can best be demonstrated by a baccalaureate degree in the chosen option or in a closely related field. Applicants who lack adequate preparation may be required to make up academic deficiencies through additional course work. Such course work may not be used toward the graduate degree.

Applicants must have a minimum GPA of 3.00 for the last 60 undergraduate units. Applicants with extensive work experience, exceptional GPA, or GRE scores may be reconsidered by appeal to the department faculty to the Graduate Advisory Council through the graduate coordinator.

Applicants are not required to submit Graduate Record Exam (GRE) scores unless specifically requested by a potential faculty advisor. Applicants should contact the professor(s) they are interested in working with to determine if the GRE is needed.

Please refer to the College of Natural Resources & Sciences website at cnrs.humboldt.edu or contact CNRSmast@humboldt.edu for additional information.

REQUIREMENTS FOR THE DEGREE
For a description of degree requirements to be fulfilled in addition to those listed below, see, “The Master’s Degree” section of the catalog, pp. 83-84.

Natural Resources Graduate Program Core Courses (16 units)

Required Course (3)

Analytical Methods (4) units
FISH 556  [4] Fish Population Dynamics
STAT 333  [4] Linear Regression Models / ANOVA

Research & Thesis (9 units)
Students complete a combination of thesis and research units for a total of 9 units. Students select course based on their program concentration.
ESM 695  [1-4] Field Research
FISH 695  [1-4] Research Problems in Fisheries
FWWS 695  [1-3] Field Research Problems
WLDF 695  [1-3] Advanced Field Problems

Thesis (Maximum 6 units)
Students select course based on their program concentration
FWWS 690  [1-3] Thesis Research
WLDF 690  [1-3] Thesis

All students are required to enroll in at least 1 unit of program specific 690 and 695 every semester.

Culminating Experience
A thesis, public oral presentation, and closed formal defense are required.

Environmental Science & Management Concentration
Total units required for the degree: 30
ESM graduate studies are oriented toward environmental analysis and land use planning; environmental science, particularly ecological restoration, renewable energy, and energy policy; recreational use of natural resources; and geospatial analysis of environmental and natural resource-related topics.

Required Courses
ESM 685  [1-3] Graduate Seminar

Approved Electives
Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.

Fisheries Concentration
Total units required for the degree: 30
The Fisheries program is designed primarily to produce graduates who can assess, develop, and manage fish habitats, populations, and commercial and recreational fisheries. The program is broad enough to allow students to prepare themselves for work in additional areas such as water pollution ecology and fish culture.

Required Courses
FISH 310  [4] Ichthyology
FISH 558 [4] Fish Population Dynamics
FISH 685 [1] Graduate Fisheries Seminar

Approved Electives
Approved upper division and graduate electives to bring total units to no fewer than 30 and no more than 60 units. At least half of these units must be courses organized and conducted at the graduate level.

Forest, Watershed & Wildland Sciences Concentration
Total units required for the degree: 30
Graduate studies in Forest, Watershed & Wildland Sciences are oriented toward generating a greater understanding of the ecology and management of forests, rangelands, and the soils and watersheds that support them. Graduate research is focused on a wide variety of topics, including forest ecology, fire science, forest growth and dynamics, forest operations analysis, watershed processes, rangeland ecology, soil science, and integrative analyses across these areas.

Required Courses

Approved Electives
Approved upper division and graduate electives bringing the total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.

Wildlife Concentration
Total units required for the degree: 30
Wildlife focuses on the conservation, management, ecology, behavior, and habitat requirements of wildlife species. Research projects emphasize the application of science to addressing issues in wildlife conservation and management.

Required Courses
WLDF 585 [1-3] Seminar in Wildlife Management

Approved Electives
Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.
Bachelor of Science degree with a major in Nursing (RN to BSN)

Program Director
Kimberly Perris, DNP

Nursing Program Office
707-826-4533
nursing.humboldt.edu
nursing@humboldt.edu

Department Chair
Justus Ortega, Ph.D.

Department of Kinesiology & Recreation Administration
Kinesiology & Athletics 305
707-826-4536
kra.humboldt.edu

The Program
The nursing (RN to BSN) program is designed for students who have earned an associate degree in nursing (see admission requirements below) and want to advance their skills in leadership, care management and health promotion. The program’s curriculum is designed specifically for the local area, focusing on physical and psychosocial health needs and disparities within the region’s rural and tribal communities. The program accommodates working nurses with a flexible blend of online and in-person courses. Students will be required to meet on campus for a pre-semester orientation, plus two weekend intensives each semester. The remainder of the program will be online.

Program Learning Outcomes
Graduates of this program will be able to:
- Identify ways to improve healthcare in the US and they will acquire leadership skills necessary to advocate for such improvements in rural populations.
- Apply knowledge of social and cultural factors to the care of diverse populations.
- Integrate patient care technologies as appropriate to address the diverse needs of a rural patient population.
- Develop a nursing philosophy that formulates how they will apply their personal strengths to the care of others while nurturing their own personal health and wellness.
- Analyze data and apply relevant research to identify evidence-based solutions in their area of specialization.

Program Admission Requirements
To be eligible for admission to the program, candidates must:
- be a graduate of a nationally recognized, regionally accredited associate degree program in nursing
- have a current, clear, and active California Registered Nursing (RN) license
- have a minimum cumulative GPA of 2.75 from all transfer institutions
- have completed the following eight CSU system-wide nursing program prerequisites (CSU GE Breadth Areas A and B) with a grade of C or better. Note: Courses in parentheses are examples of HSU courses that meet this prerequisite.
  - Oral communication (COMM 100)
  - Written communication (ENGL 104)
  - Critical Thinking
  - Chemistry: general, inorganic, organic or inorganic (CHEM 107, CHEM 109, CHEM 128)
  - Human anatomy with lab (Zool 270)
  - Human Physiology with lab (Zool 113)
  - Microbiology with lab (BIOL 210)
  - Statistics (STAT 108)
  *with associated lab, if required at the institution where the course was taken.

Students are required to maintain current California Registered Nurse licensure while enrolled in nursing courses. It is the student’s responsibility to notify the program director immediately, in writing, of any changes in licensure status.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

General Education Notes: The Upper Division Area B General Education requirement is met by the coursework within the nursing major. The department suggests that students select Upper Division GE area C and area D courses that also meet Diversity and Common Ground (DCG) requirements.

Students may be awarded up to 10 lower division units and 7 upper division units using the standardized external National Council Licensure Examination NCLEX-RN to demonstrate prior learning of the pre-licensure art and science of nursing required by the Board of Registered Nursing.

Special Grade Requirement
A minimum grade of C must be earned in all major courses.

Unit Requirements
Units in the major (including 17 units from NCLEX-RN) 44
Total units required for the degree: 120

Programs Leading to Licensure & Credentialing
Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements.

The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states’ educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state’s requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(e)(5)(iv)(C).
Required Courses (27 units)

HED 451 [3] Nutrition for Chronic Disease
NRSG 348 [3] Development for Professional Practice
NRSG 350 [3] Pathophysiology for Nursing Practice
NRSG 372 [3] Health Assessment & Promotion Across the Lifespan
NRSG 390 [3] Nursing Informatics & Information Literacy & Competency
NRSG 460 [3] Nursing Leadership & Management Dynamics
NRSG 470 [3] Community/Public Health Nursing
NRSG 471 [3] Community/Public Health Nursing Lab
NRSG 490 [3] Introduction to Nursing Research
Oceanography

Bachelor of Science degree with a major in Oceanography

Minor in Oceanography

Department Chair
Christine Cass, Ph.D.

Department of Oceanography
Natural Resources Building 200
707-826-3540, fax 707-826-4145
humboldt.edu/oceanography

The Program

Students completing this program will have demonstrated:

- utilization of scientific concepts from biology, chemistry, geology, physics, and mathematics to understand fundamental oceanographic processes and functions
- the ability to employ appropriate sampling, laboratory, and computer techniques to collect, measure, and interpret oceanographic information
- integration of conceptual and technical understanding to address complex interdisciplinary problems in oceanography
- utilization of reading, writing, and oral skills to effectively communicate oceanographic information.

Humboldt’s students have the advantage of living in an ideal natural environment for marine studies, close to both the ocean and a number of estuaries and lagoons. Humboldt State University has a fully equipped marine laboratory in the nearby town of Trinidad and a research vessel docked in Humboldt Bay, allowing students to supplement classroom learning through laboratory and seagoing experiences and field trips.

Flexible coursework and experiences allow students a variety of choices while still providing an education of considerable breadth, an understanding of fundamental concepts unique to oceanography, and an appreciation of how concepts from allied fields interrelate.

The intent is to develop an interdisciplinary train of thought essential for understanding the marine environment.

Participants also study in depth a science related to oceanography, such as geology, chemistry, physics, or biology. This program allows a student to:

- prepare as an ocean scientist to collect, process, and aid in interpreting scientific data collected on oceanographic cruises and other fieldwork conducted by federal, state, educational, or private institutions and agencies;
- prepare for graduate study in oceanography or a related science by acquiring a broad, sound science background;
- secure a broad science background and sound fundamental education (for those with an interest in the major who do not intend to use it as a career).

Humboldt’s program prepares ocean scientists who collect, process, and interpret scientific data. Graduates excel in these careers: oceanographer, research assistant, marine biologist, marine products salesperson, aquatic biologist, marine geophysicist, hydrologist, water pollution technician, environmental specialist, scientific officer, hydrographic surveyor, earth scientist, aquatic chemist.

Preparation

Students should have a good background in biology, chemistry, physics, and mathematics. Competence with computers and a language other than English is recommended.

Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

The Upper Division Area B General Education requirement is met by the coursework within the major.

Unit Requirements

Total units in the major: 81
Total units required for the degree: 120

Lower Division (23 units)

BIOL 105 (4) Principles of Biology

CHEM 109 (5) General Chemistry I

CHEM 110 (5) General Chemistry II

GEOL 109 (4) General Geology

OCN 109 (3) General Oceanography & Laboratory

OCN 109L (1) General Oceanography Laboratory

OCN 260 (1) Sampling Techniques & Field Studies

Upper Division (27 units)

OCN 310 (4) Biological Oceanography

OCN 320 (4) Physical Oceanography

OCN 330 (4) Chemical Oceanography

OCN 340 (4) Geological Oceanography

OCN 370 (2) Library Research & Report Writing

OCN 420 (3) Oceans & Climate

OCN 485 (1) Undergraduate Seminar

OCN 495 (3) Field Cruise I

OCN 496 (2) Field Cruise II

Complete one of the following two groups:

Group One (31 units)

MATH 109 (4) Calculus I

MATH 110 (4) Calculus II

MATH 210 (4) Calculus III

PHYX 109 (4) General Physics A

PHYX 210 (4) General Physics B

Plus an 11-unit package of approved electives, tailored individually to the student’s educational goals.

Group Two (31 units)

MATH 105 (3) Calculus for the Biological Sciences & Natural Resources

MATH 215 (3) Multivariate Calculus for the Biological Sciences & NR

PHYX 106 (4) College Physics: Mechanics & Heat

PHYX 107 (4) College Physics: Electromagnetism & Modern Physics

STAT 109 (4) Introductory Biostatistics

Plus a 13-unit package of approved electives, tailored individually to the student’s educational goals.

Besides satisfying the major requirement, the elective package commonly leads to completion of a minor in a related field of study.

Requirements for the Minor

Total units required for the minor: 16

OCN 109 (3) General Oceanography & Laboratory

OCN 109L (1) General Oceanography Laboratory

OCN 260 (1) Sampling Techniques & Field Studies

Complete two of the following courses.

OCN 310 (4) Biological Oceanography

OCN 320 (4) Physical Oceanography

OCN 330 (4) Chemical Oceanography

OCN 340 (4) Geological Oceanography

Complete one additional course from the following list or a 300-level course listed above.

OCN 301 (3) Marine Ecosystems — Human Impact

OCN 304 (3) Resources of the Sea

OCN 410 (3) Zooplankton Ecology

OCN 420 (3) Oceans & Climate

OCN 495 (3) Field Cruise I

BIOL 430 (3) Intertidal Ecology

CHEM 370 (3) Earth System Chemistry

FISH 310 (4) Ichthyology

FISH 335 (3) US & World Fisheries

GEOL 460 (3) Solid Earth Geophysics

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PHILOSOPHY

Bachelor of Arts degree with a major in Philosophy

Minor in Philosophy — Asian Aspects, Ethics & Values, Fundamental Aspects, History of Western Philosophy

Department Chair
Benjamin Shaeffer, Ph.D.

Department of Philosophy
Behavioral & Social Sciences 506
707-826-4124, fax 707-826-4122
phil@humboldt.edu
philosophy.humboldt.edu

The Program

Students completing this program will have demonstrated the ability to:

- define concepts and use traditional vocabulary of philosophy
- use the logical methods of analysis to critically assess philosophical arguments
- apply methods of philosophy to specific issues and problems
- identify, articulate, and evaluate philosophical arguments.

The Philosophy major provides its students with the opportunity to engage in critical as well as constructive dialogue with the greatest thinkers in both the Eastern and Western traditions. This includes ideas and values, from ancient through contemporary works, which continue to influence and challenge our thinking in all areas of human thought and action. While learning how to read such works philosophically, both class discussions and writing assignments will assist the student in learning how to think, speak, and write philosophically. These skills will cultivate the power to logically analyze and holistically integrate concepts and theories, as well as lay the foundations for a lifetime of learning in that students will learn how to learn for themselves. A degree in philosophy will provide one of the best preparations both for an academic career, as well as for many other professions, such as law, medicine, government and education.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 45
Total units required for the degree: 120

Special Grade Requirement

Philosophy majors must earn a minimum grade of “C-“ in all courses taken to fulfill the major requirements; and must earn a minimum overall GPA of 2.00 in the major.

Lower Division

PHIL 100  [3] Logic

Upper Division

PHIL 302  [3] Environmental Ethics
PHIL 303  [3] Theories of Ethics
PHIL 342  [3] Descartes, Locke, Hume
PHIL 343  [3] Kant and the 19th Century
PHIL 345  [3] Philosophies of China, or
PHIL 346  [3] Philosophies of India
PHIL 371  [3] Contemporary Social & Political Philosophy
PHIL 420  [3] Contemporary Epistemology & Metaphysics
PHIL 425  [3] Philosophy of Science

Seminars

Complete two seminars selected from offerings of:
PHIL 495  [3] Seminar in Philosophy

Upper Division Electives

Complete two of the following courses:
PHIL 301  [3] Reflections on the Arts
PHIL 304  [3] Philosophy of Sex & Love
PHIL 307  [3] Philosophy of Law
PHIL 349  [3] Latin American Philosophy
PHIL 355  [3] Existentialism
PHIL 415  [3] Symbolic Logic
PHIL 485  [3] Seminar in Philosophy

(recommend suitable electives.

