

Interdisciplinary and Special Programs

Interdisciplinary and Special Programs:

Aging Studies (see Gerontology)
 Asian Studies
 Atmospheric Sciences
 Basque Studies
 Bioethics
 Biomedical Engineering
 Cell and Molecular Biology
 Cellular and Molecular Pharmacology and Physiology
 Chemical Physics
 Developmental Disabilities
 Ecology, Evolution and Conservation Biology
 Environmental Sciences
 Ethnic Studies
 General Studies
 Gerontology
 Health Care Ethics
 Historic Preservation
 Holocaust, Genocide and Peace Studies
 Honors Program
 Hydrologic Sciences
 International Affairs
 Italian Studies
 Japanese Studies
 Judicial Studies
 Justice Management
 Latin American Studies
 Medieval and Renaissance Studies
 Museum Studies
 Nanotechnology
 National Student Exchange
 Neuroscience
 Religious Studies
 Renewable Energy
 Reserve Officers Training Corps
 Social Psychology
 University Studies Abroad Consortium
 Western Interstate Commission for Higher Education
 Women's Studies

Interdisciplinary and special programs are offered at the university to provide students with enriched educational opportunities extending beyond the traditional offerings. Some programs allow students to coordinate study in various academic disciplines. Other programs provide study opportunities in different geographic regions within the United States, as well as in other countries. Most of the programs are coordinated by faculty advisory boards.

Asian Studies Minor

236 Mack Social Science

(775) 784-4601

A minor in Asian Studies is offered through the College of Liberal Arts and is coordinated by the International Affairs Program. It is supported by Chinese and Japanese language instruction on campus and by Chinese, Japanese, Korean and Thai language instruction available through the University of Nevada, Reno's University Studies Abroad Consortium (USAC) programs in China, Japan,

Korea and Thailand.

Students must complete 18 Asian regional credits, consisting of two or three lower division foundational and regional survey courses and three or four upper division regional content courses as listed below. Courses taken through USAC and other approved study abroad programs may be used to complete the minor.

Lower-division Foundational and Regional Survey Courses—6-9 credits

Foundational Courses (0-3 credits)

ANTH 201—Peoples and Cultures of the World

IAFF 100—Global Studies

PSC 211—Comparative Government and Politics

Regional Survey Courses (6-9 credits)

CHI 223—Modern Chinese Literature in Translation

HIST 211, 212—History of East Asia I & II

JPN 221—Japan and Its Culture

PHIL 210—World Religions

Upper-Division Regional and Regional-Content Courses—9-12 credits

ANTH 401D—Peoples and Cultures of Southeast Asia

ECON 305—Comparative Economic Systems

ECON 404—Monetary and Financial Economics

ECON 461—Chinese Economy

GEOG 489—East Asia

HIST 450A—Modern Chinese History

HIST 494A—Medicine and Technology in Traditional China

HIST 494B—Pathologies of Daily Life in Modern China

HIST 494C—Topics in Chinese Culture and Society

HIST 498—Advanced Historical Studies

MKT 456—International Marketing

PSC 405P—Global Political Economy

PSC 407B—Political Systems of East Asia

PSC 407F—Political Systems of China

PSC 407J—Nationalism

PSC 407S—Comparative Political Economy

Atmospheric Sciences M.S. & Ph.D.

Department of Physics

225 Leifson Physics

(775) 784-6792

Atmospheric Sciences (ATMS) is a research-based interdisciplinary graduate program leading to a master of science (M.S.) or doctor of philosophy (Ph.D.) degree. The program is offered through the UNR Department of Physics in partnership with the Desert Research Institute (DRI) Division of Atmospheric Sciences. Students pursue research in atmospheric chemistry, cloud and aerosol physics, instrument development, atmospheric optics and acoustics, mesoscale meteorology, numerical modeling, fire climatology and other topics. Admission requirements to the master's program include a bachelor's degree in an aspect of atmospheric sciences, physical sciences, chemistry, engineering, mathematics or a related field, and at least a 3.0 cumulative grade point average in prior academic coursework. Admission requirements to the doctoral program include those listed above as well as successful completion of a master's degree in atmospheric sciences or a related field. Graduate assistantships are available on a competitive basis.

Candidates for the M.S. or Ph.D. degree must satisfy all of the general requirements of the Graduate School. In addition, the M.S. degree requires completion of a minimum of 30 credits, which include: 6 credits of thesis (ATMS 797), 1 credit of seminar (ATMS 790 R or PHYS 790), 12 credits of courses in the ATMS Core Curriculum, 6

credits in ATMS 700-level coursework, and 5 additional credits of 700-level elective coursework. The completion of a thesis and a final oral examination is required, and these are directed by the student's graduate advisory committee.

The Ph.D. degree requires completion of 72 credits, including 24 credits of dissertation (ATMS 799), 2 credits of seminar (ATMS 790 R or PHYS 790), 12 credits of courses in the ATMS Core Curriculum, and 12 additional credits in ATMS 700-level courses (including ATMS 748). The completion of a dissertation and a final oral examination is required, and these are directed by the student's graduate advisory committee.

Required Core Courses

ATMS 610—Airflow and Weather Dynamics.....	3
ATMS 611—Atmospheric Physics.....	3
ATMS 612—Air Pollution.....	3
ATMS 613—Synoptic Meteorology.....	3

If the Core courses or their equivalent were taken at the undergraduate level at UNR or another university, then other ATMS graduate level courses can be substituted with the approval of the graduate program director. Graduate-level course credits required for a M.S. or Ph.D. degree should be fulfilled with ATMS and related interdisciplinary courses selected by the student and the graduate advisory committee to reach the student's academic and research goals.

A Qualifying Exam consisting of written and oral questions is typically given to new students. Incoming students with deficiencies in background subjects will be advised to take courses to correct these deficiencies within the first year of study, and may be required to take a follow-up qualifying exam in the next semester. Students in the Ph.D. program must pass a Comprehensive Exam (ATMS 795) for advancement to candidacy after the majority of their coursework has been completed. The examination consists of written and oral sessions with topics of general background and the student's specific research area, including atmospheric physics, atmospheric chemistry, meteorology and applied mathematics.

Basque Studies Minor & Ph.D.

2322 Mathewson-IGT Knowledge Center
(775) 784-4854

An undergraduate minor in Basque studies is offered through the Center for Basque Studies, part of the College of Liberal Arts. The Center offers many courses on Basque topics, both in the regular classroom setting and online through Independent Learning. In addition, the University Studies Abroad Consortium (USAC) offers Basque courses in the Spanish Basque Country. The minor program provides students with an introduction and exposure to one of the unique ethnic heritages of Europe and the American West. The minor can be obtained entirely through online courses if the student prefers.

Requirements include a two-semester (8-credit) course sequence in elementary Basque and 15 additional credits. Courses are listed below.

Basque Tutorial Ph.D. Degree

The interdisciplinary Basque tutorial Ph.D. program gives students in the humanities and social sciences the opportunity to pursue doctoral studies emphasizing Basque-related courses and dissertation research. The program requires a minimum of 73 credits beyond the B.A. degree: 1 credit of comprehensive examination; 48 class credits; and 24 dissertation credits. Up to 24 class credits may be accepted from M.A. work. Of the total 48 class credits, at least 30 must be 700-level. Upon completing the program, students will be awarded a Ph.D. in Basque studies with an emphasis in: anthropology, foreign languages and literatures, geography, history or political science.

The program's tutorial nature requires the student to complete a plan of study under the direction of a mentor and with the approval of a standing admissions and policy board, a dissertation committee and the faculty of the related academic department. The comprehensive examination credit does not count toward the required 30 credits of 700-level course work, exclusive of dissertation, required for

a doctoral degree. Students must complete a minimum of one year (two consecutive semesters) in residence at the University of Nevada, Reno.

Program applicants must have earned a master of arts or an equivalent degree from a recognized institution and must satisfy the preapplication screening requirements of the admissions and policy board. The annual filing date for submitting preapplication screening information to the program coordinator is Feb. 1. Applicants approved by the screening board must file an official application for admission and supporting documents with the graduate school as well. Applicants will be notified of their admission status by May 15.

In addition, a limited number of graduate assistantships may be available. For further information, contact the Center.

Minor in Basque Studies - 23 credits

Requirements include a two-semester (8 credit) course sequence in Elementary Basque and 15 additional credits. Second Year Basque (BASQ 203-204) is recommended.

Required Core Courses:

BASQ 101—Elementary Basque I.....	4
BASQ 102—Elementary Basque II.....	4

Additional requirements—15 credits

Choose 15 credits from the following:

All are 3 credits unless otherwise noted.

BASQ 203—Second Year Basque I	
BASQ 204—Second Year Basque II	
BASQ/ANTH/FLL/PSC 220—Introduction to Basque Cultural Studies in a Global Frame	
BASQ 221—Introduction to Basque Folk Dance (2 credits)	
BASQ 295—Independent Language Study (1-2 credits)	
BASQ/ANTH/PSC/SOC/WMST 378—Basque Transnationalism in the U.S.	
BASQ 405-406—Basque Conversation and Composition I and II (3 credits each)	
BASQ 407/PSC 407v—Contemporary Basque Politics	
BASQ 431/HIST 431 R—Modern Basque History (1700 to the present)	
BASQ 451—Basque Literature	
BASQ 452—Bernardo Atxaga	
BASQ 456/FLL 456/ANTH 412—Basque Language, Society, and Culture	
BASQ 460—Topics in Basque Cultural Studies (1-6 credits)	
BASQ 461/WMST 462—Basque Gender Studies	
BASQ 466 R/ANTH 413/ART 466—Museums, Architecture, City Renewal: The Bilbao Guggenheim	
BASQ 471/ANTH 414 R—Basque Culture	
BASQ 472/ANTH 415 R/PSC 407L—Basque Diaspora Studies	
BASQ 473—Basque Cinema: An Introduction	
BASQ/ANTH 477—War, Occupation and Memory in the Basque Country	
BASQ 480—Consuming Culture: Food, Gastronomy and Lifestyles	
BASQ 495—Independent Language Study (1-3 credits)	
BASQ 499—Individual Research in Basque Cultural Studies	
HIST 497—Independent Study in History (when offered as: Basque and Iberian History)	
PSC 480A—Independent Study and Research in Political Science (when offered as: Political Institutions of the Basques, Spain, and Europe)	

Crosslisted courses may be taken under any of the prefixes noted above and still count toward fulfilling the minor. Courses listed through other departments (such as independent study) may also apply to the minor if the subject matter is approved by the program director of Basque Studies.

Students who include BASQ 203 and 204 to fulfill the minor requirement may also use these courses to fulfill their foreign language requirement.

Ph.D. in Basque Studies

BASQ 605-606—Basque Conversation and Composition I and II.....	3 each
BASQ/HIST 631—Modern Basque History (1700 to the present).....	3
BASQ 651—Basque Literature.....	3
BASQ 652—Bernardo Atxaga.....	3
BASQ 656/FLL 656/ANTH 612—Basque Language, Society, and Culture.....	3
BASQ 660—Topics in Basque Cultural Studies.....	1-6
BASQ 661—Basque Gender Studies.....	3
BASQ 666 R/ANTH 613 R/ART 666—Museums, Architecture, City Renewal: The Bilbao Guggenheim....	3
BASQ 671/ANTH 614 R—Basque Culture.....	3
BASQ 672/ANTH 615 R/PSC 607L—Basque Diaspora Studies.....	3
BASQ 673—Basque Cinema: An Introduction.....	3
BASQ/ANTH 677—War, Occupation & Memory in the Basque Country.....	3
BASQ 680—Consuming Culture: Food, Gastronomy and Lifestyles.....	3
BASQ 699—Individual Research in Basque Cultural Studies.....	1-6
BASQ 793—Independent Study.....	1-3
BASQ 799—Dissertation.....	1-24
HIST 697—Independent Study in History (when offered as: Basque and Iberian History).....	3
PSC 680A—Independent Study and Research in Political Science (when offered as: Political Institutions of the Basques, Spain, and Europe).....	3

For the Ph.D., at least 30 credits of 700-level courses must be completed, exclusive of dissertation credits, in one of five discipline areas: Anthropology, Foreign Languages and Literature, Geography, History, Political Science. Ph.D. students are also required to take 1 credit of comprehensive examination (BASQ 795) that does not count towards the number of 700 level credits required. As many as 18 of these credits may be used from a master's degree program. Remaining courses to be determined in discussion with graduate advisor, and based on student's research topic.

Study Abroad Programs in the Basque Country

The University of Nevada, Reno is the lead institution of the University Studies Abroad Consortium (USAC) whose Central Office is located on campus. USAC offers study abroad programs in 25 countries at 40 locations. Students may participate in USAC's study abroad program in the Basque Country in San Sebastián and Bilbao/Getxo, Spain, and in Pau, France. Students can complete up to two years of foreign language requirements in one semester. The programs offer international business and Basque-related courses and others in the areas of art history, culture, history, political science, dance and cuisine. Come by the USAC office in the Virginia Street Gym, Room 5, call (775) 784-6569, (866)404-USAC, email at: usac@unr.edu or check out the website at: <http://usac.unr.edu>.

Bioethics Graduate Certificate

105 Mackay Science Building

(775) 327-2309

ethics@unr.edu

The graduate certificate in Bioethics provides an opportunity for graduate students and working professionals in the health care fields to gain knowledge and skills in the specialized area of bioethics. The program seeks to teach students the core competencies called for by the American Society for Bioethics and Humanities. These objectives include (1) ethical assessment skills, (2) process skills,

and (3) interpersonal skills. This program provides a specialization that can be productively used to enhance one's current career or to supplement work in another degree. Courses are offered in evenings, weekends, intensive, and web-based classes in addition to traditional courses. Students must have a B (3.0) or better average in each course to earn the certificate and all course work must be completed within 5 years of matriculation.

Admissions Requirements

Students not enrolled in a graduate degree program must complete a graduate special application and notify Health Care Ethics of their intent to complete the certificate program. Students must be admitted to both the Certificate Program and the Graduate School. Students already enrolled in a graduate program must be graduate students in good standing and apply to the certificate program through Health Care Ethics. In both cases, students must send to HCE two letters of recommendation, transcripts, a two-page statement of purpose, and a writing sample. Applicants must have a 2.75 GPA.

Certificate Requirements

A total of 14 graduate credits are required. Students must complete the 8 credit core as well as 6 credits in elective classes.

Required Core Courses:

HCE 701—Foundations in Bioethics.....	3
HCE 702—Legal and Ethical Issues in Bioethics.....	3
HCE 780—Clinical Ethics.....	2

Elective Requirements

CHS 645—Human Values and Professional Ethics.....	3
CHS 647—Health Ethics and the Humanities.....	3
CHS 747—Health Care Ethics in Religious Traditions.....	3
CHS 785—Public Health Ethics.....	3
HCE 651—Health Care in Diverse Societies.....	3
HCE 670—Religious Perspectives in Health, Healing & Ethics.....	3
HCE 691—Independent Study in Health Care Ethics.....	1-3
HCE 695—Topics in Health Care Ethics.....	3
HDFS 637—Death and Dying: Family and Lifespan Perspectives.....	3
PHIL 650—Ethical Theory.....	3

For more information, contact Health Care Ethics at (775) 327-2309, ethics@unr.edu or stop by Mackay Science Building, room 105 or visit <http://unr.edu/hce>.

Biomedical Engineering M.S., Ph.D. & M.D./Ph.D.

312 Applied Research Facility

(775) 784-4952

Biomedical engineering is an interdisciplinary program offered by the College of Engineering. The program culminates in the master of science and/or doctor of philosophy degrees. Students also participate in the M.D./Ph.D. program (Refer to the "Combined M.D./Ph.D." description in the Division of Health Sciences section of this catalog.)

In this research-oriented program, advanced scientific and engineering techniques are utilized to address modern problems in medicine and biology. Candidates must meet the Graduate School's admission criteria as well as additional requirements of the program. Ideally, the applicant's background would include: two semesters of biology or physiology, two semesters of physics or biophysics, two semesters of chemistry or biochemistry, calculus (including differential equations) and proficiency in at least one computer programming language. Students who are admitted with a deficiency in any academic area must complete required courses early in the graduate program.

The curriculum is centered around "areas of proficiency" related to research activities. Students must demonstrate proficiency in three areas at the masters level and four areas at the doctoral level, where at least one area is in the engineering or physical sciences and at least one other area is in the medical or life sciences. In addition to Graduate

School requirements, all students must pass an oral defense of thesis/dissertation research and the following course, which will acquaint them with the broad field of biomedical engineering:

BME 601—Introduction to Biomedical Engineering.....3

Doctoral students must also complete additional requirements including: a research rotation, communications courses, a grant-writing exercise including an oral examination, presentation of work at a national or international scientific meeting, and a comprehensive exam for 1 credit which will be allowed to count toward the 30 credits of required 700-level course work.

All courses of study must be approved by a student advisory committee and the program director. Students are encouraged to identify research interests and faculty mentors as early as possible during the program. For more information, write to: Biomedical Engineering, Mail Stop 400, University of Nevada, Reno, Reno, NV, 89557. The e-mail address is bmeadmin@unr.edu. Call (775) 784-4952.

Cell and Molecular Biology M.S. & Ph.D.

146 Howard Medical Sciences

(775) 784-6161

Cell and molecular biology is an interdisciplinary program offered by the School of Medicine, the College of Agriculture, Biotechnology and Natural Resources and the College of Science. Study programs lead to the master of science or doctor of philosophy degree. Additionally, medical students may earn a M.D./Ph.D. degree through the program.

The highly interactive program offers a wide range of study options dealing with contemporary cell and molecular biology. Students who seek admission to the program should have completed the following course requirements: eight credits of both organic chemistry and biology, six credits of physics and four credits of calculus. If a student is admitted with a deficiency in these courses, the required courses must be completed during the first year of graduate study.

Candidates for the master of science degree must satisfy all general requirements of the Graduate School and complete a curriculum consisting of 33 credits, which include the following: 17 credits of Core Curriculum, nine credits of research and thesis and seven credits of approved electives. Any substitutions of the core curriculum requirements must be approved by the director of the cell and molecular biology program. A list of approved electives can be obtained from the program office.

Master of Science Core Curriculum

BCH 613—Molecular Biophysics	3
CMB 710—Molecular Cell Biology	4
BCH 705 R—Molecular Genetics.....	3
CMB 701—Laboratory Practicum I.....	3
CMB 790—Graduate Seminar	2
CMB 794—Colloquium	2

Candidates for the doctor of philosophy degree must satisfy all general requirements established by the Graduate School and complete a minimum of 74 credits, which include the following: 30 credits of Core Curriculum, 27 credits of research and dissertation and 17 credits of approved electives. Substitutions of the core curriculum requirements must be approved by the director of the cellular and molecular biology program. All students must have their study programs approved by the program director, or when appointed, by an advisory committee. A list of approved electives can be obtained from the program office.

Doctor of Philosophy Core Courses:

BCH 613—Molecular Biophysics	3
CMB 710—Molecular Cell Biology	4
BCH 705 R—Molecular Genetics.....	3
CMB 701, 702 and 703—Laboratory Practicum I, II, III	9
CMB 790—Graduate Seminar	2
CMB 794—Colloquium	6
CHS 780—Biostatistics in Public Health.....	3

Additional Program Requirements

All students working toward the doctoral degree must pass a comprehensive examination in which the student independently proposes a research project in the form of a written research grant proposal. The comprehensive exam is one (1) credit and will count toward the 74 credits required for the Ph.D. The comprehensive exam will also count toward the required 30 credits of 700-level course work. Following acceptance of the proposal by an examining committee, the proposal must be defended orally before the committee. All doctoral degree candidates must present a public seminar of their thesis research and pass an oral defense of the dissertation.

Candidates for the M.D./Ph.D. degree must meet the requirements as outlined in the M.D./Ph.D. program. Refer to the "Combined M.D./Ph.D." description in the Division of Health Sciences section of this catalog for more information or contact the microbiology and immunology department, (775) 784-6161.

Graduate fellowships for the cellular and molecular biology program are available on a competitive basis. Contact the program office for more information.

Cellular and Molecular Pharmacology and Physiology Ph.D.

Manville 1

(775) 784-6956

<http://www.unr.edu/med/dept/cmpp/>

The Cellular and Molecular Pharmacology and Physiology (CMPP) program is an interdisciplinary graduate program leading to a doctor of philosophy degree only. The program is designed to prepare the student for a competitive research and teaching career in pharmacology or physiology. A flexible, multidisciplinary basic sciences curriculum, combined with advanced pharmacology and physiology courses, provides the foundation of knowledge needed for subsequent research activities.

Candidates for admission to the program must meet the admission criteria of the Graduate School and additional requirements imposed by the CMPP program. Before entering the program, students should have completed the following: five semesters of chemistry (including two semesters of organic chemistry and one semester of physical chemistry), two semesters of both biology and physics and one semester of calculus. If a student is admitted with a deficiency in these courses, the required courses must be completed early in the graduate program.

Twenty-four credits of dissertation work, as well as a core curriculum of required courses and various elective courses, comprise the program. The course of study is flexible enough to satisfy the student's career interests. One credit of comprehensive examination is required within the 72 credits beyond the BA/BS degree. The comprehensive examination will not count toward the required 48 credits of 700-level course work.

During their first year in the program, students participate in two research rotations. As their training progresses, students will gain experience in critical thinking, scientific writing, oral communication and laboratory practices. At the end of the second year, each student is required to pass a comprehensive qualifying examination. As part of this examination, each student proposes a research project in the form of a written grant proposal. Following acceptance of the proposal, each student must defend his research project orally before the examining committee.

All candidates present a public seminar on their dissertation research and must pass an oral defense of the dissertation.

Chemical Physics Ph.D.

213 Chemistry Building

(775) 784-6041

Chemical physics is an interdisciplinary program offered by the College of Science. The program, which leads to the doctor of philosophy degree, provides students with a diverse curriculum covering the scope of contemporary chemical physics.

Students who are admitted to the program must satisfy the Ph.D. admission requirements of either the chemistry or physics

department, as well as the general admission requirements of the Graduate School.

Candidates for the doctor of philosophy degree must satisfy the Graduate School requirements and complete a minimum of 72 credits, which include the following: 15 credits of core curriculum, 24 credits of research and dissertation, 2 credits of seminar, and 31 credits of elective courses (12 of these credits may be in independent study and 3 credits may be dissertation and 1 credit is for comprehensive examination. The 1 credit comprehensive examination does not count toward the 30 credits of required 700-level course work). Acceptable elective courses include any course approved by the student's graduate advisory committee.

Doctor of Philosophy Core Curriculum

CHEM 755—Statistical Thermodynamics OR	
PHYS 732—Statistical Mechanics	3
CHEM 757—Quantum Chemistry OR	
PHYS 721—Quantum Theory I	3
PHYS 722—Quantum Theory II	3
PHYS 701—Mathematical Physics	3
CHEM 752—Chemical Kinetics OR	
PHYS 702—Classical Mechanics OR	
PHYS 725—Laser Physics	3

Additional Requirements

All students enrolled in the program will be required to pass a comprehensive written and oral examination, based on material covered in the core courses listed above. The written portion of the comprehensive exam must be taken within one year of the student's completion of the core curriculum (typically by the end of the second year). The oral portion of the comprehensive exam will be taken within one week of the written exam. Students who do not achieve satisfactory scores on the first comprehensive examination may retake both parts of the exam within six months of the first testing date.

Once the comprehensive exam has been satisfactorily completed, students are expected to pursue a vigorous research program under the direction of one of the affiliated chemical physics faculty. Research areas supported by the faculty span a broad range of both experimental and theoretical chemical physics topics. Students complete their research programs by writing a dissertation, which must be approved by the graduate advisory committee before a degree is conferred.

Developmental Disabilities

(775) 784-4921

Graduate interdisciplinary specialization and undergraduate interdisciplinary minor programs in developmental disabilities are administered by the Nevada Center for Excellence in Disabilities (NCED) through the College of Education. Participating colleges and schools include Liberal Arts, education, health and human sciences, and medicine. Students in these programs supplement their traditional courses of study with a number of interdisciplinary practical and educational experiences designed to enhance their skills and expand their knowledge of lifespan issues facing individuals with disabilities and their families.

Undergraduate Interdisciplinary Minor

The undergraduate program in developmental disabilities is offered as an interdisciplinary minor in conjunction with any academic major, or as additional credits upon completion of the requirements for an undergraduate degree in an established discipline. Eighteen credits are required, and a minimum of 9 credits must be taken in disciplines outside of one's major degree program. Students are required to take at least one course in each of the following competency areas:

- Foundations in Developmental Disabilities
- Assessment and Diagnosis
- Treatment and Training
- Family Interactions and Community Resources
- Transdisciplinary Case Management

Courses and field work taken to satisfy these competencies must be selected from a list of NCED-approved courses offered by the following departments: curriculum and instruction, human development and family studies, psychology, social work, and speech pathology and audiology.

Graduate Interdisciplinary Specialization: The graduate interdisciplinary specialization in developmental disabilities is offered as a specialization for graduate students, or as additional credits earned upon completion of the requirements for a graduate degree in an established discipline. Eighteen credits are required, and a minimum of nine credits must be taken in disciplines outside of one's major degree program. Students are required to take at least one course in each of the following competency areas:

- Foundations in Developmental Disabilities
- Assessment and Diagnosis
- Treatment and Training
- Family Interactions and Community Resources
- Transdisciplinary Case Management
- Program Management and Evaluation
- Leadership/Grant Writing (optional)

Courses and field work taken to satisfy these competencies must be selected from a list of NCED-approved 600- and 700-level courses offered by the following departments: curriculum and instruction, educational leadership, family and community medicine, human development and family studies, psychology, social work, and speech pathology and audiology.

For additional information on the undergraduate- or graduate-level interdisciplinary programs in developmental disabilities and current course offerings, contact the Director, Nevada Center for Excellence in Disabilities (NCED), Research and Educational Planning Center, or call (775) 784-4921.

Ecology, Evolution and Conservation Biology Ph.D.

147 Fleischmann Agriculture

(775) 784-4439

The ecology, evolution and conservation biology program is a research-based interdisciplinary graduate program leading to a doctor of philosophy degree. The program consists of faculty from the College of Science, College of Agriculture, Biotechnology and Natural Resources, and the Desert Research Institute.

Students examine the ecology, evolution and conservation biology of organisms of the Great Basin and the Sierra Nevada as well as threatened and endangered life-forms in various parts of the world. They investigate a broad range of biological techniques, studying individuals, populations, species, communities and ecosystems.

Students who seek admission to the program should have a cumulative grade-point average of 3.0, a combined verbal and quantitative GRE score of 1,200 (a TOEFL score of 600 for international students) and should have completed the following course requirements: 24 credits of biology (including genetics, evolution and ecology), six credits of physical sciences (including organic chemistry or biochemistry), six credits of university mathematics including calculus and three credits of statistics or equivalent evidence of ability to succeed in a Ph.D. program.