Special Grade Requirement

Philosophy minors must earn a minimum grade of “C-“ in all courses taken to fulfill the minor requirements; and must earn a minimum overall GPA of 2.00 in the minor.

Minor in Philosophy — Asian Aspects

Total units required for the minor: 12

Complete two of the following courses.
PHIL 345  [3] Philosophies of China
PHIL 346  [3] Philosophies of India

Complete two 3-unit electives in philosophy, one of which must be upper division.

Minor in Philosophy — Ethics & Values

Total units required for the minor: 12

PHIL 303  [3] Theories of Ethics

Complete two of the following courses.
PHIL 301  [3] Reflection on the Arts
PHIL 302  [3] Environmental Ethics
PHIL 304  [3] Philosophy of Sex & Love
PHIL 371  [3] Contemporary Social & Political Philosophy

Complete one lower or upper division 3-unit elective in philosophy.

Minor in Philosophy — Fundamental Aspects (recommended minor for pre-law)

Total units required for the minor: 12

PHIL 100  [3] Logic
PHIL 303  [3] Theories of Ethics
PHIL 420  [3] Contemporary Epistemology & Metaphysics

Complete one upper division, 3-unit philosophy elective. (If pre-law, PHIL 415: Symbolic Logic, is recommended.)

Minor in Philosophy — History of Western Philosophy

Total units required for the minor: 12

PHIL 342  [3] Descartes, Locke, Hume
PHIL 343  [3] Kant and the 19th Century

Complete one lower or upper division 3-unit elective in philosophy.

- - -
The Program
The physical science degree is less specialized than the physics major, and therefore more adaptable to studies in various fields, including preparation for teaching at the middle or secondary school level.

REQUIREMENTS FOR THE MAJOR (Physical Science BA)
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Special Grade Requirement
A minimum grade of C- is required for all courses with the “PHYX” prefix for the physical science major.

Unit Requirements
Total units in the major: 57
Total units required for the degree: 120

Lower Division (37 units)
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 241 (3) Elements of Linear Algebra
PHYX 109 (4) General Physics A: Mechanics
PHYX 210 (4) General Physics B: Thermodynamics, Waves & Optics
PHYX 211 (4) General Physics C: Electricity & Magnetism

Upper Division Electives
Complete 12 units of approved upper division courses within the physical sciences, (chemistry, geology, oceanography, physics), mathematics, or engineering.
The Program

Students completing this program will have demonstrated:

- understanding of how physics attempts to describe processes in nature
- competency in abstract reasoning and problem-solving skills
- understanding and use of physical and mathematical models
- knowledge of physics concepts applicable to a range of disciplines
- understanding of how physics relates and applies to studies in other disciplines
- breadth, depth, and rigor expected of a student with an undergraduate degree in physical science
- proficiency and skill in constructing and performing laboratory experiments and in the interpretation of experimental observations
- understanding the theories that support modern physical science.

This program is the prerequisite to many research positions offered by government and industry, and to graduate study. Careers in physics often require advanced degrees beyond the BS. Typical opportunities: aerospace engineer, astrophysicist, computer programmer, electronic engineer, aerospace engineer, atmospherologist, environmental scientist, environmental scientist, geologist, geophysicist, meteorologist, physicist, chemist, industrial hygienist, oceanographer, physical chemist, geophysicist, physicist.

The university’s nearby observatory on Fickle Hill has a 16-inch telescope, a 12-inch telescope, and several 8-inch telescopes for student and community use. The department also offers a well-equipped computer electronics laboratory.

Preparation

In high school take English, mathematics, and physics.

Requirements for the Major

Requirements for the Major (Physics BS)

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82. The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for either option in the Physics major.

Unit Requirements

Core requirements: 67
Astronomy/Physics units: 9/11
Total units in the major: 76/78
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of C- is required for all courses with the ‘PHYX’ prefix for the physics major.

Core Courses (67 units)

The following core courses are required for all physics majors.

Lower Division

CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 241 (3) Elements of Linear Algebra
PHYX 109 (4) General Physics A: Mechanics
PHYX 210 (4) General Physics B: Thermodynamics, Waves & Optics
PHYX 211 (4) General Physics C: Electricity & Magnetism

Upper Division

MATH 311 (2) Vector Calculus
MATH 313 (4) Ordinary Differential Equations
PHYX 320 (3) Modern Physics
PHYX 324 (4) Analytical Mechanics
PHYX 325 (4) Thermal Physics
PHYX 340 (2) Mathematical and Computational Methods
PHYX 441 (3) Electricity & Magnetism I
PHYX 442 (3) Electricity & Magnetism II
PHYX 450 (4) Quantum Physics I
PHYX 484 (0.5) Physics Seminar I
PHYX 485 (0.5) Physics Seminar II

Complete one of the following to fulfill the requirements of the major:

Astronomy Concentration (11 units)

PHYX 310 (3) Spacetime & Relativity
PHYX 360 (4) Physics of Stars & Planets
PHYX 361 (4) Galaxies and Cosmology

Physics - traditional (9 units)

PHYX 315 (3) Intro to Electronics & Electronic Instrumentation
PHYX 316 (4) Electronic Instrumentation & Control Systems
PHYX 462 (2) Senior Lab

Those students intending to enter graduate school in physics should take more courses in physics and mathematics. For example:

MATH 240 (3) Intro to Mathematical Thought
MATH 314 (3) Partial Differential Equations
MATH 343 (4) Intro to Algebraic Structures
MATH 344 (3) Linear Algebra
MATH 351 (4) Intro to Numerical Analysis

Requirements for the Minor

Minor in Astronomy

Total units required for the minor: 21-32

Special Grade Requirement

A minimum grade of C- is required for all courses with the “PHYX” prefix for the physics minor.

Lower Division

Complete one of the following series of courses:

MATH 101T (3) Trigonometry, or
MATH 102 (4) Algebra & Elementary Functions
PHYX 104 (4) Descriptive Astronomy
PHYX 106 (4) College Physics: Mechanics & Heat
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics

OR

MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus II

2021-2022 Humboldt State University Catalog
PHYX 109 (4) General Physics A: Mechanics
PHYX 210 (4) General Physics B: Thermodynamics, Waves & Optics
PHYX 211 (4) General Physics C: Electricity & Magnetism

Upper Division

Complete two of the following courses.

PHYX 303 (3) Life in the Universe
PHYX 304 (4) Cosmos
PHYX 310 (3) Spacetime & Relativity
PHYX 360 (4) Physics of Stars & Planets
PHYX 361 (4) Galaxies and Cosmology

Minor in Physics

Total units required for the minor: 30

Special Grade Requirement

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics minor.

Lower Division

MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus II
PHYX 109 (4) General Physics A: Mechanics
PHYX 210 (4) General Physics B: Thermodynamics, Waves & Optics
PHYX 211 (4) General Physics C: Electricity & Magnetism

Upper Division

PHYX 320 (3) Modern Physics, or CHEM 362 (3) Physical Chemistry II

Plus 3 additional units of upper division physics courses:

PHYX 310 (3) Spacetime & Relativity
PHYX 315 (3) Intro to Electronics & Electronic Instrumentation
PHYX 324¹ (4) Analytical Mechanics
PHYX 325 (4) Thermal Physics
PHYX 340¹ (2) Mathematical & Computational Methods
PHYX 420¹ (4) Optical Systems Design
PHYX 441¹ (3) Electricity & Magnetism I
PHYX 450¹ (4) Quantum Physics I
PHYX 495 (1-3) Selected Topics in Physics for Seniors — Undergraduate Research

¹ Course requires one or more prerequisites that are not required elsewhere in the minor. See course description for prerequisites.
Bachelor of Arts degree with a major in Political Science — with concentrations also available in:
  Law & Policy
  Politics of Environment & Sustainability
  Global Politics

Minor in Political Science

Department Chair
Stephanie Burkhalter, Ph.D.

Department of Politics
Founders Hall 180
707-826-4494
politics.humboldt.edu

The Program
Our classes focus on critical engagement with current political practices globally and in the U.S. The Political Science major will give you the skills you need to pursue a career in political organizing, public policy, government, or law. Learn how to save the world... one step at a time.

As part of their degree requirements, students pursue one or more of the following hands-on learning opportunities: they can participate in Model United Nations, Moot Court, and local internships with government and non-profit organizations.

Our department offers three distinctive concentrations within the major: Students can choose to concentrate in one of these areas or can complete a major without a concentration.

Preparation
In high school take courses in English, history, and government.

Program Learning Outcomes
Students completing this program will have demonstrated:
  • proficiency in written and oral communication.
  • Dual Degree Pathway (BA & MA)
Students interested in pursuing a graduate degree while at HSU may wish to consider the dual degree pathway with the Master of Arts in Social Science, Environment and Community graduate program. The dual degree pathway enables exceptional students to earn a bachelor’s and a master’s degree in five years. Please refer to the Social Science M.A. program description in this catalog for more information.

Requirements for the Major
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Core units: 21
Traditional/concentration units: 20
Total units in the major: 41
Total units required for the degree: 120

Special Grade Requirement
All courses required for the major must be completed with a minimum grade of C-.

Core Courses (21 units)
The following core courses are required for all political science majors.

Lower Division
PSCI 220 [3] Intro to Political Theory
PSCI 230 [3] Intro to Comparative Politics
PSCI 240 [3] Intro to International Relations
PSCI 280 [1] Core Discussion Seminar
PSCI 295 [4] Political Research & Analysis

Upper Division
Experience
Complete at least one of the following:
PSCI 413 [3] Moot Court
PSCI 376 [2] Multilateralism & the UN System, and
PSCI 482 [3] Internship

Capstone

Complete one of the following to fulfill the requirements of the major:

Political Science — Traditional (20 units)
Select a minimum of 20 units of upper division political science coursework in consultation with major advisor.

Law & Policy Concentration (20 units)
PSCI 317 (4) Public Policy Process
PSCI 350 (4) U.S. National Politics, or
PSCI 410 (4) U.S. Constitutional Law

Complete at least one of the following courses, or all three of the courses above.

Politics of Environment & Sustainability Concentration (20 units)
CRGS 360 [4] Race, Gender & US Law
PSCI 347 [4] U.S. Foreign Policy
PSCI 358 [4] Political Advocacy
PSCI 412 [4] Legal Research
PSCI 441 [4] International Law

Plus additional upper division PSCI courses from any concentration or the list below to total 41 units for the major.

Global Politics Concentration (20 units)
PSCI 343 (4) Global Governance

Complete at least 8 units from the following courses:
PSCI 303 (3) Third World Politics
PSCI 324 (4) The Arab-Israeli Conflict: History, Narratives & Nationalism
PSCI 330 (4) Political Regimes & Political Change [May be repeated with different world regions or topics]
PSCI 340 (4) Ethnicity & Nationalism
PSCI 347 (4) U.S. Foreign Policy
PSCI 360 (4) Political Economy
PSCI 441  (4) International Law

Plus additional upper division PSCI courses from any concentration or the list below to total 41 units for the major.

Additional Upper Division Courses
- PSCI 323  (4) Topics in Political Theory
- PSCI 327  (4) Radical Political Thought
- PSCI 354  (4) Media & Public Opinion
- PSCI 371  (1-4) Experiential Workshop
- PSCI 381S (1) Community Leadership in Action
- PSCI 387  (1) International Education Colloquium
- PSCI 491  (1-4) Mentoring
- PSCI 495  (1-4) Field Research
- PSCI 499  (1-4) Directed Study

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 22

Special Grade Requirement
A minimum grade of C- must be earned for all courses in the minor.

Lower Division
Complete two courses from the following:
- PSCI 220  (3) Intro to Political Theory
- PSCI 230  (3) Intro to Comparative Politics
- PSCI 240  (3) Intro to International Relations

Upper Division Electives
Complete a minimum of 16 units of 300 or 400 level coursework.
Psychology

Bachelor of Arts degree with a major in Psychology

Minor in Psychology

Master of Arts degree in Psychology — with concentrations in:
Academic Research
Counseling (MFT)
School Psychology

Department Chair
Tasha R. Howe, Ph.D.

Department of Psychology
Behavioral & Social Sciences 410
707-826-3755
humboldt.edu/psychology

The BA Program

There are two pathways for the BA in Psychology. The Graduate Study Preparation Pathway is for students who desire an advanced degree in psychology or related discipline or seek a greater understanding of research methods. The General Psychology Pathway is for students who plan to obtain a bachelor’s degree in Psychology and then either enter the workforce or obtain a graduate degree in another field.

Students will demonstrate:
• knowledge of the major concepts, theories, and empirical findings in the core content areas of psychology.
• knowledge of methodological, analytical, and research skills appropriate to the field of psychology.
• knowledge of the sociocultural and contextual nature of psychology.
• knowledge of ethics involved in conducting research and working in the field of psychology.
• skills needed for postbaccalaureate employment, graduate, or professional school.

The Department of Psychology at HSU offers preparation for licensure as a Marriage-Family Therapist (MFT), and an MA program with content emphases in academic research, neuroscience, social and cognitive psychology, developmental psychology, and behavior analysis.

Students have access to neuroscience laboratories, research and computer labs, a library of psychological tests and measurements, and other resources for psychological research and applications.

The B.A. degree with a major in psychology is excellent preparation for graduate school and careers. Many of our students have been accepted into prestigious nationally recognized Ph.D. programs and many have gone on to master’s degree programs. The psychology major [graduate study preparation pathway] provides the background needed for graduate programs in most areas of psychology require a Ph.D. or MA degree. Executives, lawyers, and business leaders often have a bachelor’s degree in psychology and advanced degrees in other areas. If you are not planning on graduate school, psychology graduates (on both paths) still leave with a number of highly marketable skills such as the ability to collect, organize, analyze, and interpret data; write reports and proposals clearly and objectively; communicate effectively and sensitively with people from diverse backgrounds, solve problems and apply critical thinking and interpersonal skills to new contexts.

A B.A. degree in psychology is helpful in health and social service professions, such as nursing and social work, as well as, in other career areas such counseling, media, management, survey research, assessment or program evaluation, and law enforcement.

The master’s degree in psychology, combined with an appropriate credential or license, may lead to careers such as school psychologist, counselor in a social service agency, marriage and family therapist, or board certified behavior analyst.

Traineeships and internships with local public and private agencies are arranged for graduate students in counseling, behavior analysis, and school psychology. The department’s counseling clinic provides additional supervised opportunities for counseling graduate students. The School Psychology practicum provides graduate students assessment practice regarding learning and other cognitive disabilities in college students.

Preparation

High school algebra is required and courses in biology are recommended.

REQUIREMENTS FOR THE MAJOR (Bachelor of Arts)

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 39-46
Total units required for the degree: 120

Lower Division

Select one pathway.