Candidates for the doctoral degree must satisfy all the general requirements of the Graduate School and complete a minimum of 72 credits, which include the following: 24 credits of research and dissertation, 18 credits of electives, 1 credit of which will be comprehensive examination, 16 credits of lecture courses, 12 credits of core curriculum and two credits of seminar. The comprehensive examination may not be used to fulfill the required 30 credits of 700-level course work.

Required Core Curriculum

EECB 701—Research Rotation I or equivalent	3
EECB 702—Research Rotation II or equivalent	3
Graduate-level statistics course	3
Presentation of scientific data or research design	3

Additional Requirements

Students enrolled in the program will be required to pass a qualifying exam. To qualify, they must post a minimum score of 680 on the GRE advanced test in biology or subscores of 70 in population biology, 70 in organismal biology and 62 in cellular and subcellular biology. Students with unsatisfactory scores in any of the three study areas must complete an undergraduate biology course in that specialization with a grade of B or better.

In addition, students will be required to pass a comprehensive written and oral examination. After the written examination is completed, the student's oral exam will be conducted by the student's advisory/examining committee.

Students spend a minimum of two semesters teaching an undergraduate laboratory or lecture course, and complete a rigorous program that includes the writing of a dissertation.

Graduate fellowships for the ecology, evolution and conservation biology program are available on a competitive basis.

Environmental Sciences M.S. & Ph.D.

210 Applied Research Facility
(775) 784-1938

The Environmental Sciences graduate program provides education and research training in the areas of environmental processes and environmental health. The program is based on the notion that graduate education in environmental sciences requires training and research linking the disciplines of chemistry, biology, ecology, physics and human health. The program requires that students have a strong core focus on the environmental sciences that includes flexible and interdisciplinary graduate-level education and research. The program administers a Plan A (thesis/dissertation) graduate course of study and research for the M.S. and Ph.D. students. The program's faculty comes from the University of Nevada, Reno College of Agriculture, Biotechnology and Natural Resources, College of Liberal Arts, the College of Engineering, the University of Nevada, Las Vegas and the Desert Research Institute.

The Environmental Sciences and Health program consists of two disciplinary tracks, which serve as focal points for student recruitment, faculty participation, and administration of academic and research activities. The tracks are *Environmental Processes* and *Environmental Health*. The *Environmental Processes* track focuses on the source, transport, transformation and fate of chemicals in the environment. The *Environmental Health* track addresses biological and ecological issues of fate and effects, ranging from biochemical mechanisms of toxicity in nonhuman species to issues in human health and environmental quality, including biochemistry, physiology and nutrition.

Prospective graduate students should have a GRE score exceeding 1,000 (verbal plus quantitative), TOEFL score exceeding 600 (international students), and an undergraduate or graduate major in biology, chemistry, ecology, physics or human health (or a related major). Applicants for the M.S. and Ph.D. programs must have an undergraduate GPA exceeding 2.75 and 3.0, respectively. In addition, the program has a series of undergraduate course prerequisites, and deficiencies must be made up during the first year of graduate study. Applicants must have a faculty sponsor prior to acceptance in the program. A more detailed list of entrance requirements is available from the program office.

Candidates for both the M.S. and Ph.D. degree must satisfy all general requirements of the Graduate School. In addition, the Environmental Sciences and Health program requires students to take courses as shown below:

Environmental Health

All students must have BCH 600 plus 3 of the following 8 courses.

CEE 756 R—Environmental Chemical Kinetics	3
CHS 473—Epidemiology	3
NRES 630—Analysis of Environmental Contaminants.....	3
NRES 632—Advanced Environmental Toxicology.....	3
NRES 633—Environmental Chemicals Exposure, Transport and Fate	3
NUTR 728—Food and Nutritional Toxicology.....	3

CHS 780—Biostatistics.....	3
BIOL 620—Aquatic Ecology.....	3

Environmental Processes

Complete 4 of the following 8 courses.

ATMS 612—Air Pollution.....	3
ATMS 747—Atmospheric Chemistry	3
BCH 600—Biochemistry.....	3
CEE 756—Environmental Chemistry	3
NRES 630—Analysis of Toxicants.....	3
NRES 632—Environmental Toxicology	3
NRES 633—Environmental Chemicals.....	3
NRES 765—Biogeochemical Cycles.....	3

Additional Course Requirements

NRES 790—Seminar	3-4
Thesis (797 M.S.).....	6
Dissertation (799 Ph.D.).....	24

For the M.S. degree, at least 30 credits of graduate courses must be completed, and at least 21 of these credits must be earned within the NSHE. For the Ph.D. degree, a minimum of 72 credits are required, including at least 34 credit hours in formal course work. A more detailed description of course requirements is available from the environmental sciences and health program office.

Additional Requirements: Students in the Ph.D. program must pass a comprehensive examination at the end of their second year of graduate study. The examination includes topics of general concern in the environmental sciences (written examination) as well as topics focusing on the candidate's particular area of research (written and/or oral examination). The comprehensive examination is worth 3 credits and satisfies as an elective in the program and can be used to fulfill the 30 credits of required 700-level course work.

Upon completion of the research for both the M.S. and Ph.D., the candidate must present a public seminar and pass an oral defense of the thesis or dissertation. A complete description of the program can be obtained from the ES&H program office. Graduate fellowships are available.

Environmental Studies Minor 100C Knudtsen Resources Center

(775) 784-4020

The university offers an interdisciplinary minor in environmental studies through the Department of Natural Resources and Environmental Science, College of Agriculture, Biotechnology and Natural Resources.

The environmental studies program addresses problems of the environment and of natural resource and energy use. Students study several academic disciplines. To complete the program, students must earn 24 credits in the minor field. At least nine credits must be in upper-division (300-400 level) courses.

Core Requirements

The following courses are required for all students seeking a minor in environmental studies:

ENV 100—Humans and the Environment.....	3
Choose ONE of the following:	
All are 3 credits unless otherwise noted.	
GEOG 305—Community Environmental Problems	
GEOG 435/NRES 435—Conservation of Natural Resources	
NRES 467—Regional and Global Issues in Natural Resources and Environmental Science	
PSC 403C—Environmental Policy	

Additional Requirements

Students pursuing the environmental studies minor must select at least two three-credit courses from each of the following areas of concentration:

Ecological and Physical Principles

BIOL 100—Biology Principles and Applications
BIOL 314—Ecology and Population Biology

CHEM 100—Molecules and Life in the Modern World
 GEOG 434 (crosslisted as BIOL 490)—Biogeography
 GEOL 100—Earthquakes, Volcanoes and Natural Disasters
 NRES 100—Principles of Natural Resources and Environmental Science
 NRES 322—Soils
 NRES 467*—Regional and Global Issues in Natural Resources and Environmental Science
 PHYS 100—Introduction to Physics

Humanities, Economics and Social Principles

ANTH 479—Selected Topics in Physical Anthropology
 RECO 202—Natural Resources, Environment and the Economy
 RECO 466—Natural Resource and Environmental Economics
 ECON 102—Principles of Microeconomics
 ENG 491A—Major Texts of the Environmental Movement
 GEOG 464—Race, Gender and the Environment
 HIST 441—American Environmental History
 NRES 211—Conservation, Humans and Biodiversity

OR

Equivalent courses in economic or social sciences

Environmental Planning and Policy

RECO 340—Natural Resource Economics
 GEOG 305*—Community Environmental Problems
 GEOG 457—Land Use Planning Policy
 NRES 494—Range and Forest Administration and Policy
 PSC 403B—Energy Politics and Policy
 PSC 403C*—Environmental Policy
 PSC 403D—Global Environmental Policy OR equivalent course in environmental and resource planning and policy
 PSC 403E—Environmental Law
 PSC 403G—Land and Water Resource Policy

* if not taken as a core requirement

A maximum of six credits in ENV 401 may be used toward the minor program. These earned credits may be substituted for one course in each of two different areas of concentration, as listed above.

Students are advised to gain the approval of an environmental studies adviser and the student's major department before registering for selected courses each semester; the adviser works with the student in designing an appropriate program. No student minoring in environmental studies may include more than six credits from courses in his or her major department. If credits from the major department are used, they must be in addition to those earned to fulfill the requirements for the major.

Ethnic Studies Minor

www.unr.edu/academicaffairs/es

A minor in ethnic studies is offered through Gender, Race and Identity Program housed within the College of Liberal Arts. Designed to increase students' awareness of ethnic and racial issues, domestically and globally, the program examines the experiences and contributions of a wide range of peoples, societies and cultures. The curriculum allows for a focus on issues of ethnicity and race, either domestically or globally.

Refer to the Ethnic Studies Program description in the College of Liberal Arts section of this catalog for more information.

Gender, Race and Identity Graduate Certificate

124 Mack Social Science
 (775) 784-1560

The Graduate Certificate in Gender, Race and Identity provides a curriculum that complements existing graduate programs, both at the M.A. and Ph.D. levels, in such areas as business, history, social work, social psychology, psychology, and sociology.

For more information, please refer to the Gender, Race and Identity

Program description in the College of Liberal Arts section of this catalog.

Bachelor of General Studies

102 Cain Hall
 (775) 784-4684

The university's bachelor of general studies (BGS) degree program provides interdisciplinary study across the academic disciplines and professional fields. It is designed for students whose academic interest or career objectives require an individualized university degree.

Degree candidates are assigned an academic adviser to assist in preparing an appropriate course of study. Prospective graduate students should contact their adviser regarding the degree's applicability to that goal.

The program objectives are:

1. To meet the University of Nevada, Reno's mission as a land-grant university to better serve the general educational needs of the state's citizens;
2. To provide nontraditional students an opportunity to earn a bachelor's degree;
3. To offer a relatively flexible degree program that may include studies in several disciplinary and professional areas.

Entrance Requirements: To be admitted to the program, students must have completed a minimum of 60 undergraduate credits from an accredited institution.

Program Completion Requirements:

- A minimum of 124 credits must be earned with 40 or more credits in courses numbered 300 or above (this includes 6 credits of capstone courses.) A minimum of 45 credits must be completed in University of Nevada, Reno courses these may include online and independent learning courses. Sixty of the 124 total credits must be earned at four-year colleges and universities. A maximum of 60 acceptable correspondence credits may be applied to this degree. Therefore, general studies is not a totally external degree. A maximum of four credits applicable to the BGS degree may be earned in recreation, physical education and dance activity courses (numbered 100-199). Dance courses 332, 335 and 338 do not qualify as upper-division credits in this program;
- A cumulative grade-point average of at least 2.25 for all courses attempted at the university and an overall cumulative GPA of 2.25 or higher;
- All university Core Curriculum requirements are met by completing the General Studies requirements;
- Students in the general studies program may declare no more than two minors;
- Students must complete a 30-credit cluster of thematically-related coursework. Twelve of the 30 credits must be 300-400 level. The cluster must cross three departments or two colleges. A maximum of 6 credits from each minor may be included in the thematic cluster. The student will design the cluster and may use courses already completed. The cluster form must be received by the advisor two semesters prior to graduation;
- Sixty credits must be earned in the following manner (which is subject to change):

A. Humanities and Fine Arts—12 credits

CH 201—Ancient and Medieval Cultures.....3
 CH 202—The Modern World3
 Core Curriculum Fine Arts Requirement3

Refer to the "Fine Arts" section of the Core Curriculum chapter in this catalog.

Select **ONE** additional course from the following:
 All are 3 credits unless otherwise noted.

NOTE: In addition to the courses listed below, students

may complete any Fine Arts course from the Core Curriculum list not used to satisfy the Core Curriculum.

ENG 131—Introduction to Literature
 ENG 203—Introduction to Literary Study
 ENG 223—Themes of Literature
 ENG 235—Survey of English Literature I
 ENG 236—Survey of English Literature II
 ENG 240—Survey of American Literature
 ENG 244—Introduction to Fiction
 ENG 252—Introduction to Drama
 ENG 261—Introduction to Poetry
 ENG 265—Nature in Literature
 ENG 266—Popular Literature
 ENG 271—Introduction to Shakespeare
 ENG 281—Introduction to Language
 ENG 282—Introduction to Language and Literary Expression

ENG 297—Reading and Interpreting
 ENG 298—Writing About Literature
 FREN 221—France and Its Culture
 GER 221—German-Speaking Europe and Its Culture
 GER 223—German Literature in English Translation
 HIST 105—European Civilization
 HIST 106—European Civilization
 ITAL 221—Italy and Its Culture
 ITAL 223—Italian Literature in English Translation
 JPN 221—Japan and Its Culture
 RST 101—Introduction to Religious Studies
 SPAN 221—Iberia and its Cultures
 SPAN 222—Hispanic-America and its Culture
 Any 100- or 200-level Philosophy course

B. Natural Sciences and Mathematics—12 credits

Core Curriculum Natural Sciences Requirement.....6
 Refer to the "Natural Sciences" section of the Core Curriculum chapter in this catalog.
 Core Curriculum Mathematics Requirement3
 Refer to the "Mathematics" section of the Core Curriculum chapter of this catalog.
 Select **ONE** additional course from the following:
 All are 3 credits unless otherwise noted.

Any natural science course from Group A or B not used to satisfy the Core Curriculum.