General Psychology Pathway
PSYC 104 (3) Introduction to Psychology
PSYC 240 (3) Understanding Research in Psychology

Graduate Study Preparation Pathway
PSYC 104 (3) Introduction to Psychology
PSYC 241 (4) Introduction to Psychological Statistics
PSYC 242 (4) Introduction to Psychological Research Design & Methodology

Additional Upper Division Requirement (1-2 units). Complete at least one of the core content corequisite “D” discussion or breadth courses listed below. The total for the core content will increase to 20 units or the breadth will increase to 13 units, depending on the course selected.

PSYC 311D (2) Human Development Discussion
PSYC 320 (4) Behavior Analysis Discussion
PSYC 324D (2) Cognitive Psychology Discussion
PSYC 325 (4) Advanced Behavioral Neuroscience
PSYC 335D (2) Social Psychology Discussion
PSYC 337D (2) Personality Theory & Research Discussion
PSYC 345L (4) Psychological Testing & Measurement

Upper Division Coursework

NOTE: The Psychology Department requires that all psychology students adhere strictly to the Ethical Standards of Psychologists, published by the American Psychological Association, and to all department procedures and policies concerning use of humans and nonhumans as experimental participants. Failure to comply will result in immediate expulsion from the department’s programs, courses, and facilities.
The following upper division coursework is required for all undergraduate psychology majors [either pathway]

**Core Content Areas in Psychology (18 units)**

Complete six of the following seven courses.

**Introductory Phase (6 units)**

PSYC 311 [3] Human Development
PSYC 321 [3] Intro Behavioral Neuroscience
PSYC 322 [3] Learning & Motivation
PSYC 324 [3] Cognitive Psychology
PSYC 335 [3] Social Psychology
PSYC 337 [3] Personality Theory & Research
PSYC 438 [3] Dynamics of Abnormal Behavior

**Breadth Requirements (12 units)**

Complete 12 units from the following:

- PSYC 300 [3] Psychology of Gender [DCG-d]
- PSYC 303 [3] Family Relations in Contemporary Society
- PSYC 320 [4] Behavior Analysis
- PSYC 411 [3] Social Neuroscience
- PSYC 414 [3] Psychology of Adolescence & Young Adulthood
- PSYC 415 [3] Psychology of Aging & Older Adulthood
- PSYC 454 [3] Interviewing & Counseling Techniques
- PSYC 488 [4] Regression/Multivariate Topics
- PSYC 489S [3] Community Psychology

No more than 3 units from the following section may be applied to the breadth requirement.

PSYC 480 [5-3] Selected Topics in Psychology
PSYC 482 [1-4] Field Study
PSYC 495 [1-4] Research in Psychology
PSYC 496 [3] Psychology Research Seminar
PSYC 497 [1-3] Mentoring
PSYC 499 [1-3] Independent Study

**Capstone Experience (3 units)**

Complete one of the following:

- PSYC 485 [3] Senior Seminar
- PSYC 490 [3] Senior Honors Thesis
- PSYC 600 series Advanced Seminars (IA)

**REQUIREMENTS FOR THE MINOR**

Total units required for the minor: **18**

Complete at least 18 units, 9 of which must be upper division. At least 3 units must be completed at HSU.

**Introductory Phase (6 units)**

PSYC 104 [3] Introduction to Psychology
PSYC 240 [3] Understanding Research in Psychology

**Core Content Areas (6 units)**

Complete two courses from the Core Content Areas in Psychology course list [see requirements for the major].

**Upper Division Breadth (6 units)**

Complete two courses from the breadth requirements approved course list. [see requirements for the major].

**THE MASTER OF ARTS DEGREE IN PSYCHOLOGY PROGRAM**

Humboldt offers three concentrations, Academic Research, Counseling (MFT), and School Psychology, within the Master of Arts degree in Psychology.

**Program Admission Procedures**

The following admission procedures are required for all concentrations.

- A California State University application form. All applicants apply to the university through calstate.edu/apply.
- Official transcripts of all college-level work (from every institution attended). Current HSU students need not request transcripts.
- Three letters of recommendation demonstrating academic and professional potential. At least one from faculty, the others can come from employers or professionals.

Each concentration maintains different admission requirements and prerequisites. It is essential, therefore, that students contact the Department of Psychology for specific information.

**REQUIREMENTS FOR THE DEGREE MASTER OF ARTS**

For a description of degree requirements to be fulfilled in addition to those listed below see, “The Master’s Degree” section of the catalog, pp. 83-84.

All three concentrations require recommendation by the department for advancement to candidacy and a minimum GPA of 3.00 in all work toward the degree, with no grade lower than a B-. In School Psychology, one grade of C or below in a required course would result in disqualification.
The Social and Cognitive emphasis focuses on how thoughts, feelings, and behaviors are influenced by others and the mental processes underlying these influences. Our program prepares students for application to Ph.D. programs in Social or Cognitive Psychology.

Required Courses (7 units)

- PSYC 578  [4] Analysis of Variance, or
- PSYC 588  [4] Regression/Multivariate Topics
- PSYC 683 [1-3] Graduate Teaching Assistantship
- PSYC 684 [1-3] Graduate Teaching Internship
- PSYC 480/680 or other courses relevant to the concentration as approved by advisor and AR coordinator. Students may count PSYC 578/588 toward one elective if they complete both courses [see Requirements for Degree]

Elective Courses (8-19 units)

- PSYC 578  [4] Analysis of Variance, or
- PSYC 588  [4] Regression/Multivariate Topics
- PSYC 683 [1-3] Graduate Teaching Assistantship
- PSYC 684 [1-3] Graduate Teaching Internship
- PSYC 480: Selected Topics in Psychology.
- PSYC 680: Selected Topics in Contemporary Psychology, or other courses relevant to the
concentration as approved by advisor and graduate coordinator.

Students may count PSYC 578: Analysis of Variance, or PSYC 588: Regression/Multivariate Topics toward one elective if they complete both courses (see Requirements for Degree).

**Developmental Emphasis**

Developmental psychology is the study of both normal and atypical changes across the lifespan. The Developmental Emphasis prepares students to work with a wide variety of children and their families or pursue Ph.D. study.

**Required Courses (13 units)**

- PSYC 345L (4) Psychological Tests & Measurement
- PSYC 419 (3) Family Violence
- PSYC 518 (3) Advanced Developmental Psychopathology
- PSYC 638 (3) Diagnosis of Mental Disorders

**Elective Courses (2-19 units)**

- PSYC 303 (3) Family Relations in Contemporary Society
- PSYC 414 (3) Psychology of Adolescence & Young Adulthood
- PSYC 578 (4) Analysis of Variance, or PSYC 588 (4) Regression/Multivariate Topics
- PSYC 632 (3) Advanced Developmental Psychology
- PSYC 683 (1-3) Graduate Teaching Assistantship
- PSYC 684 (1-3) Graduate Teaching Internship
- PSYC 480/680 or other courses relevant to the concentration as approved by advisor and AR coordinator.

Students may count PSYC 578: Analysis of Variance, or PSYC 588: Regression/Multivariate Topics toward one elective if they complete both courses (see Requirements for Degree).

**Behavior Analysis Emphasis**

Behavior analysis is the design, implementation, and evaluation of instructional and environmental modifications to produce improvements in human behavior through skill acquisition and the reduction of problematic behavior. The Behavior Analysis Emphasis develops students' skills in conducting behavioral research and providing applied behavioral intervention services for children and adults in areas including education, developmental disabilities, and behavioral consulting. This program is designed to provide the coursework that constitutes part of the requirements for becoming a Board Certified Behavior Analyst.

**Required Courses (21 units)**

- PSYC 622 (3) Advanced Learning and Behavior
- PSYC 655 (3) Social-Behavioral Evaluation
- PSYC 680 (1) Professional Ethics in Behavior Analysis
- PSYC 682 (6) Fieldwork [6 units total over two semesters]
- PSYC 683 (3) Teaching Assistantship (for PSYC 320)
- EDUC 680 (2) Single-Subject Research Methods
- SPED 654 (3) Advanced Behavioral, Emotional, and Environmental Supports

**5th Year (Blended) Pathway**

Students may also apply while in undergraduate status to begin graduate coursework, allowing for the completion of the B.A. and M.A. in five years total. We strongly encourage HSU students who satisfy the admission requirements below to apply for the program in their junior year. Students applying for this program should discuss applying with their desired thesis chair.

**5th Year Prerequisites and Program Admission Requirements**

- All requirements listed in the section above titled Prerequisites and Program Admission Requirements, except completion of B.A.
- Completion of the departmental application (contact department office for form)
- Admission is also based on a match between student and faculty interests and the willingness of a faculty member to supervise the student's thesis or project research.

**5th Year Requirements for Degree**

All requirements listed in the section above titled Requirements for Degree (All Specializations) with the following deviations:

- Complete PSYC 647: Academic Research Proseminar during the 5th year.

**Master of Arts degree in Psychology: Counseling Concentration**

This master's degree in psychology is accredited by the California Board of Behavioral Sciences and provides most coursework for the Marriage and Family Therapist (MFT) and Licensed Professional Clinical Counselor licenses. Successful completion will allow the candidate to apply for internship status with the Board to accrue the post-degree hours of supervised practice necessary for state licensure.

**Program Coordinators**

Carrie Aigner, Ph.D.
Jen Petullo, M.A., LMFT.
707-826-3757

**The Program**

Students completing this program will have demonstrated:

- workable knowledge of standard psychotherapeutic techniques
- knowledge of and conformance to the laws, regulations, and professional ethics related to the practice of a master’s level psychotherapist
- the ability to understand and utilize research related to the field of counseling psychology
- appreciation and knowledge of issues of race, gender, ethnicity, sexual orientation, and religions as they relate to providing effective psychotherapeutic interventions.

The master's program counseling concentration provides a solid foundation in clinical theory and research, along with extensive training in clinical skills. Supervised fieldwork/practicum are a required part of the program, including experience in our on-site counseling clinic. Students are required to either pass a cumulative exam or complete a master's thesis. The cumulative exam is given in the fourth semester. The program is administered by a faculty committee that plans the curriculum, makes program policy, and selects students for admission.

**Prerequisites for Admission**

The following courses must be completed before the start of the program: Introduction to Psychology, Introduction to Research Design in Psychology, and Introductory Statistics.

At least two courses in: abnormal psychology, human development, personality theory, neuroscience, cognitive psychology, interviewing and counseling.

**Program Admission Requirements**

- A bachelor's degree with a minimum GPA of 3.00
- Some experience in human services and/or research
Goals that match the program’s objectives
The potential for becoming an effective and ethical psychotherapist
Resume
Prerequisite verification form
Demonstrated excellence in oral and written communication

Courses

First Semester [sample schedule]

- PSYC 654  [3] Interviewing & Counseling Techniques
- PSYC 660  [3] Law & Ethics in Psychology
- PSYC 662  [1] Practicum Preparation

Second Semester

- PSYC 636  [1] Sexuality Counseling
- PSYC 638  [3] Diagnosis of Mental Disorders
- PSYC 656  [3] Couples Therapy
  (includes spousal abuse treatment requirement)
- PSYC 682  [1-6] Fieldwork
  (to include individual supervision)

Third Semester

- PSYC 663  [1] Licensed Supervision
- PSYC 682  [1-6] Fieldwork

Fourth Semester

- PSYC 636  [1] Sexuality Counseling
- PSYC 640  [1] Aging & Long-Term Care
- PSYC 663  [1] Licensed Supervision
- PSYC 672  [3] Psychopharmacology
- PSYC 673  [1] Mental Health Addiction & Recovery
- PSYC 682  [1-6] Fieldwork

Some 1-unit courses may be offered as a weekend course or on a Friday.

Students who are unable to complete the required number of practicum hours by the end of their fourth semester, must register for an additional semester of PSYC 682 and PSYC 663.

Master of Arts degree in Psychology: School Psychology Concentration

Master’s degree in psychology and a California Credential authorizing service as a school psychologist. At program completion, students are recommended to the California Commission on Teacher Credentialing for a Pupil Personnel Services Credential with an authorization to practice as a school psychologist. Students are eligible to sit for the national licensing exam to become a Nationally Certified School Psychologist (NCSP).

Program Coordinator
Francis De Matteo, Ed. D., NCSP
707-826-4047

The Program

Graduates of this program enter careers as school psychologists in California public schools and assume positions as educational leaders in the area of pupil personnel services. Sequenced coursework and integrated field experience in school and community settings are integral aspects of the program. In addition to all course and fieldwork requirements, each candidate for the MA degree with a concentration in school psychology is required to complete a comprehensive portfolio containing examples of work in all of the California domains of professional practice. Students may also choose to complete a formal thesis as part of their MA degree.

Prerequisites for Admission

Courses in: general psychology, research methods, developmental psychology, introductory statistics, personality theory or abnormal psychology, and psychological tests and measurement.

Program Admission Requirements
- Resume
- Statement of intent
- Prerequisite Verification Form
- CBEST Exam Verification (to be completed by the end of the first semester)

First Semester

- PSYC 605  [3] Psychological Foundations/
- Cognitive/Biological Bases of Behavior
- PSYC 654  [3] Interviewing & Counseling Techniques

Second Semester

- PSYC 617  [3] Cognitive Assessment II
- Cognitive/Biological Bases of Behavior
  & Academic Difficulties
- PSYC 692  [1] School Psychology Portfolio Project

Third Semester

- PSYC 608  [2] Advanced Assessment/Case Presentation

Fourth Semester

- PSYC 659  [3] Mental Health in K-12 Schools

Internship [Third Year]

- PSYC 693  [0] Comprehensive Exam: School Psychology
- PSYC 784  [6-12] School Psychology Internship

Portfolio Project
- PSYC 693  [0] Comprehensive Exam: School Psychology
- PSYC 784  [6-12] School Psychology Internship
Bachelor of Science degree with a major in Rangeland Resource Science

Bachelor of Science degree with a major in Rangeland Resource Science — concentration in Wildland Soil Science

Minor in Rangeland Resource Science

Minor in Wildland Soil Science

See Natural Resources for information on the Master of Science degree.

Department Chair
David F. Greene, Ph.D.

Rangeland Ecology & Management Lead
Susan Edinger Marshall

Department of Forestry & Wildland Resources
Forestry Building 205
707-826-3935
humboldt.edu/fw

The Program

Students completing this program will be able to:

- Identify plants and quantify vegetation attributes
- Describe, classify and evaluate soil resource attributes
- Evaluate rangeland health using national standards
- Communicate effectively, using oral and written means, the factual basis, interconnectedness, and interpretation of rangeland/wildland soil science and management
- Demonstrate reasoning and critical thinking skills in solving scientific and resource management problems

Rangeland Resource Science. Learn to manage rangeland ecosystems wisely. Study forage, timber, wildlife, recreation, watersheds, and their interrelationships.