NOTE: In addition to the courses listed, students may complete any 100-200 level biology, chemistry, geology or physics course

OR

ENV 100—Humans and the Environment

C. Social Sciences—12 credits

Core Curriculum Social Sciences Requirement3
 Refer to the "Social Sciences" section of the Core Curriculum chapter of this catalog.
 CH 203—American Experiences and Constitutional Change3
 Select **TWO** from the following:
 All are 3 credits unless otherwise noted.....6

NOTE: In addition to the courses listed, students may complete any 100-200 level political science, psychology or sociology course, or any 100-200 level HIST, with the exception of HIST 105, and HIST 106

CRJ 101—Introduction to Criminal Justice I

CRJ 102—Introduction to Criminal Justice II

JOUR 101—Critical Analysis of Mass Media

SW 220—Introduction to Social Work

D. Communication and English Composition—12 credits

ENG 102—Composition II3

Choose **THREE** from the following:

All are 3 credits unless otherwise noted.....9

IS 101—Introduction to Information Systems

IS 201—Computer Applications

CS 103 R—Technical Problem Solving Strategies

CS 105—Introduction to Computing

CS 135—Computer Science I

CS 202—Computer Science II

CPE 201 R—Introduction to Computer Engineering

ENG 101—Composition I

ENG 181—Vocabulary and Meaning (2 credits)

ENG 321—Expository Writing

Foreign languages through 212-level (2-4 credits each)

Any lower division COM courses.

E. Colleges other than the College of Liberal Arts and the following departments: Biology, Chemistry, Geography, Mathematic-Statistics and Physics—12 credits

Use of upper-division and PEX courses to fulfill this requirement must be approved by the general studies advisor.

Gerontology Minor & Certificate

Mackay Science Building, Room 105

(775) 784-1324

Adults over age 65 represent a growing segment of the U.S. population. This sizable cohort will increase to 75 million by 2030 as Baby Boomers enter their retirement years. The economy, healthcare system, social services, advertising and marketing sectors, recreation and leisure industries, and national and international job markets will feel the impact.

The Gerontology Academic Program prepares today's students to understand the complex processes of aging. Gerontology is vital to those choosing a career in health care, public administration, education, business, recreation, social work, nursing, nutrition, psychology, speech pathology, audiology, law and many other professions. Through the interdisciplinary study of gerontology, students gain a broad base of knowledge about aging in the United States and international cultures, an understanding of the health and psycho-social aspects of aging, and an awareness of services that constitute the aging network.

For application, advisement and additional information please call (775) 784-1324, email gero@unr.edu or stop by the Gerontology Academic Program office in the Mackay Science Building, room 105. We invite you to visit our website at <http://hhs.unr.edu/gerontology>.

Gerontology Minor—18 credits

To complete the gerontology minor, students must take 18 credits of required core courses beginning with GERO 201 and concluding with either HDFS 440, GERO/CHS 439 or SPA 421. The following courses fulfill the 100 hour service learning requirement: GERO 201, GERO/CHS 337, HDFS 431E, HDFS 400 (both courses), HDFS 440, GERO/CHS 439, and SPA 421.

Required Courses—18 credits

GERO 201—Topics and Careers in Aging.....3

GERO/CHS 337—Aging: An Interdisciplinary Approach

OR

HDFS 431E—Adult Development & Aging3

HDFS 400—Special Problems: Social Aspects of Aging **OR**

HDFS 400—Special Problems: Family Gerontology3

GERO/PSY 442—Psychology of Aging3

GERO/NURS 430—Aging & Health.....3

GERO/NURS 493/693—Biology of Aging3

HDFS 440—Perspectives on Aging **OR**

GERO/CHS 439—Cross Cultural Perspectives on

Aging & Health **OR**

SPA 421—Communication Problems of the Aged3

Gerontology Certificate Program—24 Credits

Students may select the gerontology certificate program to acquire a specialization in the field of aging that provides a foundation for professional development in many careers. The gerontology

certificate program offers an interdisciplinary curriculum, provides a broad base of knowledge as it is applied to the aging process, examines issues of concern to the older adult in today's society, and includes a practice component where students must apply theoretical knowledge in a community setting serving older adults.

Students are required to take 18 credits of core courses, including three credits of field experience that have been approved by the gerontology director. The remaining six credits are selected from the approved list of electives. Students are expected to enroll in the introductory course at the beginning of their program of study whereas field experience can only be taken after all other core courses have been completed. Students must meet with the gerontology director prior to enrolling in field experience. Upon completing the gerontology certificate program, students participate in a professional poster presentation that focuses on their field experience and receive special recognition at the annual Celebration of Aging.

Required Courses—18 credits

- GERO/CHS 337—Aging: An Interdisciplinary Approach
OR
HDFS 431E/631E—Advanced Studies in Human Development and Family: Adult Development & Aging3
HDFS 400/600—Special Problems: Social Aspects of Aging OR
HDFS 400/600—Special Problems: Family Gerontology ...3
GERO/PSY 442/642—Psychology of Aging3
GERO/NURS 430/630—Aging & Health3
HDFS 440/640—Perspectives on Aging OR
GERO/CHS 439/639—Cross Cultural Perspectives on Aging & Health OR
A comparable course approved by the advisor may also be accepted3
GERO 499—Gerontology Field Experience OR
PSY 447/647—Geropsychology Field Experience OR
Field Experience by gerontology faculty mentors in other academic departments3

Elective Courses—6 credits

- All courses are 3 credits unless otherwise noted.
CRJ 498—Selected Topics in Criminal Justice. Elders & the Criminal Justice System
ENG 425A—Study of Literary Themes (Old & Growing: Aging & Identity in America)
GERO 201—Topics & Careers in Aging
GERO 610—Geriatric Interdisciplinary Summer Internship
HDFS 437/ 637—Death & Dying: Family & Lifespan Perspectives
CHS 445/645—Human Values & Professional Ethics
CHS 695—Special Problems in Health Ecology: End of Life Issues
PSY 448/648—Geropsychology: Independent Study
SPA 421—Communication Problems of the Aged
SW 461—Social Services in Death, Dying and Bereavement
SW 463—Social Work in Health Care Settings: Underserved Populations

Approved electives offered at Truckee Meadows Community College:

- CPD 140—Respite & Family Care3
PSY/SOC 276—Aging in Modern American Society3

NOTE: Other courses may be accepted as electives if half of the content covered pertains to aging. Students are strongly encouraged to take a course that focuses on communication and/or counseling skills such as CHS 310—Health and Wellness Communication.

Health Care Ethics Minor—18 credits

Students who are interested in pursuing a minor in Health Care Ethics must complete a total of 18 credits; 6 of which are the required core courses. The additional 12 credits may be selected from any of the remaining electives. Students will be exposed to both theory and

practice of ethics in health care sciences including medicine, nursing, biology, public health, social work, human development, research and other health and human service professions.

For more information, please call the Health Care Ethics academic program at (775) 327-2309, stop by Mackay Science, Room 105, email at ethics@unr.edu or visit <http://unr.edu/hce>.

Required Courses—6 credits

- HCE 301—Foundations of Health Care Ethics3
CHS 345—Ethical Dimensions of Health Ecology OR
PHIL 245—Contemporary Moral Issues OR
PHIL 450—Ethical Theory3

Elective Courses—12 credits

- Choose from following list:
All are 3 credits unless otherwise noted.
CRJ 489—Star Trek, Law, and Ethics
HCE 451—Health Care in Diverse Societies
HCE 491—Independent Study in Health Care Ethics (1-3 credits)
HCE 494—Practicum in Health Care Ethics (2 credits)
HCE 495/695—Special Topics in Health Care Ethics
HDFS 437—Death and Dying: Family Lifespan Perspectives
CHS 445—Human Values and Professional Ethics
CHS 447—Health Ethics and the Humanities
CHS 495—Special Problems: End of Life Issues
JOUR 305—Media Ethics
NURS 497—Legal and Ethical Issues in Nursing
PHIL 244—Bioethics
PHIL 245—Contemporary Moral Issues
PHIL 450—Ethical Theory
SW 461—Social Services in Death, Dying and Bereavement

Historic Preservation Minor

501 Ansari Business Building

(775) 682-7631

The university offers a historic preservation minor through the College of Liberal Arts. Historic preservation is a rapidly expanding field devoted to the understanding, recording, preservation, restoration or adaptive reuse of significant objects, buildings, sites, neighborhoods, districts or engineering works that reflect a portion of the nation's historic and prehistoric cultural heritage. Particular emphasis is placed on the heritage of Nevada and the American West.

Students examine the principles of historic preservation, the structure and purposes of private, municipal, state and federal programs and agencies, as well as historic preservation laws. In the program, students participate in field research projects and internships with local, state and federal historic preservation agencies. Related courses from other departments and colleges are utilized in the program, depending upon the student's major program and specific interests in a field of historic preservation.

Students enrolled in the Land Use Planning Policy master's degree program may specialize in historic preservation. A program of study, usually 6 credit hours of related coursework, is required.

Required courses for undergraduate minor:

A museum studies course in one of five departments:

- ANTH 309 (crosslisted as ART 308, BIOL 308, GEOL 309, HIST 309, THTR 309)—Museum Studies3
HP 400—Principles of Historic Preservation3
HP 401—Laws and Policies3
HP 403—World Architecture3
HP 405—Historic Preservation Survey and Planning3
HP 480—Internship3
PSC 341—Elements of Public Administration3

Holocaust, Genocide & Peace

Studies Minor–19 credits

124 Mack Social Science

A 19 credit minor program in Holocaust, Genocide and Peace Studies (HGPS) is offered through the Gender, Race and Identity program housed within the College of Liberal Arts.

The minor program in HGPS is designed to connect ideas and experiences by focusing on social, historical, philosophical, political, cultural and ethical issues in a wide variety of disciplines. Students are challenged to think critically and to examine the assumptions concerning issues of Holocaust, genocide and peace. All courses will have a strong writing and communications component. Specifically, courses in this minor will increase students' understanding of the following:

- How prejudice, hatred, and dehumanization policies originate and manifest themselves
- How such patterns become rationalized within individuals and in society
- How major social confrontations, conflicts, mass destructions, and genocides develop
- How to explore ways to resolve conflict
- How to nurture peaceful social and political relationships and encourage ethical decision-making

Refer to the Holocaust, Genocide & Peace Studies Minor Program description in the College of Liberal Arts section of this catalog for more information.

Honors Program

101 Lincoln Hall

(775) 784-1455

Purpose and Mission

The Honors Program at the University of Nevada, Reno, seeks to provide students who are both academically talented and highly motivated with an undergraduate education that nurtures and promotes their capacities to think competently, understand deeply, and act ethically. The Honors Program is committed to providing strong support for the development of these qualities among a select group of students who have demonstrated exceptional promise. The Honors Program is University-wide and compatible with all academic majors. Successful participation in the Honors Program gives highly qualified students the ability to become skilled in their specific disciplines and the personal satisfaction of having met and accomplished the most innovative and challenging program the University offers.

Admission to the Honors Program

Admission to the Honors Program is selective and competitive, and by application only. Qualified students must submit an electronic application available at <http://www.honors.unr.edu>. The application contains the student's academic record, extracurricular activities, work experience, teacher recommendations, and an admissions essay. Prospective students are eligible to apply to the Honors Program if the student meets one of the following criteria: 3.65 GPA (unweighted), 28 ACT, 1200 combined verbal and quantitative SAT, top 10 percent of graduation class, or evidence of motivation and commitment to academic excellence. Achievement of one or more of these criteria does not guarantee admission. Continuing University of Nevada, Reno students and transfer students are eligible to apply to the Honors Program if the student has a cumulative GPA of 3.65 or higher. Once a complete application has been submitted to the Honors Program, the Honors Admissions Committee reviews each application carefully and makes a recommendation to accept an applicant for the next academic semester or to advise the applicant to reapply at another time. The deadlines for applications are February 1 and November 1 each year.

Honors Residential Scholars Community

Incoming, first-year students who have been accepted to the Honors Program are invited to reside on campus in an **Honors Residential Scholars Community**. These select students work closely with peers and faculty to increase the potential for success in the first two semesters of enrollment by participating in related coursework and scheduled programming designed to meet the needs of first

year students. Participation in the **Honors Residential Scholars Community** is determined by the applicant pool and is subject to all rules and regulations of Residential Life.

Program Requirements

Participation Requirements

Honors students pursue a regular course of study in their major and minor fields. Thirty credits of Honors-designated courses including a senior capstone Honors project or thesis are required to complete the program. These credits include Honors-designated classes in the Core Curriculum and in the student's major. Students may also exercise the opportunity to earn Honors Points in the completion of this requirement. Honors Points can be earned through a variety of methods including service learning, cultural enrichment, and voluntary program participation. The thirty credits in Honors course work are part of the normal degree program.

Grade Point Average

Honors students must maintain a satisfactory grade-point average to continue in the program. Each Honors student must maintain a cumulative grade point average of 3.25 or above. Students not making satisfactory progress toward a satisfactory cumulative grade point average are subject to the loss of Honors privileges and standing.

Advising

The Honors Program has advisors on staff to meet with Honors students and develop strategies for success in the program and beyond. Honors students are required to participate in one advising session per academic year, but are invited to seek advising at any point in the year. First-year students and Seniors are scheduled for advising in the fall semester. Students with Sophomore and Junior standing participate in advising in the spring semester. All students who receive advising in the Honors Program are eligible for *priority registration* in that semester.

Program Completion

Graduation in the Honors Program

In completing the program, graduating seniors enjoy a close relationship with their professors and other Honors students. To successfully complete the Honors Program, a student

- documents 30 credits of Honors coursework with grades of B- or better
- maintains a cumulative grade point average of 3.25 or above
- completes a senior capstone Honors project or thesis, and an oral defense
- meets with an Honors advisor regularly
- demonstrates significant contributions to Honors academic and social activities

Students completing the 30 Honors credits and a senior thesis or project with a GPA of at least 3.25, but less than 3.5, will have a "Completed Honors Program" designation assigned to the final degree posted transcript.