Classroom instruction is enhanced by the university’s plant, soil, and animal science laboratories. Humboldt also has a range herbarium. Nearby privately owned ranches and federal lands offer excellent opportunities for field study.

Potential careers: range conservationist, biological technician, range manager, environmental specialist, agricultural inspector, lands specialist, soil conservationist or soil scientist, range consultant, natural resources specialist, watershed manager, or ecosystem restoration specialist.

The Rangeland Resource Science concentration meets the qualifications for “Rangeland Management Specialist” and “Soil Conservationist” classifications for federal employment, and meets the educational requirements to apply to take the California Certified Rangeland Manager examination.

Wildland Soil Science Concentration. Learn to address the unique management requirements and problems of wildland soils. Wildland soils are uncultivated, natural soils supporting herbaceous and woody plant communities supplying timber, wildlife habitat, livestock forage, watershed values, and other ecosystem services.

Courses in this concentration cover the basic physical and biological sciences, introductory and advanced soil science, and soil and natural resource management.

Classroom instruction is enhanced by the university’s soil science laboratories and greenhouses. Research and demonstration sites on private and public lands in Northern California enhance field studies.

Potential careers: soil conservationist, soil scientist, soil consultant, environmental specialist, agricultural inspector, lands or natural resources specialist, restoration specialist, or watershed manager.

The Wildland Soil Science Concentration meets the qualifications for “Rangeland Management Specialist” and “Soil Scientist” position classifications in federal employment. This concentration also meets the educational requirements to take the Fundamentals of Soil Science Examination.

Preparation

In high school take courses in biology, chemistry, mathematics, and earth sciences.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Core units: 74
Concentration units: 16-22
Total units in the major: 90-96
Total units required for the degree: 120

Special Grade Requirement
Complete all courses in the major with a C- or better.

Core Courses (74 units)

Lower Division

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BOT 105</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 107</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ESM 105</td>
<td>Natural Resource Conservation</td>
<td>3</td>
</tr>
<tr>
<td>GSP 101/GSP 101L (2/1)</td>
<td>Geospatial Concepts and Lab</td>
<td>3</td>
</tr>
<tr>
<td>GSP 216</td>
<td>Introduction to Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GSP 270</td>
<td>Geographic Information Science [GIS]</td>
<td>3</td>
</tr>
<tr>
<td>PHYX 106</td>
<td>College Physics: Mechanics &amp; Heat</td>
<td>4</td>
</tr>
<tr>
<td>SCI 100</td>
<td>Becoming a STEM Professional in the 21st Century</td>
<td>3</td>
</tr>
<tr>
<td>SOIL 260</td>
<td>Intro to Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>STAT 109</td>
<td>Introductory Biostatistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Upper Division

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 310</td>
<td>General Plant Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BOT 350</td>
<td>Plant Taxonomy</td>
<td>4</td>
</tr>
<tr>
<td>ESM 305</td>
<td>Environmental Conflict Resolution</td>
<td>3</td>
</tr>
<tr>
<td>FOR 315</td>
<td>Forest Management</td>
<td>3</td>
</tr>
<tr>
<td>FOR 359</td>
<td>CA &amp; US Forest &amp; Wildland Policy</td>
<td>3</td>
</tr>
<tr>
<td>RRS 306</td>
<td>Wildland Resource Principles</td>
<td>3</td>
</tr>
<tr>
<td>RRS 360</td>
<td>Wildland Plant Communities</td>
<td>3</td>
</tr>
<tr>
<td>RRS 370</td>
<td>Wildland Ecology Principles</td>
<td>3</td>
</tr>
<tr>
<td>RRS 375</td>
<td>Vegetation Analysis &amp; Health</td>
<td>3</td>
</tr>
<tr>
<td>SOIL 360</td>
<td>Origin &amp; Classification of Soils</td>
<td>3</td>
</tr>
<tr>
<td>SOIL 460</td>
<td>Wildland Soil Management &amp; Erosion Control</td>
<td>3</td>
</tr>
<tr>
<td>WSHD 310</td>
<td>Hydrology &amp; Watershed Management</td>
<td>4</td>
</tr>
</tbody>
</table>
### Rangeland Resource Science (20-22 units)

See core course requirements.

#### Approved Electives / Emphases

Complete one of the following emphases for the Rangeland Resource Science concentration (5-7 units), or any combination of courses below or advisor-approved electives totaling a minimum of 6 units.

### Botany Emphasis (6 units)

Complete a minimum of 6 units selected from:

- BOT 355 [4] Lichens & Bryophytes
- BOT 360 [2] Biology of the Fleshy Fungi

### Ecological Restoration Emphasis (7 units)


### Geospatial Technology Emphasis (6 units)

Complete 6 units of advisor-approved GSP courses (not already taken in core requirements).

### Fire Emphasis (5 units)

- FOR 223 [2] Introduction to Wildland Fire
  and one of the following:

### Natural Resource Policy Emphasis (6 units)

- ESM 325 [3] Environmental Law & Regulation

### Soil Emphasis (6 units)

Complete two of the following courses.

- SOIL 462 [3] Soil Fertility

### Wildland Soil Science Concentration

See core course requirements.

Soil courses are embedded in this concentration to meet federal “Soil Scientist” requirements.

In addition to core courses, complete one of the following emphases for the Wildland Soil Science Concentration or any combination of the courses below or advisor-approved electives totaling a minimum of 18 additional units.

#### Botany Emphasis (18 units)

Complete a minimum of 6 units from the following:

- BOT 355 [4] Lichens & Bryophytes
- BOT 360 [2] Biology of the Fleshy Fungi

Complete 12 units from the following:

- FOR 130 [3] Dendrology
- SOIL 462 [3] Soil Fertility
- SOIL 468 [3] Intro to Agroforestry

### Earth Sciences Emphasis (19-20 units)

Complete one additional GSP course not taken in the core (3-4 units)

Complete 6 units from the following:

- SOIL 462 [3] Soil Fertility

### Ecological Restoration Emphasis (19 units)

Complete two of the following courses.

- SOIL 462 [3] Soil Fertility

### Sustainable Agriculture Emphasis (16 units)

Complete three of the following courses.

- SOIL 462 [3] Soil Fertility
- SOIL 468 [3] Intro to Agroforestry

### REQUIREMENTS FOR THE MINORS

#### Rangeland Resource Science Minor

Total units required for the minor: **18**

- SOIL 260 [3] Intro to Soil Science
- RRS 375 [3] Vegetation Analysis & Health

#### Wildland Soil Science Minor

Total units required for the minor: **18**

- SOIL 260 [3] Intro to Soil Science

At least three courses (including one or more with plus signs *) from the following:

- SOIL 462 [3] Soil Fertility*
- SOIL 465 [3] Soil Microbiology*
- SOIL 467 [3] Soil Physics*
- SOIL 468 [3] Intro to Agroforestry


† Course requires a prerequisite that is not required elsewhere in the major.
Recreation Administration

Bachelor of Arts degree
with a major in Recreation Administration

Minor in Recreation Administration

Department Chair
Chris Hopper

Department of Kinesiology & Recreation Administration
Kinesiology & Athletics 305
707-826-4538
humboldt.edu/kra

The Program
Students completing this program will be able to:

- develop, implement and evaluate traditional leisure services and programs within their specified professional pathway area;
- identify and create leisure opportunities that maximize participation for diverse populations;
- apply effective professional communication, leadership, and management to the leisure industry;
- select, implement, and evaluate appropriate technologies as related to the leisure industry; and
- apply professional knowledge, skills, and abilities to field-based work experiences within the general area of recreation administration and within their professional pathway.

Recreation majors have many fieldwork choices through the abundance of nearby parks, wilderness areas, lakes, beaches, rivers, and leisure-oriented organizations. Students round out their education by completing a minor (or minor field of study) in business administration and an internship. The internship may be taken any semester, with the summer option offered through the College of Extended Education & Global Engagement.

Organizations employing recreation administration graduates include: community parks, volunteer agencies, corporate wellness programs, college recreation programs, commercial recreation centers, therapeutic recreation programs, tourism organizations and outdoor education and recreation programs.

Requirements for the Major
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Core units: 28  
Emphasis units: 15-16  
Business requirement units: 12-18  
Total units in the major: 55-62  
Total units required for the degree: 120

Special Grade Requirement
Students must earn a C- or better in all required courses for the major (or their equivalent, in the case of courses transferred from another institution).

Core Courses (28 units)

Lower Division
- REC 100 (3) Leisure in Society  
- REC 210 (3) Recreation Leadership  
- REC 220 (3) Leisure Programming  
- Plus one physical education course (1)

Upper Division
- REC 302 (3) Inclusive Recreation  
- REC 320 (3) Organization, Admin. & Facility Planning  
- REC 420 (3) Legal & Financial Aspects of Recreation  
- REC 455 (1) Internship & Career Preparation Workshop  
- REC 482 (6) Internship in Recreation  
- REC 485 (2) Senior Seminar

Emphases (15-16 units)
Complete one of the following emphases to fulfill the requirements of the major.

Diving Leadership Emphasis (16 units)
- REC 252 (1) Diving First Aid, Introduction to HSU Diving  
- REC 262 (4) Beginning SCUBA  
- REC 362 (4) Master Diver  
- REC 383 (3) Rescue Diver  
- REC 472 (4) Leadership Diving: Assistant Instructor

Inclusive Communities Emphasis (15 units)
- REC 410 (3) Healthy Communities Through Recreation  
- REC 415 (3) Leisure and Aging

Complete three of the following courses.
- HED 392 (3) Community & Population Health  
- PSYC 306 (3) Health Psychology  
- REC 330 (3) Adventure Theory & Practice  
- REC 345 (3) Environmental Education  
- REC 481 (3) Recreation Practicum  
- (3) Child Development course (advisor-approved)

Outdoor Leadership Emphasis (15 units)
- REC 330 (3) Adventure Theory & Practice  
- REC 370 (3) Outdoor Leadership Foundations  
- REC 375 (2) Winter Wilderness Living  
- REC 430 (4) Outdoor Leadership Expedition

Complete one of the following courses.
- REC 345 (3) Environmental Education  
- REC 435 (3) Sustainable Tourism  
- REC 481 (3) Recreation Practicum

Tourism Management Emphasis (15 units)
- REC 335 (3) Tourism Planning & Development  
- REC 365 (3) Travel Industry Mgmt.  
- REC 435 (3) Sustainable Tourism

Complete two of the following courses.
- REC 330 (3) Adventure Theory & Practice  
- REC 345 (3) Environmental Education  
- REC 370 (3) Outdoor Leadership Foundations  
- REC 415 (3) Leisure and Aging  
- REC 481 (3) Recreation Practicum

Self-Designed Emphasis (15 units)
Students may design their own emphasis with a minimum of 15 units of thematic upper-division coursework; at least 6 units must be in recreation administration (REC) courses. The self-designed emphasis must be approved by two members of the Recreation Administration faculty.

Business Requirement (12-18 units)
Complete a minor in business (18 units) — obtain requirements from the School of Business OR Complete a minimum of 12 units of business and/or economics advisor-approved coursework. 8 units must be upper division.

Requirements for the Minor
Total units required for the minor: 18

Required Courses
- REC 100 (3) Leisure in Society  
- REC 210 (3) Recreation Leadership  
- REC 220 (3) Leisure Programming  
- REC 302 (3) Inclusive Recreation  
- REC 420 (3) Legal & Financial Aspects of Recreation
Bachelor of Arts degree with a major in Religious Studies

Minor in Religious Studies

Department Chair
Vincent Biondo, Ph.D.

Religious Studies Department
Founders Hall 201
707-826-4126, fax 826-3205
religiousstudies.humboldt.edu

The Program

Students will demonstrate religious literacy, recognizing and understanding diverse cultural expressions as they appear in contexts of religious traditions, sacred texts, international and domestic politics, the arts, and their own interpersonal relationships.

Students will practice authentic self-reflection and decision-making as they determine for themselves matters concerning belief, practice, values, meaning, and purpose in their lives.

Students will master phenomenological approaches to the understanding of religious and cultural variation, enabling them to engage diversity directly, with both generosity and justice.

Through their work in classes, but also in extra-curricular activities, students will manifest sound professionalism in such matters as time management, attendance, fulfillment of responsibilities, the ability to follow directions, comportment, and courtesy.

The objectives of the religious studies major are best attained in the context of a liberal arts education. The curriculum lets students develop an awareness of the capacity for scholarship, and disciplined and objective thought on the subject of religion.

The program avoids dogmatism as well as unquestioning faith or belief, approaching this area of human inquiry with the same objectivity achieved elsewhere in the humanities: requiring fairness with regard to the evidence, respect for reasonable differences in points of view and the avoidance of any attempts to proselytize.

With differing world cultures coming into contact ever more frequently in every field of endeavor, a religious studies undergraduate degree proves highly relevant. It allows students to discover, examine and gain insight into and sensitivity toward the socio-politico-religious similarities and differences in world cultures.

The religious studies major at Humboldt State University is unique in its exploratory nature. Courses cover a variety of subjects, offering the opportunity to understand the meaning of religion as it has been developed both culturally and personally.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Total units in the major: 33-35
Total units required for the degree: 120

Introduction
RS 105 (3) World Religions
RS 120 (3) Exploring Religion

Religion In Tradition
Complete five courses from the following:
RS 301 (3) Religion in America
RS 320 (3) Sacred Texts: Hebrew Bible
RS 321 (3) Sacred Texts: New Testament
RS 322 (4) Sacred Texts: Buddhist Texts
RS 323 (4) Sacred Texts: Hindu Texts
RS 330 (3) Introduction to Judaism
RS 331 (3) Introduction to Christianity
RS 332 (3) Introduction to Islam
RS 340 (3) Zen, Dharma & Tao
RS 341 (3) Spiritual Traditions of India
RS 342 (3) Buddhism in India & Tibet
RS 345 (3) Tai Chi Ch’uan [Taijiquan]
RS 351 (3) Shamanism & Prophecy
RS 391 (3) Religion in Tradition: Special Topics
RS 392 (3) Sacred Literature: Special Topics

Religion In Myth, Culture & Experience
Complete 9 units from the courses listed below, including at least one experiential workshop. No more than 3 units from experiential workshops.
RS 300 (3) Living Myths
RS 361 (3) Environment & Religion
RS 362 (3) Wisdom & Craft
RS 364 (3) Cinema & the Sacred
RS 393 (3) Religion in Myth, Culture & Experience: Special Topics
RS 394 (1-3) Religious Studies Workshop [*Topics: Sufi Mysticism Weekends, Eastern Orthodox Christianity Weekend, City of 10,000 Buddhas Weekend, Evangelical Christianity Experiential Weekend, Tibetan Buddhism Weekend, Finding Meaning on an Endangered Planet, Zen Experiential Weekend, Wiyot NAS 302 (3) Oral Literature & Oral Tradition

Senior Seminar
RS 395 (3) Senior Seminar

Prerequisite: Complete 27 units of major coursework prior to enrollment in Senior Seminar.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 18

Introduction
RS 105 (3) World Religions
RS 120 (3) Exploring Religion

Religion In Tradition
Complete three courses from Religion in Tradition courses, listed under the major requirements.

Religion In Myth, Culture & Experience
Complete 3 units from Religion in Myth, Culture & Experience courses, listed under the major requirements.
Scientific Diving Minor

Minor in Scientific Diving
Advisor
Richard Alvarez

Department of Kinesiology & Recreation Administration
Kinesiology & Athletics 310
707-826-4539
humboldt.edu/kra

The Program
This minor within the university’s diving program provides broad-based support of subaquatic research, education, and recreational activities.

The courses and certifications within the minor meet diving and training standards of Humboldt State University, the National Association of Underwater Instructors (NAUI), and the American Academy of Underwater Sciences (AAUS).

As a research, educational, and vocational asset, the diving program is highly interdisciplinary. Diving has been used by students, faculty, and staff in the fields of marine biology, oceanography, fisheries, wildlife, geology, engineering, industrial technology, art, business administration, physical education, recreation administration, archeology, and natural resources. The minor facilitates undergraduate studies, advanced degrees, and careers in government or private sectors.

Preparation
All courses require completed HSU diver certification documentation prior to any diving, including a university-approved medical exam (Medical Evaluation of Fitness for SCUBA, Surface-Supplied, or Free Diving).

Anyone diving under the auspices of the university also needs current CPR and oxygen provider certification or to be enrolled in HED 120 (Responding to Emergencies—CPRFPR) and REC 252 (Diving First Aid, Introduction to HSU Diving).

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 13

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 252</td>
<td>1</td>
<td>Diving First Aid, Introduction to HSU Diving</td>
</tr>
<tr>
<td>REC 262</td>
<td>4</td>
<td>Beginning SCUBA</td>
</tr>
<tr>
<td>REC 362</td>
<td>4</td>
<td>Master Diver</td>
</tr>
<tr>
<td>REC 471</td>
<td>3</td>
<td>Scientific Diving</td>
</tr>
<tr>
<td>HED 120</td>
<td>1</td>
<td>Responding to Emergencies—CPRFPR (required every two years)</td>
</tr>
</tbody>
</table>

[required every two years]
Minors in Social Advocacy

Advisor
Laura Hahn, Ph.D.
Telonicher House, Room 102
707-826-3948
communication.humboldt.edu

The Program
This interdisciplinary program helps students who wish to act as advocates for issues they care about. These concerns might include the rights of ethnic minorities or women, protection of the environment, educational reform, consumer education, or antiwar movements, among others.

The program provides opportunities to learn how various disciplines view advocacy and the ethics of advocating (COMM 480), how to disseminate information about an issue effectively (JMC 323), and how social change is effected by means of communication (COMM 315).

Students are encouraged to choose electives that complement their major or that extend their understanding of the chosen issue. The culminating experience challenges them to apply what they have learned to real work on that issue in the community beyond campus.

Students develop both verbal and written skills in order to influence individuals and audiences, to become more aware of their own ethic of advocacy, and to develop an understanding of how policymaking institutions work.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMC 323</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 315</td>
<td>Communication &amp; Social Advocacy</td>
<td>4</td>
</tr>
<tr>
<td>COMM 416</td>
<td>Social Advocacy Theory &amp; Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Culminating Experience
Complete 2 or more units by advisement. For example:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 495</td>
<td>Field Experiences in Speech</td>
</tr>
<tr>
<td>JMC 482</td>
<td>Mass Media Internship</td>
</tr>
<tr>
<td>Suggested courses:</td>
<td></td>
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</tbody>
</table>

Electives
Complete 6 units by advisement. Suggested:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMC 429</td>
<td>Advanced Public Relations</td>
</tr>
<tr>
<td>PHIL 302</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>PSCI 358</td>
<td>Political Advocacy</td>
</tr>
<tr>
<td>COMM 214</td>
<td>Persuasive Speaking</td>
</tr>
<tr>
<td>COMM 309B/WS 309B</td>
<td>Gender &amp; Communication</td>
</tr>
<tr>
<td>COMM 404</td>
<td>Theories of Communication Influence</td>
</tr>
<tr>
<td>SDC 475</td>
<td>Community Organizing</td>
</tr>
<tr>
<td>TA 307</td>
<td>Theatre of the Oppressed</td>
</tr>
<tr>
<td>WS 480</td>
<td>Selected Topics in Women’s Studies (Topic: Lobbying Women’s Issues)</td>
</tr>
</tbody>
</table>

DRAFT
The program is committed to conceptually rigorous, applied research on sustainability and equity in a manner that transcends a nature-society dichotomy. Students explore these topics through graduate seminars in three curriculum areas: economic and political dimensions; socio-cultural dimensions; race, class, gender and place; and environmental dimensions. Capstone topics for graduate students in this program include the following general themes: sustainable food systems, community-natural resource management interactions, environmental and social justice, environmental education, Native American/indigenous natural resource management, and sustainable urban communities. The program culminates in a master's thesis or project, or a comprehensive exam. Our graduates pursue successful careers in the nonprofit sector, education, private sector, and public sector.

Program Admission Requirements

**Postbaccalaureate Candidate Pathway**

- Completed BA or BS degree
- GPA not less than 3.00 in the last 60 units of college coursework
- Three letters of recommendation
- Candidate statement of purpose (prompts are available on the E&C website)
- Ten-page writing sample
- Graduate coordinator approval after faculty committee review of application file

**Dual Degree Pathway (3+2 BA and MA Degree)**

The E&C program has developed, in conjunction with select undergraduate majors, dual degree (3+2) pathways that enable exceptional students to simultaneously earn a bachelor’s and a master’s degree in five years. Although the pathway does not change undergraduate major nor graduate degree requirements, students in the program seamlessly progress from undergraduate to graduate status. Students are eligible to apply for the pathway upon completion of 60 units. A faculty committee evaluates student applications. Participation is based on prior academic performance and other measures of academic excellence. Contact the E&C coordinator for majors that participate.

**Requirements for the Degree**

For a description of degree requirements to be fulfilled in addition to those listed below, see “The Master’s Degree” section of the catalog, pp. 83-84.

**Total units required for the degree:** 36

**Required Courses (15 units)**

- **Complete during first semester:**
  - EC 610 (3) Environment & Community Research
  - EC 615 (1) Graduate Colloquium

- **Complete 3 units of field research or independent study:**
  - EC 695 (1-3) Field Research

- **Complete one 3-unit research methods elective, chosen from an approved list, to be completed no later than the third semester:**
  - EC 690 (1-6) Master’s Thesis or Project (9 units)

- **Complete at least one seminar from each of the following three curriculum areas. Seminars are developed by the advisory committee comprised of program faculty.**

  **Economic & Political Dimensions**
  - EC 620 (3) Economic & Political Dimensions, or
  - ENGR 532 (4) Energy, Environment, & Society

  - Course topics including: Politics of Sustainability, Globalism, Capitalism, and Environment, Political Ecology

  **Socio-Cultural Dimensions**
  - EC 630 (3) Socio-Cultural Dimensions

  - Course topics including: Community and Place, Decolonizing Methodologies, Klamath River Issues.

  **Ecological Dimensions**
  - EC 640 (3) Ecological Dimensions

  - Course topics including: Ecosystems and Biodiversity, Conservation Biology.
Social Work

Bachelor of Arts degree with a major in Social Work
On campus and online options

Master of Social Work (MSW)
Full-time on campus and part-time online options; advanced standing options

Stipend Programs
- California Social Work Education Center Title IV-E Child Welfare Training Program - MSW
- California Social Work Education Center Title IV-E Child Welfare Training Program - BASW

Department Chair
Marissa O’Neill, M.S.W., Ph.D.

Bachelor of Arts in Social Work Office
Behavioral & Social Sciences 514
707-826-4448
humboldt.edu/socialwork

Master of Social Work /Field Education Office
Behavioral & Social Sciences 510
707-826-4443

THE PROGRAM
Humboldt’s BA program recognizes specific social work competencies and behaviors as the framework for social work education. These are noted on the department website at humboldt.edu/socialwork.

Students completing this program will have demonstrated the ability to:
- demonstrate ethical and professional behavior, particularly with respect to work with indigenous and rural communities
- engage diversity and difference in practice, particularly with respect to work with indigenous and rural communities
- advance human rights and social, economic, and environmental justice, particularly with respect to work with indigenous and rural communities
- engage in practice-informed research and research-informed practice, particularly with respect to work with indigenous and rural communities
- engage in policy practice, particularly with respect to work with indigenous and rural communities.
- engage with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities

- assess individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities
- intervene with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities
- evaluate practice with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities

The BA program is a professional preparation program rooted in the liberal arts. Students develop knowledge, values, and skills to work with people from diverse cultural, ethnic, and personal backgrounds. The program is fully accredited with the Council on Social Work Education.

Social work students have opportunities to work with local agencies through a highly individualized field experience program.

Students find this helpful in building skills and obtaining jobs following graduation.

The program emphasis is work with rural and indigenous communities.

Potential careers: services to children, families, and the elderly; rehabilitation; health care; community practice; youth work; corrections; employment services; substance abuse, mental health, and residential treatment.

Generalist Social Work Practice
Generalist social work practitioners work with individuals, families, groups, organizations, social policies, and communities in a variety of settings in pursuit of social and economic justice.

Generalist practitioners view people and systems from a strengths perspective in order to recognize, support, and build upon the innate capabilities of all human beings. They engage, assess, broker services, advocate, counsel, educate, and organize with and on behalf of individuals, families, and collections of people.

Generalist practitioners engage in community development, organizational development, and evaluation in order to ensure that services are useful, effective, and ethical.

Program Admission Requirements
Lower division GE courses required for the major can be taken at a community college and can be taken CR/NC. Program faculty can advise students on courses preparing them for their transfer to Humboldt’s Social Work program. For information and/or appointments, call 707-826-4448.

To be eligible to register for junior-level courses in the social work major, students must have completed, or be in the process of completing, all prerequisites. A cumulative 2.00 GPA and a 2.00 in all social work courses is necessary to be fully accepted to the program.

Students who meet the prerequisites need to submit a “Social Work Major Application Form” with a personal statement to the department. Applications to begin the fall sequence of courses are due no later than the last Friday in January for continuing students. Transfer applicants should follow the Office of Admissions schedule due to program impaction for transfers only.

Applications received after this date may not be reviewed in time for placement in the appropriate major courses. Notification of acceptance will be made prior to the registration period for fall classes.

Please note that all accepted students will be required to attend a two-day on campus orientation the first week of fall semester.

Full acceptance into junior year coursework requires students to meet all of the admission standards and to submit the formal application. Provisional status may be granted to any student who does not meet requirements. Students who are given a provisional status must work out a plan with their faculty advisor that identifies those areas requiring improvement and how each area will be addressed in order to be accepted as a social work major.

REQUIREMENTS FOR THE MAJOR

SOCIAL WORK (BA)
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82. “The Master’s Degree” section of the catalog, pp. 83-84.

Modifications to General Education Requirements
The upper division general education area D requirement is met by the coursework within the Bachelor of Arts degree with a major in Social Work.

Unit Requirements
Total units in the major: 60
Total units required for the degree: 120
Courses prepare students for professional generalist social work and are sequenced to best facilitate learning and acquisition of skills. Major coursework (300-level) always begins in fall.

Prerequisite courses for acceptance to the Social Work BA Major:

- NAS 104 (3) Introduction to Native American Studies, or
- ES 105 (3) Introduction to Ethnic Studies, or
- CRGS 108 (3) Power/Privilege: Gender & Race, Sex, Class, or a course that is centrally organized around a theme related to the experiences of marginalized groups.

- STAT 108 (3) Elementary Statistics, or
- STAT 108i (3) Elementary Statistics with Integrated Support [Coreq: STAT 8], or
- PSYC 241 (4) Psychological Statistics

Institutions

- SW 101 (3) Introduction to Social Work & Social Work
- SW 255 (2) Beginning Social Work Experience

Upper Division Courses

Juniors — Fall

- SW 340 (3) Social Work Methods I
- SW 340L (1) Social Work Methods I Lab
- SW 350 (4) Human Behavior & the Social Environment I
- SW 355 (2) Social Agency Experience [may be taken in spring or fall]
- SW 382 (4) Social Work Research

Juniors — Spring

- SW 330 (4) Social Work Policy
- SW 341 (3) Social Work Methods II
- SW 341M (1) Social Work Methods II Lab
- SW 351 (4) Human Behavior & the Social Environment II
- SW 355 (2) Social Agency Experience [may be taken in fall or spring]
- SW 356 (1) Social Work Field Preparation

Seniors — Fall

- SW 455 (5) Field Experience
- SW 456 (2) Field Experience Seminar plus 3 units of advanced social work methods courses [see below].

Seniors — Spring

- SW 455 (5) Field Experience
- SW 456 (2) Field Experience Seminar plus 3 units of advanced social work methods courses [see below].

Advanced Social Work Methods Courses

Complete 6 units of advanced social work methods courses to be taken in the senior year:

- SW 411 [1.5] Distributed Learning Community
- SW 480 [5-4] Special Topics
- SW 499 [1-3] Directed Study

Field Experience

Field experience courses are restricted to social work majors. Academic credit for life experience or previous work experience shall not be given, in whole or in part, in lieu of any required social work courses.

MSW PROGRAM

Humboldt’s MSW program recognizes specific social work competencies and behaviors as the framework for social work education. These are noted on the department website at humboldt.edu/socialwork.

Students completing this program will have demonstrated the ability to:

- demonstrate ethical and professional behavior, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- engage diversity and difference in practice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- advance human rights and social, economic, and environmental justice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- evaluate practice with individuals, families, groups, organizations, and communities, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- intervene with individuals, families, groups, organizations, and communities, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.

Program Admission Requirements

You must complete the following requirements before being considered for admission:

- Baccalaureate degree from an accredited four-year liberal arts institution.
- GPA of 3.00 or better on a 4.00 scale for the last 60 hours of academic coursework [recommended].
- Completion of the following courses [with a grade of “C” or better]: elementary statistics [math, psychology, or sociology; MATH 103 does not count]; a course related to Native American studies. The course must include a general introduction to the history of Native peoples of America and the unique and sovereign relationship between tribal nations and local, state, and federal governments.
- Complete the California State University graduate application via calstate.edu/apply.

Consult the department website for additional information: humboldt.edu/socialwork.

Conditional Program Admission

Students who lack adequate undergraduate preparation may receive conditional program admission. Conditionally admitted students must complete all undergraduate coursework prior to beginning the master’s program, including the elementary statistics and Native American studies prerequisites with a “C” or better.