Graduation Distinctions and Latin Distinctions

The University of Nevada, Reno reserves its highest levels of distinction for graduates who successfully meet the requirements of the Honors Program. *Cum laude*, *magna cum laude*, or *summa cum laude* is awarded to a graduating bachelor's degree student who completes the Honors Program and all university, college and major requirements with the specific GPA (both in the major program and overall), based upon at least 96 credits in courses graded "A" through "F." At least 64 semester credits are earned in residence at the university. Each transfer student must satisfy the university requirements and have a combined transfer-university GPA that satisfies the minimum, specified total. These recognizable marks of distinction indicate the student's ability to complete rigorous coursework and exhibit superior scholarship. *Cum laude*, *magna cum laude*, and *summa cum laude* are recognized at graduation ceremonies when the student has fulfilled all the requirements in the most

recent prior semester. Latin distinction appears on a graduate's final transcript and diploma.

Graduation *cum laude* requires a cumulative grade-point average of 3.5 to 3.69 with a completed thesis; *magna cum laude*, a cumulative grade-point average of 3.7 to 3.89 with an "A" grade on the senior thesis or project earned in both semesters of the Senior Thesis courses; *summa cum laude*, a cumulative grade-point average of at least 3.9 with an "A" grade on the senior thesis or project earned in both semesters of the Senior Thesis courses.

Scholarships

University of Nevada, Reno offers a number of academic merit scholarships for which Honors students compete. Honors Undergraduate Research Awards are available to fund Honors Senior Theses through the Office of Undergraduate Research.

National Competitive Fellowships and Scholarships

Office of Undergraduate Fellowships

The Honors Program is also the home of the University of Nevada, Reno Office of Undergraduate Fellowships and Scholarships. In this capacity, the Office provides advice and assistance to University of Nevada, Reno undergraduates and alum interested in applying for undergraduate and grad-level fellowships and scholarships such as the Fulbright, Gates Cambridge, Goldwater, Madison, Marshall, Mitchell, Phi Kappa Phi, Rhodes, Truman, and Udall. Students do not need to be members of the Honors Program to receive assistance with their fellowship and scholarship applications. Interested students may visit the Honors Program website for preliminary information and follow up with the Director for specific information on beginning the application process.

Hydrologic Sciences M.S. & Ph.D.

267 Paul Laxault Mineral Research

(775) 784-6469

The Graduate Program of Hydrologic Sciences offers Masters and doctoral degrees in both Hydrogeology and Hydrology. The program provides training to scientists and engineers in the broad areas of ground water, watershed sciences, water quality and water treatment, restoration methodologies and water resource evaluation. The degrees are structured to provide a foundation in water resources and specialization in a student's chosen area or areas. Several areas of emphasis are available, including ground water modeling, subsurface contaminant transport and surface water hydraulics and geomorphology, hydroecology and surface water quality management. Students may also define their own areas of emphasis by developing a curriculum from a breadth of graduate courses offered across the campus. The Program is strongly interdisciplinary, with faculty support and participation from the College of Science, the College of Agriculture, Biotechnology and Natural Resources, the College of Engineering, the Desert Research Institute, the U.S. Geological Survey and the U.S. Forest Service. The curriculum and course offerings represent a blending of engineering and science based materials. Students pursuing a Master of Science degree may choose a thesis option (Plan A) or non-thesis option (Plan B) and should consult with their advisors and the Program Director for guidance on the best choice for their individual needs. Research and teaching assistantships, as well as several fellowships, are routinely made available to students accepted into the program at both the Masters and doctoral levels.

Students admitted to the Program should have a bachelor of science degree or equivalent in engineering, biology, chemistry, physics, geology, natural resources or ecology. Prospective graduate students should have GRE scores exceeding 500 each in verbal and quantitative, undergraduate GPA's above 3.0 and international students should have TOEFL scores exceeding 600. In addition, the Program requires undergraduate completion of 2 semesters each of physics and chemistry as well as mathematics through differential equations and probability/statistics. Students entering with mathematics through Calculus III can fulfill the mathematics requirements with MATH 767 during their first semester of graduate study. Any deficiencies are to be made up during the first year of graduate studies and students are encouraged to consult with their

advisors and the Program office for guidance on the appropriate courses for fulfilling deficiencies.

Application deadlines and additional information can be found at the Hydrologic Sciences web site (www.hydro.unr.edu) and students are encouraged to contact the Program office for more information on the availability of teaching and research assistantships.

Candidates for both the M.S. and Ph.D. degrees in either Hydrogeology or Hydrology must satisfy all general requirements of the Graduate School. The curriculum is designed to guarantee a common breadth of experience through a set of shared fundamental core courses, required of all Hydrologic Sciences students. A grade of B- or better is required for each of the shared fundamental core courses and these courses can only be retaken once. Students then concentrate through a series of electives that define the Hydrology and Hydrogeology degrees. The shared fundamental core courses are listed below:

Shared Fundamental Core Courses:

NRES/GEOL 614—Hydrologic Fluid Dynamics *
 GE 684—Groundwater Hydrology
 GEOL 616—Environmental Geochemistry
 NRES/GEOL 782—Hydrology/Hydrogeology Seminar

Students following the Hydrogeology degree (either M.S. or doctoral) are required to complete two of the following five courses:

GEOL 716—Low Temperature Aqueous Geochemistry
 GEOL 783—Groundwater Hydraulics
 GEOL 785—Introduction to Groundwater Modeling
 GEOL/NRES 784—Vadose Zone Hydrology
 GEOL 786—Contaminant Transport in Groundwater Flow Systems

Students following the Hydrology degree (either MS or doctoral) are required to complete the following:

NRES 682—Small Watershed Hydrology
 And ONE of the following six courses:
 CEE 618—Principles of Water Quality Modeling
 GEOL 780—Isotope Hydrology
 GEOL 701S—Hydrologic Parameter Estimation & Uncertainty Analysis
 GEOL 702J—Advanced Geology (Fluvial Geomorphology)
 GEOL 781—Advanced Surface Water Hydrology
 ATMS 792—Hydrometeorology

Students having previously completed the courses above or their equivalents may request exemptions for the required coursework. Masters of Science degrees in Hydrogeology require a minimum of 30 course credits beyond the bachelors degree (32 credits non-thesis.) Masters of science degrees in Hydrology require a minimum of 31 credits beyond the Bachelors degree (32 credits non-thesis.) The doctoral degrees in either Hydrology or Hydrogeology require 72 credits beyond the Bachelors degree, successful completion of a qualifying examination after the first year of study and 1 credit of Comprehensive Examination. The Comprehensive Examination credit may count toward the required 30 credits of 700-level coursework. Note that the Hydrologic Sciences Graduate Program does not generally accept students with only Bachelors degrees directly into the doctoral degree programs; rather, these students are first accepted into the Master's Program and may be considered for the doctoral degree after one year of study. Students interested in proceeding directly to the doctoral degree should contact the Program Director for further guidance.

Residents of Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, New Mexico, North and South Dakota, Oregon, Utah, Washington or Wyoming, who qualify under the Western Interstate Commission for Higher Education (WICHE), may be awarded an out-of-state tuition fee waiver. In addition, all students supported on research or teaching assistantships receive tuition waivers. Prospective students are encouraged to contact the program office at www.hydro.unr.edu for more information about assistantships and fellowship deadlines.

Applications for admission to the program are processed twice per

year; for fall semester admission, applications and letters of reference must be received by January 10. For spring semester admission, applications and letters of reference must be received by September 10. Applications are to be submitted to the Graduate School, while letters of recommendation and a letter of intent, stating interests and expectations, should be sent directly to the Graduate Program Office (Mail Stop 175). Electronic applications and detailed application instructions are available at:

<http://www.hydro.unr.edu>

International Affairs Major & Minors

236 Mack Social Science

(775) 784-4601

The International Affairs Program administers an interdisciplinary major in international affairs, minors in Asian studies and Latin American studies (see separate listings), a Model United Nations Program, the Adriano Lucatelli scholarship program and an internship program. It also serves as advisor to the International Affairs student organization.

The major in international affairs comprises an "expanded field of concentration" involving 36 credits plus corequisites. Students who select this major may, under appropriate circumstances, use up to three courses from this major to simultaneously fulfill minor or second major requirements. Both capstones may be taken within the major if taught in different departments. The diversity of options within the major and stress placed upon study abroad experiences means that advisement should be sought prior to enrollment each semester.

Entering students should plan to take Economics 102 and 103, International Affairs 100, and foreign language courses during their first year. In some cases, introductory courses at the 200-level may be recommended in the second semester. International students should consider the 100-level survey courses in European and American history or politics as ways of improving their performance in the Core Humanities sequence and in other courses in the major which assume some familiarity with history, society and government in Europe and North America.

The courses comprising the international affairs major provide extensive training in analysis, synthesis, writing and speaking in a public setting. They may lead toward a broad range of careers, depending upon interests, specializations within the major, and tools acquired such as language fluency. In many cases, an additional professional degree will be required to enter attractive careers. Optional internships may provide the experiential basis for choosing or rejecting careers.

The major in international affairs consists of a 21-credit required component and a 15-credit specialized option. The latter may include a senior thesis supervised by an appropriate faculty member, with topic and supervisor approved by the program director. Area study options require an appropriate language.

Required Courses—21 credits

International Affairs.....3

IAFF 100—Global Studies

International Relations.....3

PSC 211—Comparative Government and Politics

PSC 231—World Politics

PSC 336—International Community

International Economic Institutions.....3

ECON 305—Comparative Economic Systems

ECON 359—Economic Development

ECON 442—History of Economic Ideas

ECON 460—Economic Integration and Common Markets

ECON 462—International Trade

ECON 463—International Monetary Relations

FIN 308—International Financial Management

PSC 405P—Global Political Economy

Culture, Geography and Ideas.....6

Contact your advisor for a list of approved courses

Research Tools.....3

ECON 261 R—Principles of Statistics I

GEOG 325—Research Methods

GEOG 416—Spatial Analysis

IS 101—Introduction to Information Systems

PSC 320—Policy Analysis

PSY 210—Statistical Methods

SOC 210—Introduction to Statistical Methods

Another statistics course with advisor approval

Upper-Division Diplomacy.....3

HIST 407A—United States Foreign Relations I

HIST 407B—United States Foreign Relations II

IAFF 300 R—Model United Nations

PSC 336—International Community

PSC 403D—Global Environmental Policy

PSC 405A—International Law

PSC 405D—American Foreign Policy

PSC 405E—Foreign Policies of the Major Powers

PSC 405F—Problems of World Politics

PSC 405G—International Conflict

PSC 405H—International Human Rights

PSC 407P—The Middle East in World Affairs

Specialized Component Options—15 credits

Students must take all 15 credits in one of the following areas. Internship and thesis may also count toward the Specialized Component.

Area Studies I: Asia

Area Studies II: Europe

Area Studies III: Latin America

Area Studies IV: North America

Diplomacy, Law and Organization

International Environmental Studies

International Political Economy

Each semester as a part of the advisement process, the international affairs program publishes a student guide which lists and categorizes courses (including new and topical courses) that may be used as part of the major. This guide should be obtained at the same time that advisement is scheduled on its website. Students should consult this guide before scheduling individual advisement appointments.

RECOMMENDED SCHEDULE

First Year—Fall Semester

ENG*.....3

MATH*.....3-5

Foreign Language 111.....4

Core Fine Arts.....3

IAFF 100.....3

TOTAL.....16-18

NOTE: English and Math course placement is based on test scores. Please consult the Core Curriculum section of the general course catalog. Refer to the Core Curriculum chapter of this catalog for information regarding the "Core English and Math Completion Policy".

First Year—Spring Semester

ENG 102*.....3

Core Natural Science A.....3-5

Foreign Language 112.....4

ECON 102.....3

IA Group 2 Major Course (PSC 211, or 231).....3

TOTAL.....16-18

Second Year—Fall Semester

CH 201.....3

Core Natural Science.....3

Foreign Language 211.....3

College Breadth Requirement (100-200 level).....3

ECON 103.....3

TOTAL.....15

Second Year—Spring Semester

CH 202.....	3
Foreign Language 212.....	3
Minor (100-200 level).....	3
College Breadth Requirement.....	3
Core Diversity Course (100-200 level).....	3
TOTAL.....	15
Third Year—Fall Semester	
CH 203.....	3
IA Group 4 Major Course.....	3
IA Group 4 Major Course (300-400 level).....	3
IA Group 6 Major Course.....	3
IA Group 7 Major Course.....	3
Minor.....	3
TOTAL.....	18
Third Year—Spring Semester	
IA Group 5 Major Course.....	3
IA Group 7 Major Course (300-400 level).....	3
IA Group 7 Major Course (300-400 level).....	3
Minor (300-400 level).....	3
IA Group 3 Major Course (ECON 305, 359, or 460).....	3
TOTAL.....	15
Fourth Year—Fall Semester	
IA Group 7 Major Course (300-400 level).....	3
IA Group 7 Major Course (300-400 level).....	3
Capstone Course.....	3
Minor (300-400 level).....	3
Minor.....	3
Elective.....	3
TOTAL.....	18
Fourth Year—Spring Semester	
Capstone Course.....	3
Minor (300-400 level).....	3
Elective.....	9
TOTAL.....	15

Italian Studies Minor

234A Edmund J. Cain Hall

(775) 682-8879

The College of Liberal Arts offers an undergraduate minor in Italian studies under the direction of the Department of Foreign Languages and Literatures. Twenty credits are required, of which 14-17 credits must be taken through the Foreign Languages and Literatures Department and 3-6 credits of related electives (at the 300-400 level). Course work in the related electives from other departments must deal specifically with Italian topics. In addition, a "B" average must be maintained in Italian core courses.