Program Schedule Options

The full-time master’s program schedule consists of 60 units over two years of study. Students who have a bachelor’s degree in social work from a CSWE accredited program can apply for the Advanced Standing Program which consists of 36 units taken over 3 semesters of study, beginning with 6 units offered through the College of Extended Education & Global Engagement in the summer.
Part-Time Distributed Learning MSW Program

The department offers a part-time (3.5 year) Distributed Learning MSW Program through the College of Extended Education & Global Engagement. The program is delivered through online coursework, an annual on-campus intensive, and other learning methodologies. Foundation coursework is completed over the first 5 semesters, while advanced coursework is completed over the final 5 semesters. A Part-Time Advanced Standing Distributed Learning MSW program (2 years) is also offered, which adds 6 units of summer bridge courses before advanced coursework. Distributed Learning MSW students enroll in an additional 1.5 unit “Distributed Learning Community Seminar” each semester they are in the program. For more information, contact the MSW Programs Office at 707-826-4443.

REQUIREMENTS FOR THE DEGREE

MASTER OF SOCIAL WORK

For a description of degree requirements to be fulfilled in addition to those listed below see, “The Master’s Degree” section of the catalog, pp. 83-84.

Unit Requirement

Total units required for the degree: 60

Foundation Coursework (30 units)

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>SW 530</td>
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<td>SW 540</td>
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<tr>
<td>SW 541</td>
<td>3</td>
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<td>SW 543</td>
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<tr>
<td>SW 570</td>
<td>3</td>
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<tr>
<td>SW 582</td>
<td>3</td>
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<td>SW 583</td>
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Advanced Coursework (30 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>SW 640</td>
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<td>SW 641</td>
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<tr>
<td>SW 649</td>
<td>3</td>
</tr>
<tr>
<td>SW 651</td>
<td>3</td>
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</tbody>
</table>

SW 655 (6) Advanced Internship
SW 682 (3) Masters Project Development
SW 683 (3) Masters Project Implementation

Culminating Experience

Prior to graduation students must successfully complete a comprehensive exam.

Pupil Personnel Services Credential – Social Work (PPSC-SW)

Two social work courses are required in the summer after completion of the MSW program requirements. These courses are offered online through the College of Extended Education & Global Engagement. Contact the PPSC Coordinator for more information.
Bachelor of Arts degree with a major in Sociology

Minor in Sociology

Master of Arts degree in Public Sociology

Department Chair
Renée Byrd, Ph.D.

Graduate Coordinator
Jennifer Eichstedt, Ph.D.

Department of Sociology
Behavioral & Social Sciences 518
707-826-3139
sociology.humboldt.edu

Affiliated Research Institutes
Altruistic Personality and Prosocial Behavior Institute
California Center for Rural Policy (CCRP)
Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR)
Humboldt Journal of Social Relations (HJSR)

THE B.A. PROGRAM

Sociology students find an active and supportive departmental culture that surrounds coursework in sociological theory, methods, and current social issues. The program provides students with the necessary tools to analyze social interactions, systems, and structures. Department faculty members have a strong commitment to social justice that shapes course offerings and content. The program examines historical and contemporary understandings of race, class, gender, disability, and sexuality with the stated intent of pushing students to reimagine what they thought they already knew.

Sociology does not seek to produce one form of knowledge; rather, it seeks to understand the social processes through which knowledge is produced. Thus, emphasis is placed on developing critical thinking, problem solving, and analytical skills.

Due to the breadth, adaptability, and practical applications of sociology, students with a B.A. in Sociology choose to work in many different sectors: non-profit, private business, social services, education, health services, public relations, criminal justice, and government. Service learning, capstone internships, and faculty-supervised research are integrated into the curriculum. The Sociology Student Association, and outreach organizations on campus such as YES House, creates additional opportunities for students to connect with each other, faculty, and local community organizations.

Program Learning Outcomes

Students completing a B.A. in Sociology will have demonstrated:
- Effectively communicate orally about social science theory and methods [oral communication]
- Effectively communicate in writing about social science theory and methods [information literacy]
- Identify systems of power and privilege and methods for creating diverse, inclusive, and just communities [social justice]
- Explain the relationships between communities, social systems, institutions, and the natural world [sustainability]
- Evaluate research designs and analytic techniques [critical thinking – methods]

Preparation

In high school take math, writing and social science courses (history, psychology, sociology).

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below, please see “The Bachelor’s Degree” section of the catalog, pp. B7-B2.

Unit Requirements

Total units in the major: 47
Total units required for the degree: 120

Special Grade Requirement

A minimum grade of "C" is required for all courses in the major.

Lower Division (11 units)

SOC 104  (3) Introduction to Sociology
STAT 108  (3) Elementary Statistics, or
STAT 108i  (3) Elementary Statistics with Integrated Support
[Coreq: STAT 8]
SOC 225S  (4) Social Issues & Action**
SOC 282L  (1) Sociological Statistics Lab

Upper Division (17 units)

SOC 303*  (3) Race & Inequality [DCG-d]
SOC 303M  (1) Race & Inequality for Majors
SOC 310  (4) Sociological Theory
SOC 372  (1) Proseminar or
SOC 472  (1) Graduate School Planning
SOC 382  (4) Intro to Social Research
SOC 410  (4) Contemporary Theory

Knowledge Based Requirements (16 units)

Complete four courses with at least one from chosen from each category. Students may request that a sociology course not listed be approved to count in one of the knowledge areas below.

Inequalities and Change

SOC 305*  (3) Global Transformations, and
SOC 305M  (1) Global Transformations for Majors
SOC 316  (4) Gender & Society
SOC 321  (4) Sociology of Sport
SOC 350  (4) Social Movements
SOC 466  (4) Migration and the Global Economy

SOC 480  (1-4) Special Topics

Environment

SOC 302*  (3) Forests & Culture, and
SOC 302M  (1) Forests & Culture for Majors
SOC 320  (4) Environmental Sociology
SOC 363  (4) Environmental Crime
SOC 370  (4) Environmental Inequality & Globalization

SOC 480  (1-4) Special Topics

Communities and Identity

CRIM 420  (4) Drugs and Society
SOC 306*  (3) The Changing Family and
SOC 306M  (1) The Changing Family for Majors
SOC 308*  (3) Sociology of Altruism & Compassion, and
SOC 308M  (1) Sociology of Altruism & Compassion for Majors
SOC 330  (4) Social Deviance
SOC 411  (4) Popular Culture
SOC 475  (4) Community Organizing
SOC 480  (1-4) Special Topics

Capstone (3 units)

Complete one course from the following:
SOC 482  (3) Internship
SOC 482  (3) Senior Thesis

The Department of Sociology offers 1-2 unit weekend workshops around pressing social issues and popular topics. We encourage our students to enroll in these workshops.

* No more than 8 units of upper division SOC courses that have GE designations can be counted toward your major.

** Service Learning Component
but the units may not be counted as part of the required 47-48 unit major requirement with the following exception: Workshop units may be used to “make up” 1-2 units that a student may be short after transferring 3-unit courses from another college or university.

**REQUIREMENTS FOR THE MINOR**

**Total units required for the minor:** 20

**Special Grade Requirement**

A minimum grade of “C” is required for all courses in the minor. Total minor units: 20.

**SOC 225S (4)** Social Issues & Action

**SOC 382 (4)** Intro to Social Research

Plus 12 units of upper division sociology coursework. No more than one elective for your minor may be a sociology course with general education designation, and must be taken for 4 units.

To best meet student interests, minor electives should be selected in consultation with a sociology faculty advisor.

**THE PUBLIC SOCIOLOGY MA PROGRAM**

Students completing an MA in Public Sociology will have demonstrated the following program learning outcomes:

- Communicate orally at a level appropriate for an advanced professional about social science theory, methods, and/or applied field experience (oral communication)
- Effectively identify and communicate in writing about central social science contemporary issues (critical thinking - written communication)
- Identify systems of power and privilege and methods for creating diverse, inclusive, and just communities (critical thinking - social justice)
- Explain the relationships between communities, social systems, institutions, and the natural world (critical thinking - sustainability)
- Evaluate research designs and analytic techniques (critical thinking - methods)

The master’s program in public sociology, focuses on social justice and environmental sustainability, while fostering a network of students, faculty, staff, alumni and community members who are committed to social change. Public sociology translates sociological knowledge and skills for communities where these resources are needed.

The concept of social justice emphasizes a holistic understanding of the relationships between people, built and “natural” systems, and the social implications of particular structures and relationships. Race, class, gender, and the environment are central to analysis, as well as strategies for action.

Our MA students choose an experience emphasis in either Practicing Sociology or Teaching Sociology. Regardless of their emphasis, our alumni graduate with a solid foundation in social theory and social research that is marked by a departmental commitment and curricular integration of public sociology and social justice, as well as knowledge and skills for social action.

Sociology faculty members, along with the Sociology and CJS Community Advisory Board, cultivate a range of field placement opportunities for students emphasizing Practicing Sociology.

Students develop their specialization by drawing on coursework, carefully selecting a field placement and working with faculty mentors.

In the Practicing Sociology emphasis, students learn cutting-edge pedagogical practices, and receive both hands-on experience and close mentorship. This is great preparation for facilitating and leading groups, designing and delivering workshops, teaching at the community college level, and creating educational and training materials.

In the Practicing Sociology emphasis, through classes, a 240-hour placement, paid research opportunities, and their thesis, capstone work, students become well-trained and valuable applied sociologists. They develop skills in qualitative, quantitative, and program evaluation methods; frameworks (theory) needed for complex analytical thinking and problem solving; and advanced professional communication skills: writing, speaking, presentations.

**REQUIREMENTS FOR THE DEGREE**

**MASTER OF ARTS**

**Common coursework units:** 22

**Elective units:** 17

**Total units required for the degree:** 39

**Common Coursework (22 units)**

- **SOC 583** (4) Quantitative Research Methods
- **SOC 584** (4) Qualitative Research Methods
- **SOC 605** (1) Graduate Proseminar in Sociology (complete twice for a total of 2 units)
- **SOC 610** (4) Contemporary Social Theory
- **SOC 650** (4) Race, Ethnicity & Gender
- **SOC 665** (4) Community, Ecology and Social Action

**Social Action Electives (4 units)**

Complete one of the following courses:

- **FILM 455** (4) Grant Writing
- **FILM 455S** (4) Grant Writing
- **SOC 350** (4) Social Movements
- **SOC 475** (4) Community Organizing

Other courses that are social action oriented and experience based may be approved by the graduate coordinator.

**Area Seminar Electives (4 units)**

Complete one course in consultation with the graduate coordinator. At least one of the two program electives (Social Action or Area Seminar) must be at graduate (500-600) level.

**Experience Electives (3 units)**

- **SOC 586** (3) Community Action Research, or
- **SOC 560** (3) Teaching Sociology

**Thesis or Project (6 units)**

- **SOC 690** (1-6) Master’s Degree Thesis, or
- **SOC 692** (1-6) Master’s Degree Project

The decision to enroll in “project” or “thesis” units is based on the orientation and content of the student work itself and is not dictated by the experience emphasis. Students should review the discussion of thesis and project units in the Public Sociology “Graduate Manual” and work with the graduate coordinator and their committee chair in determining the most appropriate course number (SOC 690 or SOC 692) for their work. Students emphasizing Practicing Sociology should enroll in thesis or project units concurrently with their field placements (see below).
Progress Requirements
The department reserves the right to dismiss from the program a student who does not make academically adequate and timely progress in moving through degree requirements. For more information, see the graduate school handbook regarding academic probation and disqualification.

ADDITIONAL MA DEGREE INFORMATION
Field Site Placement Requirements
Students emphasizing Practicing Sociology are required to complete 240 hours of field placement work that may include up to 40 hours of academic administrative work such as scheduling and meeting with faculty advisors, preparing and submitting required reporting and evaluation information, and formatting final products as required by the graduate school. Students should work closely with the graduate coordinator to identify a placement that will best support their interests and long-term goals.

Teaching Associates (Optional)
Students may apply for a teaching associate position, which is a paid union position. Teaching associates will work with a faculty member in one of two large lecture courses: SOC 104 (Intro to Sociology) or SOC 303 (Race and Inequality). Teaching associates will run up to three recitation (discussion) sections with 25-33 students per section. Teaching associates also grade student work. This model provides teaching associates a hands-on experience in the classroom.

Teaching Internship (Optional)
In addition, there are occasionally opportunities for students to petition the department to be allowed to engage in a higher level internship with a faculty member. This allows advanced students to co-teach a course with a faculty member. The positions are reserved for only the very strongest of new teachers with evidence for readiness to teach their own class. If selected, one to two students will work with a faculty mentor to teach a section of an appropriate course. The student should enroll in SOC 682 Teaching Internship; the course is not required for the MA. Prerequisites for participating in the Teaching Internship include SOC 550 Teaching Sociology and having served as a teaching associate as described in the above paragraph.

Plans of Study Submission Including Committee Identification (Semester One)
Near the end of the first semester in the program, a student should consult with the graduate coordinator to develop and submit a “Plan of Study” (see website for sample). The plan sets student goals and strategies for accomplishment including not only coursework, but also additional professional development plans such as professional meeting attendance and networking strategies. The plan also requires that the student, with the help of the graduate coordinator; secure the commitment of two sociology graduate faculty members to serve on the thesis or project committee. This plan must be submitted to the graduate coordinator and will be placed in the student’s permanent file.

Thesis/Project Proposal (Semester Two)
Working with their committee, the student should propose their plan for completing a thesis or project. This proposal should include a potential theoretical foundation, data to be collected, and overview of literature, as applicable. This proposal must be submitted to and approved by the student’s full committee.

Advancement to Candidacy Application (Semester Three)
In the third semester in the program, students submit their applications for candidacy to Graduate Studies. This application includes a list of approved classes, a title and abstract of the thesis or project, internal review board (IRB) approval documentation and the signatures of the committee members, as well as the signature of the graduate coordinator. The application when approved places the student on the program for graduation.

Project or Thesis Work, Continuous Enrollment Requirements, and Leave of Absences
Once a student is approved for candidacy, they are required to enroll in at least 1 unit of thesis or project work every semester (fall and spring) until work is complete and each committee member has provided formal acceptance of the project or thesis. Students must file a formal “leave of absence” application if they are unable to continue enrollment (see Graduate School Handbook). If thesis/project work is in process after all coursework is complete (except for RP grades for 6 units of SOC 690 or SOC 692), the student may choose to meet the continuous enrollment requirement by taking 1 unit of SOC 693 each term through the College of Extended Education & Global Engagement.

Supplemental Coursework
Students may enroll in additional courses to supplement their coursework and further develop interests and expertise. Students desiring additional preparation for professional positions in program evaluation are encouraged to take advanced statistical analysis courses in other departments to supplement their core of methodology courses.

Conditional Program Admission
Students who lack adequate undergraduate preparation in sociological theory and methods may receive conditional program admission. Conditionally admitted students must complete with an “A-“ or better all or some of the following undergraduate courses:

- SOC 310 (4) Sociological Theory
- SOC 382 (4) Intro to Social Research
- SOC 410 (4) Contemporary Social Theory
- STAT 108 (3) Elementary Statistics
Bachelor of Arts degree with a major in Spanish

Minor in Spanish

Minor in Spanish Media

Program Leader
Matthew Dean, Ph.D.

Department of World Languages & Cultures
Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
wlc.humboldt.edu

The Program

All classes are taught in Spanish, from basic to advanced levels, with all four linguistic skills emphasized: listening, speaking, reading, and writing. Courses in literature and civilization provide the opportunity for critical understanding of the cultural heritage of the Spanish-speaking world, including the US. Social events, weekend retreats, literary workshops, and discussions on social and political contemporary issues provide ample opportunity for faculty and students to interact. Graduates of this program have found careers as: teachers, interpreters, literary or technical translators, international bankers or financiers, travel agents, foreign service officers, foreign correspondents, and airline employees. Many county, state, and federal agencies offer jobs for which knowledge of Spanish is either desirable or required.

Special Scholarship and Awards

The Department of World Languages and Cultures has three permanent scholarships and awards:

- The Benavides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. See the department web page for further information.

Certified Education Program

This program is certified by the California Commission on Teacher Credentialing (CCTC). Students who successfully complete this program will have demonstrated subject matter competency in Spanish and therefore, will not be required to take the California Subject Exam for Teachers (CSET) for Spanish.

SPAN 315S, taken for 3-4 units, satisfies the 45 hours of observation prerequisite by the CCTC for the multiple subject credential program and/or the single subject credential program. Consult with a Spanish program advisor.

Spanish Advanced Placement (AP)

Students with AP credit should consult with a Spanish program advisor about selecting Spanish courses. Also discuss the possibility of counting Spanish AP credit towards the Spanish minor or, under special circumstances, the major:

California Seal of Biliteracy (CSB)

Students who have successfully earned the CSB should enroll in upper division Spanish courses at the 300 level and may be granted credit for the Spanish minor through the HSU “Credit by Examination” policy with appropriate documentation. Under special circumstances, such credit may apply to the Spanish major. Consult with a Spanish program advisor.

Spanish Heritage Speakers

Students who are Heritage Speakers of Spanish should not enroll in Spanish language development courses: SPAN 105, 106, 107, or 207. Instead, they should enroll in Spanish for Heritage Speakers: SPAN 108, 108S, 208, or 208S. Students who have completed a minimum of one year of Spanish for Heritage Speakers at the high school or Community College level should take upper division Spanish courses at the 300 level. Consult with a Spanish program advisor.

Program Learning Outcomes

Students completing this program will have demonstrated:

- analysis, acknowledgement, and respect of cultural expressions and worldviews of others
- the capacity to be responsible, productive and compassionate global citizens in a fragile world
- cultural and linguistic competency
- the ability to collaboratively formulate and solve problems
- independent and critical thinking.

Preparation

A good background in English grammar and syntax is desirable. Previous Spanish study is welcome but not required. Students without previous Spanish language background will have the opportunity to acquire the language from the beginning, following the language and culture course sequence: SPAN 105, SPAN 106, SPAN 107, and SPAN 207. Discuss your particular level with a Spanish program advisor.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 49
Total units required for the degree: 120
Complete 49 units of upper division major specific coursework. At least 12 units must be completed at the Humboldt State campus.

Upper Division Required Courses (48 units)

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<td>SPAN 340</td>
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<td>SPAN 341</td>
<td>[3] Critical Reading in Spanish II</td>
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<tr>
<td>SPAN 401</td>
<td>[4] Hispanic Civilization: Spain</td>
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<td>SPAN 402</td>
<td>[4] Hispanic Civilization: Latin America</td>
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<td>SPAN 492</td>
<td>[3] Senior Project</td>
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<td>SPAN 342</td>
<td>[4] Cervantes</td>
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<td>SPAN 345</td>
<td>[4] Hispanic Cinema</td>
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<td>SPAN 346</td>
<td>[4] Borges and the Contemporary Spanish American Short Story</td>
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<tr>
<td>SPAN 348</td>
<td>[4] Contemporary Hispanic Poetry</td>
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</tbody>
</table>

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.
Complete one of the following courses:
SPAN 347 (4) The “Boom” of the Latin American Novel
SPAN 349 (4) Contemporary Spanish Novel

Upper Division Electives (1 unit)
Complete a minimum of 1 upper division elective unit from the 300/400 series (which may include courses not taken in the pairs above).

Residency Abroad Requirement
Complete an approved academic semester program abroad in a Spanish-speaking region of the Hispanic world, including Spain and/or Latin America, equivalent to at least 12 units and normally lasting at least 10 weeks. Students are encouraged to efficiently plan their academic residency abroad to complete major and general education requirements. Program must be selected in consultation with and approved by the major advisor. Students are expected to complete their final semester in residence at Humboldt State University.

Cost of residency abroad varies according to program and world region. Be sure to understand the costs involved and plan ahead. Consult with the HSU Center for International Programs office.

Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

REQUIREMENTS FOR THE MINOR
Spanish Minor
Total units required for the minor: 28

Required Courses (26 units)
SPAN 106 (4) Spanish Language & Culture II
Complete one of the following courses:
SPAN 107 (4) Spanish Language & Culture III
SPAN 108 (4) Level III Heritage Speakers
SPAN 108S (4) Level III Heritage Speakers (Service Learning)

Complete one of the following courses:
SPAN 207 (4) Spanish Language & Culture IV
SPAN 208 (4) Level IV Heritage Speakers
SPAN 208S (4) Level IV Heritage Speakers (Service Learning)

Complete all of the following courses:
SPAN 310 (3) Spanish Advanced Oral Skills
SPAN 311 (4) Spanish Level V, Advanced Grammar & Composition
SPAN 321 (4) Advanced Writing Skills
SPAN 340 (3) Critical Reading in Spanish I or
SPAN 341 (3) Critical Reading in Spanish II

Upper Division Electives (2 units)
Complete a minimum of 2 upper division elective units from the SPAN 300/400 series.

Students with a Spanish language background who begin above SPAN 106 should take alternative courses, selected in consultation with their minor advisor, in order to meet the minimum 28 units required for the minor:
Spanish Media Minor

Department of Journalism &
Mass Communication
Bret Harte House 52
707-826-4775
journalism.humboldt.edu

Department of World Languages &
Cultures
Behavioral & Social Sciences 206
707-826-3226, fax 707-826-4320
wlc.humboldt.edu

The Program

The Spanish Media minor combines Spanish language study with journalistic writing and media experience. This interdisciplinary minor is an excellent choice for anyone interested in pursuing a degree in business, communication, pre-law, or for professional careers in bilingual news media, advertising, and public relations.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 21

Lower Division (9 units)
JMC 120 (3) Beginning Reporting
JMC 160 (2) El Leñador Newspaper

Complete one of the following courses:
SPAN 207 (4) Spanish Language and Culture IV
SPAN 208 (4) Spanish Level IV for Heritage Speakers

Upper Division (6 units)
JMC 360 (2) Advanced El Leñador Newspaper
SPAN 311 (4) Spanish Language V, Advanced Grammar and Composition

Approved Elective Courses (6 units)

Complete one of the following approved journalism elective courses:
JMC 125 (3) Introduction to Journalism Tools
JMC 134 (3) Photojournalism & Photoshop
JMC 154 (3) Radio Production
JMC 156 (3) Video Production

other journalism courses may be acceptable; consult with journalism advisor.

Complete one of the following approved Spanish elective courses:
SPAN 308S (3) Introduction to Translation & Interpretation
SPAN 310 (3) Spanish Advanced Oral Skills

other upper division Spanish courses may be acceptable; consult with Spanish advisor.
Theatre Arts

Bachelor of Arts degree
with a major in Theatre Arts

Minor in Theatre Arts
See also sections in the catalog on Dance, Dance Studies, and Film.

Department Chair
Ann Alter, MFA
Ann.Alter@humboldt.edu

Program Leader
Troy Lescher, Ph.D.
Troy.Lescher@humboldt.edu

Department of Theatre, Film & Dance
Theatre Arts Building 20
707-826-3566
theatre.humboldt.edu

The Program
Students completing this program will be able to:
 appropriately use vocabulary and historical knowledge from a wide range of theatre sub-disciplines;
 apply concepts of performance, design and technology;
 analyze and evaluate scripts and projects and contribute to department productions;
 create new designs, scripts, interpretations, and solutions;
 apply principles of effective communication and collaboration

The goal of the theatre arts major is to provide a solid and broad foundation of knowledge, skills, and hands-on practice in performance, design, and technology in order to prepare students for jobs in professional and not-for-profit theatre and other careers; work in community and non-professional theatre; and further graduate study.

At every level of their education, students in our program are strongly encouraged to actively participate in departmental and student productions to translate their classroom knowledge into practical learning and experience. In addition, most of our classes incorporate activities and project work. Students will begin their theatre training by approaching foundational knowledge in history, vocabulary, and other skills that will strengthen their experiential learning. They will build on their understanding of principles of performance, design, and technology in class projects and productions. As they progress through the program, students will be able to analyze productions and apply their skills and knowledge in more sophisticated and prominent ways. In their project work, students will step beyond standard solutions to develop their creative thinking and problem solving skills. Throughout their education, they develop strong collaboration skills and experiences that enhance their appreciation for the importance of team work in any endeavor.

The theatre arts major allows students the flexibility to study performance or design/technology or a combination of the two through elective units. The major shares 6 units with the film major to explore commonalities and differences between the two popular arts. The theatre arts major prepares students for careers in theatre and offers skills essential in film, television, radio, and other production oriented fields. In addition, students in theatre develop skills in problem solving, teamwork, creative processing, collaboration, accountability, and communication of ideas: skills and practices demanded in a wide range of careers.

Our annual theatre production season involves students at all levels in a variety of plays by the masters, contemporary playwrights, and students. Musical productions, in collaboration with the Music Department, provide opportunities for students every year.

Humboldt's production facilities include a 750-seat proscenium theatre, two smaller studio theatres, and an intimate thrust theatre. The program participates in the Kennedy Center American College Theatre Festival and the United States Institute for Theatre Technology.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Total units in the major: 48
Total units required for the degree: 120

Special Grade Requirement
A minimum grade of C- is required for all courses in the major.

Required Courses [34 units]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 104</td>
<td>(4) Story Through Word &amp; Image</td>
</tr>
<tr>
<td>TA 105</td>
<td>(3) Acting I: Principles of Performance</td>
</tr>
<tr>
<td>TA 221</td>
<td>(2) Makeup for Stage &amp; Screen</td>
</tr>
<tr>
<td>TA 237</td>
<td>(3) Production Techniques</td>
</tr>
<tr>
<td>TA 328</td>
<td>(4) Production Practicum</td>
</tr>
<tr>
<td>TA 340</td>
<td>(4) Theatre History &amp; Criticism I</td>
</tr>
<tr>
<td>TA 341</td>
<td>(4) Theatre History &amp; Criticism II [DCGn]</td>
</tr>
<tr>
<td>TA 451</td>
<td>(4) Principles of Stage Directing</td>
</tr>
<tr>
<td>TA 494</td>
<td>(2) Senior Seminar</td>
</tr>
</tbody>
</table>

Complete one of the following courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 331</td>
<td>(4) Scenic Design &amp; Art Direction</td>
</tr>
<tr>
<td>TA 333</td>
<td>(4) Lighting Design Stage &amp; Screen</td>
</tr>
<tr>
<td>TA 336</td>
<td>(4) Costume Design Stage &amp; Screen</td>
</tr>
<tr>
<td>TA 367</td>
<td>[1-4] Performance Workshop</td>
</tr>
<tr>
<td>TA 377</td>
<td>(1) Kennedy Center American College Theatre Festival</td>
</tr>
<tr>
<td>TA 387</td>
<td>[1-4] Design &amp; Technology Workshop</td>
</tr>
<tr>
<td>TA 415</td>
<td>(4) Acting for the Camera</td>
</tr>
<tr>
<td>TA 480</td>
<td>(1-4) Special Topics in Theatre Arts</td>
</tr>
</tbody>
</table>

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 15

Required Courses [5 units]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 340</td>
<td>(4) Theatre History &amp; Criticism I, or</td>
</tr>
<tr>
<td>TA 341</td>
<td>(4) Theatre History &amp; Criticism II [DCGn]</td>
</tr>
<tr>
<td>TA 328</td>
<td>(1) Production Practicum</td>
</tr>
</tbody>
</table>

Elective Courses [10 units]

Complete 10 units focused on performance, design and technology, or a combination of the two areas selected in consultation with a departmental advisor. Note: No more than 3 units total of TA 328 may count toward minor unit requirements.

Screen
Minor in Water Resource Policy

Advisor
Mark Baker
Founders Hall 140
707-826-3907
J.Mark.Baker@humboldt.edu

Department of Politics
Founders Hall 180
707-826-4494

The Program
Before beginning, make an appointment with the advisor. After completing two courses, file a program plan.

Students find this background helpful for careers with public and private agencies, non-profit organizations, and the private sector.

Requirements for the minor: 18 units, composed of at least two courses from each of the following three categories.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 18

Policy/Political Process
Two courses from the following:
- ESM 325 (3) Environmental Law and Regulation
- ESM 425 (3) Environmental Impact Assessment, or
- ENGR 410 (3) Environmental Health & Impact Assessment [Prereq: ENGR 313, ENGR 351, ENGR 440]
- PSCI 317 (4) Public Policy Process

Water Resources – Social Aspects
Two courses from the following:
- NAS 366 (4) Tribal Water Rights
- PSCI 352 (4) Water Politics
- PSCI 365/GEOG 365 (4) Political Ecology
- ECON 423 (3) Environmental & Natural Resource Economics

Water Resources – Physical Aspects
Two courses from the following:
- WSHD 333 (3) Wildland Water Quality [Prereq: CHEM 107 or consent of instructor]
- WSHD 310 (4) Hydrology & Watershed Management
- FISH 320 (3) Limnology
- FISH 476 (3) Ecology of Running Waters [Prereq: BIOL 105 or IA]
- GEOG 473 (1-4) Topics in Physical Geography [when offered as Global Water Resources (3)]

or other appropriate courses as approved by minor advisor.
Minor in Watershed Management

See Natural Resources for information on the Master of Science degree with a concentration in Watershed Management.