Core Courses

ITAL 212—Second Year Italian II.....	3
ITAL 221—Italy and Its Culture OR	
ITAL 223—Italian Literature in English Translation.....	3
ITAL 305—Italian Composition I.....	3
ITAL 309—Italian Conversation.....	2
ITAL 462—Dante's Divine Comedy AND/OR	3
ITAL 464—Petrarch; Boccaccio.....	3

Related Electives

Choose AT LEAST ONE course from the following:.....	3-9
All are 3 credits unless otherwise noted.	
ART 464 R—High Renaissance and Mannerist Art	
ART 468 R—History of Baroque Art II	
HIST 384—The Italian Renaissance	
HIST 385 R—Witches, Wars, and Wisdom in the Early Modern Era	
ITAL 306—Italian Composition II	
ITAL 494—Italian Cinema	
PSC 407A—Government and Politics in Western Europe	

Japanese Studies Minor

246 Edmund J. Cain Hall

(775) 682-8886

The College of Liberal Arts offers an undergraduate minor in Japanese studies under the direction of the Department of Foreign Languages and Literatures. Twenty credits are required, 14 of which must be core courses taken through the department. Six credits of related electives (at the 300-400 level) may be selected from the list below. In addition, a "B" average must be maintained in Japanese language courses.

Core Courses

JPN 212—Second-Year Japanese II.....	3
JPN 221—Japan and Its Culture.....	3
JPN 305—Japanese Conversation and Composition I.....	3
JPN 306—Japanese Conversation and Composition II.....	3
JPN 309—Japanese Conversation.....	2

Related Electives

Choose TWO courses from the following list:.....	6
HIST 211—History of East Asia I	
HIST 212—History of East Asia II	
PSC 407B—Government and Politics in East Asia	

Judicial Studies, M.J.S & Ph.D.

Mail Stop 311

(775) 784-6270

Master of Judicial Studies

The Master of Judicial Studies is a specialized degree program for judges. The MJS degree is conferred solely by the university and is organized jointly by Extended Studies, the National Judicial College, and the National Council of Juvenile and Family Court Judges. The degree program is one of only two such programs in the nation.

Degree requirements:

- Declare a specialization in either Trial Judges Major or the Juvenile/Family Court Major;
- Spend a minimum of 14 weeks in residency on the University of Nevada, Reno campus;
- Finish course and thesis requirements in six years.

Course requirements:

- Take 10 required and elective courses as specified for each major

Thesis requirements:

- Establish a thesis committee and write an approved thesis prospectus;
- Write and publish an approved scholarly article, or
- Write and defend a thesis.

For a more detailed description of degree requirements, please see the on-line handbook, <http://www.judicialstudies.unr.edu>

Doctor of Philosophy, Judicial Studies

The only doctoral degree program in the nation for judges, the Judicial Studies doctorate of philosophy is conferred by the university for work of distinction, and is organized jointly by Extended Studies, the National Judicial College, and the National Council of Juvenile and Family Court Judges.

Justice Management, M.J.M.

Mail Stop 311

(775) 784-6270

Master of Justice Management

The Master of Justice Management is a special degree program offering a broad selection of courses including foundation courses in justice theory and process, essentials of justice management, and courses specific to areas of concentration such as Juvenile Justice Management, Adult Justice Management, and Executive Court

and Agency Administration. The MJM degree is conferred solely by the university and is organized jointly by the School of Social Research and Justice Studies, the National Judicial College and the National Council of Family Court Judges. It is also supported by other organizations. The degree program is the only one of its kind in the nation.

Degree requirements:

Complete a minimum of 32 credits in course work, including professional project (non-thesis option) within six years.

Course requirements:

- Complete 18 required credits in foundation courses and courses representing essentials of justice management.
- Complete 14 elective credits in such areas as juvenile justice management, adult justice management, or executive court and agency administration, in any combination.

Thesis option:

A student choosing the thesis option must complete 6 credits for an approved thesis in addition to 24 credits for a total of 30 credits.

For a more detailed description of the program and degree requirements, please contact the program office noted above.

Latin American Studies Minor

236 Mack Social Science

(775) 784-4601

An undergraduate minor in Latin American Studies is offered through the College of Liberal Arts and coordinated by the International Affairs Program. It includes study of Spanish beyond the minimum college requirement and integrates regional courses taught through six cooperating departments and programs. It also takes advantage of established University Studies Abroad Consortium programs in Chile, Costa Rica and Mexico. To complete the minor field of concentration in Latin American Studies, students must earn 20 credits* consisting of:

IAFF 100.....	3
SPAN 305, 306, 309 R, 410 R, 411, 412, 415, 422.....	5-8
HIST 227, 228, 320; SPAN 222.....	6-9
Advanced Area Studies Options:	6-9
ANTH 440D, 401A	
GEOG 476	
HIST 344 R, 345 R, 347, 439, 442, 498	
IAFF 350 (internships)	
PSC 407E	
SPAN 350, 355, 356, 442, 484, 485, 486, 488	

*Spanish majors or minors may substitute additional Advanced Area Studies Options for language credits.

Medieval and Renaissance Studies Minor

234A Edmund J. Cain Hall

(775) 784-6055

Medieval and Renaissance studies is an appropriate minor for students majoring in the following disciplines: anthropology, art, criminal justice, English, foreign languages and literatures, history, mathematics, music, philosophy, political science, psychology, sociology, and speech communication and theatre. The purpose of the interdisciplinary program is to enable students to understand and explore the culture of the Middle Ages and Renaissance so they may better understand the roots of Western civilization.

Students wishing to minor in Medieval and Renaissance studies must complete a total of 18 credits, which must include courses from at least two departments. Twelve of these credits must be earned in courses numbered 300 or above.

The acceptable courses for the minor are listed below in two groups, *Group A* (courses with a predominantly Medieval and/or Renaissance content) and *Group B* (courses of an auxiliary nature). At least 12 credits must be chosen from Group A. All courses are three credits each.

Group A—Choose at least 12 credits

ART 462 R—History of Medieval Art

ART 464 R—High Renaissance and Mannerist Art
 ART 465—History of Northern Renaissance Art
 ART 493—Individual Studies in Art History
 ENG 271—Introduction to Shakespeare
 ENG 412B—Applied Linguistics
 ENG 414A—History of the English Language
 ENG 415D—Introduction to Old Norse
 ENG 432A—Chaucer
 ENG 433B—Shakespeare: Comedies and Romances
 ENG 435A—Milton
 ENG 431A—Beowulf
 ENG 440A—Medieval English Literature
 ENG 441A—The Renaissance
 ENG 482A—Literature of the Middle Ages
 ENG 464B—Drama Before Shakespeare
 ENG 465A—Elizabethan and Jacobean Drama
 FLL 458—History of the Romance Languages
 FREN 463—Medieval French Literature
 FREN 465—The Sixteenth Century in French Literature
 GER 458—Introduction to the History of the German Language
 HIST 373—Medieval Civilization
 HIST 384—The Italian Renaissance
 HIST 393—England and the British Empire I
 HIST 454—Topics in Medieval History
 ITAL 462—Dante's Divine Comedy
 ITAL 464—Petrarch, Boccaccio
 MUS 341—Music History I
 PHIL 212—Introduction to Medieval Philosophy
 SPAN 462—Medieval and Early Renaissance Spanish Literature

Group B

ART 260 R-261—Survey of Art History I, II
 ENG 235—Survey of English Literature I
 ENG 484A—The Bible as Literature
 FREN 221—France and Its Culture
 FREN 341—Introduction to the History of French Literature
 GER 221—German-Speaking Europe and its Culture
 GER 459—History of German Literature
 HIST 105—European Civilization
 HIST 281 R—Magic, Marvels, and Nature in the Pre-Modern World
 HIST 371-372—Ancient Civilization I, II
 HIST 385 R—Witches, Wars, and Wisdom in the Early Modern Era
 HIST 395 R—Russian History to 1900
 ITAL 221—Italy and Its Culture
 ITAL 223—Italian Literature in English Translation
 PHIL 211—Introduction to Ancient Philosophy
 PHIL 410—Plato
 PHIL 411—Aristotle
 SPAN 221—Iberia and Its Cultures
 SPAN 464—Spanish Golden Age Prose
 SPAN 466—Spanish Golden Age Poetry
 SPAN 469—Spanish Golden Age Drama
 THTR 481—History of the Theatre I

In addition, several of the departments have courses relating to individual authors, artists, themes, etc., as well as independent studies courses. Such courses, where appropriate, may be used to fulfill the requirements of the minor.

Students who minor in Medieval and Renaissance studies may include a maximum of six credits from courses in their major department. Such credits must be in addition to those used to fulfill the requirements of the major. Courses should be chosen with the approval of the advisor of the Medieval and Renaissance Studies.

Museum Studies Minor

Ansari Building, Room 507
(775) 682-7688

The interdisciplinary program in Museum Studies offers students an opportunity to explore the expanding field of museum work and museum research. The Museum Studies minor is designed to provide an introduction to the field, exposure to some of the skills and techniques required of a career museologist and an initial apprenticeship experience in a museum setting.

Today there are roughly 7,000 public museums in the United States, employing career museologists as well as professional curators, exhibit technicians, educators and others. Students contemplating a career in the museum field, or in a discipline such as anthropology, art, biology, geology, history, historic preservation, textiles and clothing, or in federal or state agency service, will find the minor particularly useful.

Students must complete six credits in required courses as well as 12 credits in elective courses. Students must consult their advisor and the chairman of the museum studies committee for a specific program plan (see below).

A student minoring in Museum Studies may include a maximum of six credits from courses in the major department. Such credits must be in addition to those used to fulfill the requirements for the major. Nine of the total credits in the minor must be upper-division.

Required Coursework:

ANTH 309 (crosslisted as ART 308, BIOL 308, GEOL 308,
HIST 309, THTR 309)—Museum Studies3

Choose **ONE** course from the following:3

ANTH 453—Museum Training for Anthropologists

HIST 310—Museum Training for Historians

ART 491 R—Studio Internship

Additional Electives..... 12

All are 3 credits each unless otherwise noted

ANTH 345—American Indian Art

ANTH 400A—Indians of North America

ANTH 436 R—History of Anthropology

ANTH 439—Seminar in Cultural Anthropology

ANTH 440A—Archaeology of North America

ANTH 449C—Laboratory Methods in
Archaeology (2 credits)

ANTH 452 R—Collections Research in
Anthropology (2 credits)

ART 100—Visual Foundations

ART 141—Introduction to Digital Photography I

ART 260 R—Survey of Art History I

ART 261—Survey of Art History II

ART 365—Contemporary Art

ART 462 R—History of Medieval Art

ART 464 R—High Renaissance and Mannerist Art

ART 465—History of Northern Renaissance Art

ART 467—History of Baroque Art I

ART 468 R—History of Baroque Art II

ART 471—18th Century Decorative Arts

ART 472—19th Century Art

ART 473—20th Century Art

ART 475 R—History of Photography

ART 493—Individual Studies in Art History

BIOL 430—Field Ornithology (1 credit)

BIOL 431—Ichthyology (2 credits)

BIOL 433—Ornithology

BIOL 434 R—Mammalogy (4 credits)

BIOL 437—Entomology

GEOL 101—General Geology

GEOL 102—Historical Geology

GEOL 211 R—Earth Materials and Geochemistry I

GEOL 212 R—Earth Materials and Geochemistry II

GEOL 461—Paleobiology (4 credits)

HIST 281 R—Magic, Marvels, and Nature in the

Pre-Modern World

HIST 315—Trans-Mississippi West

HIST 371—Ancient Civilization I

HIST 372—Ancient Civilization II

HIST 384—The Italian Renaissance

HIST 410A—American Cultural and Intellectual
History I

HIST 410B—American Cultural and Intellectual
History II

HIST 454—Topics in Medieval History

HP 405—Historic Preservation Survey and Planning

INTD 151—Foundations for Design (4 credits)

INTD 353—History of Interiors

Suggested Emphases:

HISTORY EMPHASIS

ANTH 436 R—History of Anthropology

HIST 281 R—Magic, Marvels, and Nature in the
Pre-Modern World

HIST 309—Museum Studies

HIST 310—Museum Training for Historians

HIST 315—Trans-Mississippi West

HIST 371—Ancient Civilization I

HIST 372—Ancient Civilization II

HIST 384—The Italian Renaissance

HIST 410A—American Cultural and Intellectual
History I

HIST 410B—American Cultural and Intellectual
History II

HIST 454—Topic in Medieval Culture

SCIENCE EMPHASIS

BIOL 310—Museum Training for Biologists

ANTH 345—American Indian Art

ANTH 400A—Indians of North America

ANTH 436 R—History of Anthropology

ANTH 439—Seminar in Cultural
Anthropology (1 to 3 credits)

ANTH 440A—Archaeology of North America

ANTH 440D—Archaeology of Ancient New World
Civilizations

ANTH 449C—Laboratory Methods in
Archaeology (2 credits)

ANTH 452 R—Collections Research in
Anthropology (2 credits)

BIOL 430—Field Ornithology (1 credit)

BIOL 431—Ichthyology (1 credit)

BIOL 433—Ornithology

BIOL 434 R—Mammalogy (4 credits)

BIOL 437—Entomology

GEOL 461—Paleobiology

HIST 281 R—Magic, Marvels, and Nature in the
Pre-Modern World

ART EXHIBITS EMPHASIS

ANTH 345—American Indian Art

ART 100—Visual Foundations

ART 135 R—Photography I

ART 245—Digital Media I

ART 260 R—Survey of Art History I

ART 261—Survey of Art History II

ART 308—Museum Studies

ART 309 S—Gallery Practices

ART 350S—Advanced Digital Media

ART 397—Advanced Field Study (1-3 credits)

ART 493—Individual Studies in Art History

Students minoring in Museum Studies may use only 6 credits in

their major field toward constituting the Museum Studies minor.

Nanotechnology Minor

Program Office: LMR 474

(775) 784-6771

<http://www.unr.edu/nano>

The interdisciplinary program in nanotechnology is open to all students, although it is geared towards students in engineering and science fields who seek specialization in the science and technology of processes, systems, and phenomena that occur at the nanometer size scale. The significant disciplinary overlap of these topics and issues makes it important for students studying these specialized areas to gain an interdisciplinary perspective, which can be used to complement their knowledge and skills in their major field of study.

The objective of the interdisciplinary nanotechnology minor is to provide students with skills and experiences that will help them better apply the knowledge gained in their majors to specialized problems in science and engineering, whose roots are found at the nanometer scale. Nanotechnology serves as an intellectual nexus between many fields of science and engineering, and therefore makes an ideal common ground for interdisciplinary work. To work effectively in these specialized areas, students will develop interdisciplinary perspectives by satisfying the required distribution of courses for this minor.

Students are required to design a plan of study for this minor (i.e., their selection of courses satisfying the above requirements) and submit the plan for approval by an advisor from their major program, and the nanotechnology minor program. This plan of study is designed to help ensure that students receive appropriate advising, and therefore must be approved at least two semesters prior to graduation.

The coursework requirements for the nanotechnology minor are as follows:

1. A minimum of 18 credits of coursework from the below list must be completed. Substitutions for courses on this list (example: a similar *Special Topics* course) must be approved by the chair of the Nanotechnology minor program.
2. Of the 18 credits, a minimum of 9 credits must be in upper-division courses, and approved by the chair of the Nanotechnology minor program.
3. A minimum of 6 credits must be taken from outside the student's major course offerings. Example: for a physics student, a minimum of 6 credits must be in courses other than PHYS courses.
4. A maximum of 6 credits may be included from the student's major explicitly named (required) course list. This maximum does not apply to electives, as they are not explicitly named.
5. Elective courses (not explicitly named on the major's course list) may be used to simultaneously satisfy the major and minor requirements.
6. A minimum of one course must be taken from the following grouping on *Properties & Characterization*: MSE 415, MSE 416, MSE 433, PHYS 423, PHYS 461.
7. A minimum of one course must be taken from the following grouping on *Synthesis, Processing, & Fabrication*: CHE 406, CHE 415, CHE 440, EE 423, MSE 430, and MSE 440.

Eligible Courses for Nanotechnology Minor:

BME 401 - Introduction to Biomedical Engineering
 CHE 373 - Transport Phenomena I
 CHE 374 - Transport Phenomena II
 CHE 406 - Introduction to Polymer Science and Engineering
 CHE 415 - Introduction to Particle Technology
 CHE 416 - Introduction to Molecular Simulation
 CHE 440 - Chemical Reactor Design

CHEM 341 - Organic Chemistry for Scientists and Professionals I

CHEM 342 - Organic Chemistry for Scientists and Professionals II

CHEM 421 - Physical Chemistry I

CHEM 422 - Physical Chemistry II

EE 423 - Integrated Circuit Engineering

MSE 175 - Nano and Micro Technology: On the Frontiers of Science

MSE 250 - Elements of Material Science**

MSE 415 - Materials Characterization

MSE 416 - X-Ray Diffraction

MSE 430 - Phase Transformations and Kinetics

MSE 433 - Electronic, Magnetic and Optical Properties of Materials

MSE 440 - Nanomaterials Synthesis

PHYS 182 - Physics for Scientists and Engineers III

PHYS 182L - Physics for Scientists and Engineers Laboratory III

PHYS 421 - Quantum Mechanics

PHYS 422 - Applications of Quantum Mechanics

PHYS 423 - Advanced Physics Laboratory

PHYS 425 - Thermal and Statistical Physics

PHYS 426 - Physics of Solids

PHYS 427 - Plasma Physics

PHYS 461 - Modern Optics and Photonics

**MSE 250 is a prerequisite for most of the other MSE courses.

Bachelor of Science Neuroscience Major

Biology - 147 Fleischmann Agriculture

(775) 784-6188

Psychology - 438 Mack Social Science

(775) 784-6828

The Interdisciplinary program in Neuroscience offers training leading to a Bachelor of Science in Neuroscience. The major is designed to provide students with a strong background in both systems and physiological approaches to understanding the brain, and to prepare students for professions and advanced studies in a wide range of fields including behavioral and biological science and health sciences. The program is administered jointly through the Departments of Biology and Psychology and draws on courses offered through both departments for the curriculum. Because of curricular overlaps, students cannot pursue a dual degree in Neuroscience and Biology or in Neuroscience and Psychology nor can they have a minor in Biology or Psychology.

Credits

I. UNIVERSITY CORE CURRICULUM

REQUIREMENTS 39-44

A. English—3-8 credits

Refer to the "English" section of the Core Curriculum chapter in this catalog.....3-8

NOTE: Students who place in ENG 102 are not required to complete ENG 101

B. Mathematics—4 credits

MATH 181—Calculus I (4 credits)

C. Natural Sciences—8 credits

CHEM 121—General Chemistry I* (4 credits)

CHEM 122—General Chemistry II* (4 credits)

NOTE: * CHEM 201 and CHEM 202 are acceptable.

D. Social Sciences—3 credits

Refer to the "Social Sciences" section of the Core Curriculum chapter in the General Catalog.

E. Fine Arts—3 credits

Refer to the "Fine Arts" section of the Core Curriculum chapter in the General Catalog.

F. Core Humanities—9 credits

CH 201—Ancient and Medieval Cultures (3 credits)
CH 202—The Modern World (3 credits)
CH 203—American Experiences and Constitutional Change (3 credits)

G. Capstone Courses—6 credits

Refer to the "Capstone" section of the Core Curriculum chapter in the General Catalog.

H. Diversity Requirement—3 credits

Refer to the "Diversity" section of the Core Curriculum chapter in the General Catalog.

II. ADDITIONAL REQUIREMENTS.....0

III. MAJOR REQUIREMENTS.....58-62

Biology Foundation Courses—19 credits

All courses are three credits unless otherwise noted.
BIOL 190—Introduction to Cell and Molecular Biology
BIOL 191—Introduction to Organismal Biology
BIOL 192—Principles of Biological Investigation (2 credits)
BIOL 300—Principles of Genetics
BIOL 315R—Cell Biology
BIOL 395—Laboratory in Genetics and Cell Biology (2 credits)
BIOL 475—Neurobiology

Psychology Foundation Courses—10 credits

All courses are three credits unless otherwise noted.
PSY 101—General Psychology
PSY 103—Introduction to Psychology as a Natural Science
PSY 301—Experimental Psychology (4 credits)
PSY 403—Physiological Psychology

Statistics—3-4 credits

PSY 210—Statistical Methods (3 credits) OR
STAT 152—Introduction to Statistics (3 credits) OR
APST 270—Introduction to Statistical Methods (4 credits) OR
STAT 352—Probability and Statistics (3 credits)

Physics—8 credits

PHYS 151R—General Physics I and Laboratory (4 credits)
PHYS 152R—General Physics II and Laboratory (4 credits)
OR
PHYS 180—Physics for Scientist and Engineers I (3 credits)
PHYS 180L—Physics for Scientist and Engineers Laboratory I (1 credit) AND
PHYS 181—Physics for Scientists and Engineers II (3 credits)
PHYS 181L—Physics for Scientists and Engineers Laboratory II (1 credit)

Direct Learning / Independent Study—3-6 credits

BIOL 298—Independent Study (1-3 credits) OR
BIOL 491—Independent Study (1-3 credits) OR
BIOL 492—Research (3 credits) OR
PSY 275—Undergraduate Research (1-3 credits) OR
PSY 375—Advanced Undergraduate Research (1-3 credits)

Electives within the Major - 15 credits

Choose 5 courses from the following two clusters:

Biology Cluster - 6-9 credits

At least 2 of the 5 courses must come from this cluster: All courses are three credits unless otherwise noted.
BIOL 223—Humana Anatomy and Physiology I (4 credits)
BIOL 316—Comparative Animal Physiology
BIOL 405—Molecular Biology*
BIOL 406—Molecular Biology Laboratory*
BIOL 415—Evolution (4 credits)
BIOL 466—Developmental Biology
BIOL 481—Principles in Animal Behavior**

NOTE: *for students who have completed:

CHEM 220A or CHEM 242 or CHEM 342
BCH 400

**cross-listed with PSY 481

Psychology Cluster—6-9 credits

At least 2 of the 5 courses must come from this cluster: All courses are three credits unless otherwise noted.

PSY 404—Human Psychophysiology Lab
PSY 405—Perception
PSY 413—Animal Intelligence
PSY 416—Cognitive Psychology
PSY 419—Conditioning and Learning
PSY 427—Computer Applications in Social and Behavioral Science
PSY 432—Human Memory
PHIL 435—Philosophy of the Mind
PSY 446—Human Neuropsychology
PSY 481—Principles in Animal Behavior**
**cross-listed with BIOL 481

IV. MINOR REQUIREMENTS.....0

V. ELECTIVES22-31

At least six credits must come from courses offered outside of the Biology and Psychology Departments and cannot include courses taken to satisfy the Core Curriculum requirements.

General Electives for Premedical Students should include the following:

CHEM 241 & CHEM 242—Organic Chemistry I & II (6 credits) OR
CHEM 341 & CHEM 342 & CHEM 345—Organic Chemistry for Scientists and Professionals I & II & Lab (8 credits)

VI. TOTAL CREDITS.....128

NOTE: A candidate for a Bachelor's degree must earn a minimum of 42 credits numbered 300 or above.

VII. RECOMMENDED SCHEDULE

First Year – Fall Semester

ENG 101—Composition I*3
CHEM 121—General Chemistry I OR
CHEM 201—General Chemistry for Scientists and Engineers I4
MATH 128—Precalculus and Trigonometry*5
Core Fine Arts3
Core Social Science3
TOTAL 18

*NOTE: English and Math course placement is based on test scores. Please consult the Core Curriculum section of the general course catalog.

First Year – Spring Semester

ENG 102—Composition II*3
CHEM 122—General Chemistry II OR
CHEM 202—General Chemistry for Scientists and Engineers II4
MATH 181—Calculus I4
BIOL 190—Introduction to Cell and Molecular Biology3
PSY 103—Introduction to Psychology as a Natural Science 3
TOTAL 17

Second Year – Fall Semester

CH 201—Ancient and Medieval Cultures3
PHYS 151R—General Physics I and Laboratory OR
PHYS 180 & 180L—Physics for Scientists and Engineers I and Laboratory4
BIOL 191—Introduction to Organismal Biology3
BIOL 192—Principles of Biological Investigation2
General Elective OR

CHEM 241—Organic Chemistry I* OR	
CHEM 341—Organic Chemistry for Scientists and Professionals I*	3
TOTAL	15
* NOTE: For Premed Majors.	
Second Year – Spring Semester	
CH 202—The Modern World	3
PHYS 152R—General Physics II and Laboratory OR	
PHYS 181 & 181L—Physics for Scientists and Engineers II & Laboratory	4
PSY 210—Statistical Methods	3
Core Diversity	3
General Elective OR	
CHEM 242—Organic Chemistry II* OR	
CHEM 342—Organic Chemistry for Science and Professionals II* (pre-med)	3
TOTAL	16
* NOTE: For Premed Majors.	
Third Year – Fall Semester	
BIOL 300—Principles of Genetics	3
CHEM 345—Organic Chemistry Laboratory (Pre-Med)	2
PSY 301—Experimental Psychology	4
PSY 403—Physiological Psychology	3
General Elective	6
TOTAL	18
Third Year – Spring Semester	
BIOL 315R—Cell Biology	3
BIOL 395—Laboratory in Genetics and Cell Biology	2
CH 203—American Experiences and Constitutional Change	3
General Elective	3
Major Elective	6
TOTAL	17
Fourth Year – Fall Semester	
BIOL 475—Neurobiology	3
General Elective	3
Major Elective	3
General Capstone	3
Direct Learning / Independent Study	3
TOTAL	15
Fourth Year – Spring Semester	
General Elective	6
Major Elective	6
General Capstone	3
TOTAL	15

Religious Studies Minor

124 Mack Social Science
(775) 784-1560

<http://www.unr.edu/religious-studies/>

The Religious Studies program is offered through the Gender, Race and Identity Program housed within the College of Liberal Arts. It allows students to investigate aspects of religious experience without regard to sectarian sentiment or affiliation.

Refer to the Gender, Race and Identity Program description in the College of Liberal Arts section of this catalog for more information.

Renewable Energy Minor

Program Office: SEM 132

(775) 784-6925

The interdisciplinary minor program in renewable energy is open to all students. This minor has two tracks. Students may elect either track but for most students majoring in engineering, track one will be most suitable as it will further enhance their degree to include a specialization in alternative energy. For most students majoring in areas other than engineering, track two will be most suitable.

Regardless of the track chosen, the program is designed to ensure that students are exposed to the technical, economic, and social issues relevant to renewable energy.