Advisor
Andrew Stubblefield
Forestry Building 212
707-826-3258
Andrew.Stubblefield@humboldt.edu

Department of Forestry and Wildland Resources
Forestry Building 205
707-826-3935, fax 707-826-5634
fwr.humboldt.edu

The Program
Focus on watershed processes and interactions between geophysical, biological, and socioeconomic factors in bounded geographic drainage basins. The interplay between watershed processes and the management of other natural resources is integral to these studies.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 13

SOIL 260 (3) Intro to Soil Science
WSHD 310 (4) Hydrology & Watershed Management

Plus one of the following two courses:
GEOL 306 (3) General Geomorphology
SOIL 360 (3) Origin & Classification of Soils

Plus one of the following two courses:
WSHD 424 (3) Watershed Hydrology
WSHD 458 (3) Climate Change & Land Use
Bachelor of Science degree with a major in Wildlife — with concentrations in: Wildlife Management & Conservation, Conservation Biology/Applied Vertebrate Ecology

See Natural Resources for information on the Master of Science degree with an concentration in Wildlife.

Department Chair
Daniel Barton, Ph.D.

Department of Wildlife
Wildlife & Fisheries Building 220
707-826-3953
humboldt.edu/wildlife

The Program
Students completing this program will have demonstrated:
- knowledge of theories, concepts, and identification procedures in wildlife biology
- use of appropriate evaluative techniques to develop knowledge and to examine questions when conducting wildlife/habitat investigations
- adept presentation of concepts and research findings
- appreciation of sociopolitical factors that affect wildlife conservation and management processes.

Humboldt’s wildlife students have the advantage of living close to the ocean, wetlands, and many wildlife sanctuaries. Nearly five million acres of national forest, parks, and public wilderness lands offer hands-on study of wildlife, ecology, and management. Students frequently take field trips to surrounding wildlife areas and focus on laboratory study. Humboldt’s graduates do well as: wildlife biologists, soil scientists, wildlife managers, wildlife refuge managers, park rangers, naturalists, preserve managers, fish and game wardens, conservation officers, fisheries technicians, forestry technicians, range conservationists, agricultural inspectors, and environmental planners.

Preparation
In high school take mathematics, chemistry, biology, and any environmental studies that may be available. Students are expected to be proficient in computer applications.

REQUIREMENTS FOR THE MAJOR
For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements
Total units in the major: 73-78
Total units required for the degree: 120

Wildlife Management & Conservation Concentration (73-74)

Lower Division (31 units)

Life Sciences
- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany
- ZOOL 110 (4) Introductory Zoology

Physical Sciences
- CHEM 107 (4) Fundamentals of Chemistry

Complete one of the following:
- CHEM 110 (5) General Chemistry II
- CHEM 128 (3) Introduction to Organic Chemistry

Upper Division (38 units)

Mathematics
- MATH 102 (4) Algebra & Elementary Functions or equivalent
- STAT 109 (4) Introductory Biostatistics

Conservation, Policy & Administration
- WLDF 210 (3) Introduction to Wildlife Conservation and Administration
- WLDF 244 (1) Wildlife Policy & Animal Welfare

Conservation Biology/Applied Vertebrate Ecology Concentration (76-78)

Lower Division (30 units)

Life Sciences
- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany
- ZOOL 110 (4) Introductory Zoology

Physical Sciences
- CHEM 107 (4) Fundamentals of Chemistry
- CHEM 128 (3) Introduction to Organic Chemistry

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Mathematics
MATH 105  (3) Calculus for the Biological Sciences & NR
STAT 109  (4) Introductory Biostatistics

Conservation, Policy & Administration
WLDF 210  (3) Intro to Wildlife Conservation and Administration
WLDF 244  (1) Wildlife Policy and Animal Welfare

Upper Division (46-48 units)
BOT 330/330L (2/1) Plant Ecology and Plant Ecology Lab
BIOL 340  (4) Genetics, or
FISH 474  (4) Conservation Genetics of Fish and Wildlife
BOT 350  (4) Plant Taxonomy
WLDF 301  (3) Principles of Wildlife Management
WLDF 311  (4) Wildlife Techniques
WLDF 365  (3) Ornithology I
WLDF 460  (3) Conservation Biology
ZOOL 356  (3) Mammalogy

Life Forms & Applied Science/Mgmt.

Complete one of the following courses:
WLDF 420  (3) Wildlife Management (Waterfowl)
WLDF 421  (3) Wildlife Management (Upland Game)
WLDF 422  (3) Wildlife Management (Mammals)
WLDF 423  (3) Wildlife Management (Nongame)

Habitat Ecology/Management

Complete one of the following courses:
WLDF 430  (3) Ecology & Management of Wetlands Habitats for Wildlife
WLDF 431  (3) Ecology & Management of Upland Habitats for Wildlife

Advanced Classes

Complete two of the following courses:
WLDF 450  (3) Principles of Wildlife Diseases
WLDF 464  (3) Urban Wildlife Ecology
WLDF 468  (3) Spatial Wildlife Ecology
WLDF 470  (3) Animal Energetics
WLDF 475  (3) Wildlife Ethology
WLDF 478  (3) Ecology of Wildlife Populations

Capstone Classes
WLDF 485  (1) Senior Seminar

Complete one of the following:
WLDF 490  (3) Honors Thesis
WLDF 492S (3) Senior Project, Service
WLDF 495  (3) Senior Project

Elective Course

Complete one of the following courses:
GSP 270  (3) Geographic Information Science (GIS) [Prereq: GSP 101/GSP 101L]
FISH 310  (4) Ichthyology
STAT 333  (4) Linear Regression Models/ANOVA
STAT 406  (4) Sampling Design & Analysis
STAT 504  (4) Multivariate Statistics
ZOOL 310  (4) Animal Physiology
ZOOL 314  (5) Invertebrate Zoology
ZOOL 354  (4) Herpetology
ZOOL 358  (4) General Entomology

…
Women's Studies Minor

Minor in Women's Studies

Certificate of Study in Women's Studies

(See Certificates of Study)

See also the Women's Studies Emphasis within the Critical Race, Gender and Sexuality Studies (CRGS) major.

Department Chair
Kim Berry, Ph.D.
Behavioral & Social Sciences 246

Department of Critical Race, Gender and Sexuality Studies
Behavioral & Social Sciences 206
707-826-4329, fax 707-826-4320
crgs.humboldt.edu

The Program

Students completing this minor will have demonstrated the ability to:

 use intersectional analysis to examine social issues
 explain prominent debates in critical social theory
 examine gendered, racialized, and/or sexualized relations in a transnational context
 articulate the relationship between social justice movements and history.

As the academic branch of the women's movement, Women's studies challenges assumptions upon which the Western tradition of scholarship has been based and seeks to integrate the diverse experiences and perspectives of women into the curriculum.

Our core curriculum offers students the analytical tools for understanding gender as it is constructed within and through differences of ethnicity, class, sexuality, and nationality. It enables students to interpret the diverse lives, issues, and voices of women in our multicultural and transnational world.

Women's Studies faculty, from departments campuswide, work closely with the program leader to offer a dynamic and student-centered minor; certificate of study, as well as the pathway in Women's Studies within the Critical Race, Gender and Sexuality Studies major. Our program also works with the student-run Women's Resource Center and other women's groups on campus to provide a network of resources, support, and referral on women-centered issues, organizations, and events. We sponsor programs of interest to women, including workshops and speakers.

This program is useful in the following careers: administrator of nonprofit women's organization, affirmative action officer; attorney, community organizer, computer software designer; coordinator of women's programs in government and business; counselor, editor, environmental activist, international development worker, journalist, legal assistant, lobbyist for women's issues, political advocate, psychologist, rape crisis specialist, researcher on women's projects, social worker; teacher, union organizer; urban planner; women's resource center director; women's health care specialist, writer.

REQUIREMENTS FOR THE MINOR

Total units required for the minor: 16

Required Courses (10 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 106</td>
<td>3</td>
</tr>
<tr>
<td>WS 107</td>
<td>3</td>
</tr>
<tr>
<td>CRGS 390</td>
<td>4</td>
</tr>
</tbody>
</table>

Upper Division Electives (6 units)

Complete a minimum of 6 upper division units. At least one course (3 units minimum) must have significant transnational analysis (these courses are marked with [*T*]).

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRGS 35</td>
<td>1</td>
</tr>
<tr>
<td>CRGS 313/EDUC 313</td>
<td>3</td>
</tr>
<tr>
<td>CRGS 330</td>
<td>3</td>
</tr>
<tr>
<td>CRGS 360</td>
<td>3</td>
</tr>
<tr>
<td>CRGS 430</td>
<td>3</td>
</tr>
<tr>
<td>WS 300</td>
<td>3</td>
</tr>
<tr>
<td>WS 303</td>
<td>3</td>
</tr>
<tr>
<td>WS 306/FREN 306/GERM 306/SPAN 306</td>
<td>3</td>
</tr>
<tr>
<td>WS 318/EDUC 318</td>
<td>3</td>
</tr>
</tbody>
</table>

And other advisor-approved courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 320</td>
<td>3</td>
</tr>
<tr>
<td>WS 336/ES 336/ENGL 336</td>
<td>3</td>
</tr>
<tr>
<td>WS 340</td>
<td>3</td>
</tr>
<tr>
<td>WS 350</td>
<td>4</td>
</tr>
<tr>
<td>WS 370</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 360</td>
<td>4</td>
</tr>
<tr>
<td>WS 419/PSYC 419</td>
<td>3</td>
</tr>
<tr>
<td>WS 436/PSYC 436</td>
<td>3</td>
</tr>
<tr>
<td>WS 465B-C/ENGL 465B-C/ES 465B-C</td>
<td>4</td>
</tr>
<tr>
<td>WS 480</td>
<td>1-5</td>
</tr>
</tbody>
</table>

[T] Courses with significant transnational analysis.
Bachelor of Science degree with a major in Zoology

Minor in Zoology

Master of Science degree in Biology [see Biology]

Department Chair
Amy Sprowles, Ph.D.

Department of Biological Sciences
Science Complex B 221
707-826-3245
humboldt.edu/biosci

The Program

Students completing this program will have demonstrated the ability to:

- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists
- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools [statistics, calculus] and physical principles [physics, chemistry] to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnected-ness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

Zoology students at Humboldt can take advantage of our well-developed vertebrate and invertebrate museums. Nearby coastlines, forests, and mountains offer opportunities for studying animals in their native habitats; we also house animals in on-campus quarters. Molecular biology facilities and electron microscopes are available for student use.

Students interested in marine life have use of Humboldt’s marine laboratory, located in nearby Trinidad, and the university’s research vessel, the Coral Sea.

Zoology graduates pursue such careers as: technical writer, zookeeper, environmental consultant, entomologist, herpetologist, mammalogist, health technician, animal nutritionist, laboratory technician, museum curator, science librarian.

Preparation

In high school take biology, chemistry, and physics (with labs, if possible) plus algebra, geometry, and trigonometry.

Requirements for the Major

For a description of degree requirements to fulfill in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 67-82.

Unit Requirements

Total units in the major: 72-78
Total units required for the degree: 120

Special Grade Requirement

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

Lower Division (34-37 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BOT 105</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 228</td>
<td>Brief Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Calculus for the Biological Sciences &amp; NR, or</td>
<td>3</td>
</tr>
<tr>
<td>MATH 109</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYX 106</td>
<td>College Physics: Mechanics &amp; Heat</td>
<td>4</td>
</tr>
<tr>
<td>PHYX 107</td>
<td>College Physics: Electromagnetism &amp; Modern Physics, or</td>
<td>4</td>
</tr>
<tr>
<td>PHYX 118</td>
<td>College Physics: Biological Applications</td>
<td>1</td>
</tr>
<tr>
<td>STAT 109</td>
<td>Introductory Biostatistics</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 110</td>
<td>Introductory Zoology</td>
<td>4</td>
</tr>
</tbody>
</table>

Upper Division (38-41 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 307</td>
<td>Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Principles of Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 340</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 350</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 310</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Animal Structure & Function

Complete one course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOL 370</td>
<td>Comparative Anatomy of the Vertebrates</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 430</td>
<td>Comparative Animal Behavior</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 476</td>
<td>Principles of Animal Development</td>
<td>4</td>
</tr>
</tbody>
</table>

Invertebrate Diversity

Complete one course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOL 314</td>
<td>Invertebrate Zoology</td>
<td>5</td>
</tr>
<tr>
<td>ZOOL 316</td>
<td>Freshwater Aquatic Invertebrates</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 358</td>
<td>General Entomology</td>
<td>4</td>
</tr>
</tbody>
</table>

Vertebrate Diversity

Complete one course.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FISH 310</td>
<td>Ichthyology</td>
<td>4</td>
</tr>
<tr>
<td>WLD 365</td>
<td>Ornithology</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 354</td>
<td>Herpetology</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 356</td>
<td>Mammalogy</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Division Life Sciences Electives

Complete two courses, totaling at least 5 units, chosen in consultation with your advisor. Possible courses include the following list, or any animal structure & function; invertebrate or vertebrate diversity course listed above, if not already taken.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 412</td>
<td>General Microbiology</td>
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<td>BIOL 418</td>
<td>Marine Microbiology</td>
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<tr>
<td>BIOL 433</td>
<td>Microbial Ecology and</td>
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<td>BIOL 433D</td>
<td>Microbial Ecology Discussion</td>
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<td>BIOL 440</td>
<td>Molecular Genetics Lab</td>
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<td>BIOL 450</td>
<td>Cell Biology Lab</td>
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<tr>
<td>BIOL 459</td>
<td>Senior Thesis</td>
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<tr>
<td>BIOL 499</td>
<td>Directed Study</td>
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<tr>
<td>BIOL 554</td>
<td>Plant/Animal Interactions</td>
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<tr>
<td>BIOL 564</td>
<td>Transmission &amp; Scanning Electron Microscopy</td>
<td>4</td>
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BOT 350  (4) Plant Taxonomy
CHEM 438  (4) Biochemistry
FISH 380  (3) Techniques in Fishery Biology
FISH 434  (4) Ecology of Freshwater Fish
FISH 435  (4) Ecology of Marine Fish
FISH 471  (3) Fish Disease
FISH 474  (4) Conservation Genetics of Fish and Wildlife
WLDF 450  (3) Principles of Wildlife Diseases
WLDF 460  (3) Conservation Biology
ZOOL 325  (4) Advanced Behavioral Neuroscience
ZOOL 530  (3) Benthic Ecology
ZOOL 552  (3) Advanced Invertebrate Zoology
ZOOL 556  (4) Marine Mammalogy
ZOOL 560  (4) Advanced Mammalogy

REQUIREMENTS FOR THE MINOR

Total units required for the minor:  22

Lower Division (8 units)
BIOL 105  (4) Principles of Biology
ZOOL 110  (4) Introductory Zoology

Upper Division (14 units)
Complete 14 units of upper division zoology courses approved by the zoology minor advisor. Of these 14 units, a minimum of 6 units must be courses NOT used to satisfy major requirements.