Track I is designed for students in engineering who seek additional specialization in the interdisciplinary studies of alternative energy sources, improved generation technologies, energy policy and the economics of various energy sources. Students in chemical engineering, electrical engineering, materials science and mechanical engineering will find that this minor compliments their major discipline and provides them with the background needed to address many issues associated with renewable energy. Students in environmental engineering, computer science, computer information engineering, chemistry, and physics may also find this track useful. Students in engineering and computer science must consult with their advisor to ensure that the maximum number of credits will count toward their degree.

Track II is designed primarily for students in disciplines other than engineering. These students will receive training in the basic technical aspects of renewable energy as well as learning about energy policy and the economics of various energy sources. Students in any major may pursue this track. This track may be particularly appropriate for students interested in science, environmental studies, political science and business. It may also be appropriate for those who are technically oriented with a focus on geothermal energy.

The objective of the interdisciplinary renewable energy minor is to provide students with technical skills, economic and political background, and analysis and design skills that will help them to better apply the knowledge gained in their major to the important national issues of alternative and renewable energy. Students will be exposed to a broad range of technical and social/political disciplines necessary to understand the sources of renewable energy, technical and economic decisions involved in using alternative energy sources and the policy and regulator issues that influence adoption of alternative energy resources.

The coursework requirements for the renewable energy minor are as follows:

All students must take a minimum of **18 credits** of coursework from the lists below. Substitutions for courses on this list must be approved by the Associate Dean of the College in which the student is obtaining the minor (for example: a course in solar energy offered by TMCC may be an appropriate substitute for some students in some majors).

All students must take:

ENGR/PSC 110—Introduction to Renewable Energy.....3

Track I & II students must take a minimum of 6 additional credits outside their area of specialization from the following courses. Track II student's take 9 additional credits at the upper-division level from any of the following courses in this list and the list below. (Engineering and Computer Science students must consult with their advisor before selection of credits from this list.)

Lower Division:

All courses are 3 credits unless otherwise noted.

EE 240—Fundamentals and Economics of Renewable and Nonrenewable Energy

GEOL 101—General Geology

GEOL 206—Geology of Geothermal Energy Resources (TMCC course)

RECO 100—Society and the Economic Value of Nature

RECO 240—Environmental Economics

PSC 210—American Public Policy

Upper Division:

All courses are 3 credits unless otherwise noted.

CHE 301—Introduction to Sustainable Energy Resources

ENGR 308—Impact of Global Economy

RECO 340—Natural Resource Economics

PHYS 400—Energy: Principles, Sources, and Problems

PSC 403B—Energy Politics and Policy

PSC 403C—Environmental Policy

PSC 403D—Global Environmental Policy

PSC 403G—Land and Water Resource Policy

Track I students take a minimum of 9 upper-division credits in either the student's major area or from an elective area with approval of their advisor using the following list. Track II may choose upper division courses from this list as indicated above.

All courses are 3 credits unless otherwise noted:

- CHE 361—Chemical Engineering Thermodynamics (4 credits)
- CHE 410 R—Renewable Energy Systems
- CHE 475—Principles of Bioengineering
- EE 340—Power System Fundamentals
- EE 440—Power Systems Analysis
- EE 441—Electrical Machines
- EE 442—Power Electronics
- EE 443—Electric Power Distribution
- EE 444—Power System Protection
- ME 312 & 312L—Engineering Thermodynamics II & Lab (4 credits)
- ME 473—Refrigeration
- ME 474—Active Solar Engineering
- ME 476—Internal Combustion Engines
- ME 493—Special Topics
- CEE 390 R—Fundamentals of Environmental Engineering Design
- CEE 411—Environmental Law
- CEE 413—Water Resources Engineering
- CEE 453—Environmental Microbiology
- CEE 459 R—Hazardous and Solid Waste Management and Control
- MSE 361—Thermodynamics of Materials
- MSE 433—Electronic, Magnetic and Optical Properties of Materials

Reserve Officers Training Corps (ROTC)

102 William J. Raggio Building

(775) 784-6751

The university's Reserve Officers Training Corps (ROTC) provides men and women with an opportunity to earn a commission in the United States Army while completing bachelor's and master's degree requirements. For complete program information, refer to "Military Science" in the College of Liberal Arts section of this catalog or call the above number.

Social Psychology Ph.D.

344 Mack Social Science

(775) 784-1878

The interdisciplinary Ph.D. program integrates psychological and sociological scholarship in the study of the processes, structures, and contexts that relate to personal and social experiences. The program emphasizes training in theoretical foundations, as well as qualitative and quantitative methodologies in basic or applied research. Several areas of emphasis are available, including psychology and law, personal and social relationships, social psychology and health, and organizational behavior. Attention to contextual issues (such as those related to gender, culture and development) are integrated. The social psychology program has faculty support and participation from departments in the College of Liberal Arts, the Division of Health Sciences, the School of Journalism, and the College of Business Administration. Social psychology faculty members also represent the Center for Justice Studies, Nevada Cooperative Extension, and the Sanford Center for Aging.

Students interested in this program must have a minimum of 18 credits in either sociology or psychology. Students must meet all the requirements for admission to graduate school and their general requirements for obtaining a doctoral degree at the university. GRE scores are required. Application deadlines and additional information can be found on the Social Psychology program website at: www.unr.edu/cla/socpsy.

For additional information, contact the Director of the Interdisciplinary Ph.D. Program in Social Psychology—Mail Stop

300, University of Nevada, Reno, Reno, NV, 89557 or call (775) 784-1878 or fax (775) 784-1358.

University Studies Abroad Consortium

Virginia Street Gym, #5

Mailstop 0323, Reno, NV 89557-0323

(775) 784-6569; 1-866-404-USAC (8722)

usac@unr.edu; <http://usac.unr.edu>

Australia, Chile, China, Costa Rica, Czech Republic, Denmark, England, France, Germany, Ghana, India, Ireland, Italy, Japan, Korea, Malta, Mexico, Netherlands, New Zealand, Norway, Scotland, Spain, Sweden and Thailand

The University of Nevada, Reno is the lead institution of the University Studies Abroad Consortium (USAC) whose central office is located right on campus. Nevada and 32 other U.S. universities offer programs in 25 countries at 40 locations. Nevada credits, field trips, small classes and fully integrated living opportunities are key components of the programs.

Australia: Full Curriculum Studies

Courses are offered in many fields such as art, Australian studies, Asian studies, biology, business, chemistry, computing, criminology, dance, drama, engineering, environmental science, geology, journalism, philosophy, psychology, public relations, nutrition, social work, sports management, water sciences and women's studies. Scheduled during the spring (February-June) and fall (July-November) semesters, the programs are held at Deakin University with campuses in Melbourne, Geelong and Warrnambool as well as Griffith University with campuses in Gold Coast and Brisbane.

Chile: Spanish, Andean Anthropological and Latin American Studies

This program is ideal for students who wish to experience the charm and physical beauty of Chile. Students will study the Spanish language and the complexities of Chilean and contemporary Latin American societies through a wide selection of academic courses as well as through personal interaction with the host culture. Field studies are available to discover the unique culture of the north and south. This program is offered in the city of Santiago for the summer, semester and year.

China: Chinese International Relations and International Business Studies

These programs are located in Chengdu and Shanghai. They offer language study—up to one and a half years of university language requirements may be met in one semester. International Business courses are available only in Shanghai. For those wanting to explore additional areas, courses in art history, economics, education, anthropology, political science, literature, history and calligraphy, are taught in English and offer a multidisciplinary approach to understanding the complexities of China and Asia. This program is offered for the summer, semester and year.

Costa Rica: Spanish, Ecological, Life Sciences & Latin American Studies

This program is designed for the student committed to learning both the Spanish language and/or ecology and life sciences while studying the diverse cultures of Latin America and the complexities of its societies through formal coursework as well as through personal interaction with the host culture. Language, ecology, life sciences, biology, political science, art, history and sociology courses are offered for the summer, semester and year in Heredia, San Ramon and Puntarenas. Courses are designed for science and non-science majors and include Honors eligible coursework. Field studies complement most courses.

Czech Republic: Politics, Culture and Art Studies

This program, based in the medieval city of Prague, offers courses in art, literature, architecture, music, film, political science, business,

history and social sciences all taught in English and focusing on the Czech Republic and Europe. Students may also study the Czech language. This program is offered for the summer, semester and year.

Denmark: International Business and Economic Studies

The Copenhagen Business School offers an international business and economics curriculum as well as an opportunity for cultural enrichment and making personal international business contacts. There are undergraduate programs offering courses within all major subjects of business as well as graduate programs offering advanced courses in intercultural communication, international economics, finance, and marketing and management. This program is offered for the summer, semester and year.

England: Full Curriculum, Literature and Arts Studies

Undergraduate level courses are offered in varied disciplines during the fall and spring semesters at the University of Reading, the University of Brighton, the University of Bristol and the London Metropolitan University. A summer session is also available at the Imperial College London.

France: French and European Studies

Intensive French language instruction at the elementary, intermediate and advanced levels are offered so you can earn up to 1 1/2 years in just one semester. Courses in literature, geography, film, sociology, culture, history and political science are also available. The programs are offered at the University of Pau near the Pyrénées in southwestern France. This program is offered for the summer, semester and year.

Germany: German, European and Engineering Studies

Lüneburg is a vibrant university town in a beautiful medieval setting just 30 minutes from Hamburg. The program offers intensive German language, art, culture, engineering, literature, communications, political science, history and economics. This program is offered for the summer, semester and year.

Ghana: Full Curriculum and African Studies

Rich in African culture and historical sites, you can explore Ghanaian arts, dance and music through courses and local festivals. Courses at the undergraduate and graduate level are offered in a variety of fields such as agriculture, arts, dance, law, science, social studies and religion. The program is held at the University of Ghana in Accra for the summer, semester and year.

India: Full Curriculum Studies, Business, Sociology, Service Learning and Indian Cultural Studies

The birthplace of Buddhism and yoga, India is also home to some of the world's greatest palaces, temples, and monuments including the Taj Mahal. Bangalore, "The Garden City" is the hub of India's tech and business outsourcing revolution and allows you to take a variety of courses during the summer, semester and year. Service learning for projects such as rural exposure programs and overnight camps in local villages to educate disadvantaged children, a medical program for pregnant women, advocacy & awareness programs and child rearing self-help group for women is offered. Also, projects to help local villages address agricultural needs such as harvesting rain water and building dams; street plays in local slums to introduce topics such as child labor, global warming and female infanticide.

Ireland: Full Curriculum and Irish Studies

One of the oldest universities in Ireland, University College Cork is host to the semester and year program. Just a few of the choices open to students are archaeology, Celtic civilization, English, folklore, Irish studies, music, applied psychology, applied social sciences, biological sciences, earth sciences, chemistry, physics, commerce, food science and technology and law. A summer program is held at the National University of Ireland, Galway during which time you can enjoy one of Ireland's most prestigious festivals, the Galway Arts Festival.

Italy: International Business, Art/Architecture, History, Music, Environment and Italian Studies

The program offers a high-quality educational experience in three diverse academic areas—international business, art & architecture, history, environmental and Italian studies. Students may choose courses from any area and all students are required to take at least one course in Italian language. The summer, semester and year programs are offered in the northwestern city of Torino, home of the 2006 Winter Olympics and Viterbo, thirty minutes outside of Rome.

Japan: Full Curriculum, Japanese and East Asian Studies

Living in Hiroshima, Osaka, or Nagasaki, students have the opportunity to study several levels of Japanese language from beginning to advanced, as well as a broad range of other courses taught in English in the departments of: science and information technology; biotechnology; business law and economics; and culture, education and society. This program is available for the semester and year.

Korea: Korean and East Asian Studies

Located at Yonsei University in Seoul, students are introduced to business, politics, economics, philosophy, religion and Korean. This program is available for the summer, semester and year.

Malta: Full Curriculum Studies

At the University of Malta, students may enroll in courses in several diverse disciplines. Students may take courses in the faculties of: arabic studies, arts, economics, management & accountancy, political science, sociology, psychology, and theology. These courses are taught in English. Semester and year programs are available.

Mexico: Spanish, Sociology/Health and Latin American Studies

The Puebla program introduces you to the rich historical, cultural and archeological values of Mexico. You can pursue Spanish language courses where you can earn up to two years of foreign language credit in one semester or you can combine language studies with sociology/health courses. A variety of other courses are also available in culture, dance, political science, sociology and cuisine. Internships in local hospitals can be arranged. Living with locals is a unique way to experience Mexico and complete your experience. This program is offered for the summer, semester and year.

Netherlands: Full Curriculum Studies

Hosted by The Hague University you will get the full Dutch student experience including social events to meet local students. Course areas include business, communication, law, politics, culture, and Dutch language. This program is offered for the semester and year.

New Zealand: Full Curriculum Studies

Undergraduate and graduate courses in the disciplines of anthropology, Asian studies, biology, computer science, drama, education, history, international business, labor studies, Maori and Pacific development, New Zealand studies, political science, religious studies, screen and media studies, social, physical and health education, and women's and gender studies are offered. Scheduled during the spring (February-June) and fall (July-November) semesters, the programs are held at Massey University with campuses in Palmerston North, Auckland and Wellington.

Norway: Full Curriculum Studies

The Norway program offers students the opportunity to enroll at the University of Oslo in a wide range of courses taught in English. Students can take courses in such areas as Scandinavian studies, economics, natural science, mathematics, social science, media and technology, and literature. A Norwegian for beginners course is also available. This program is offered for the semester and year.

Scotland: Full Curriculum Studies

These programs are located at the University of St Andrews and the University of Stirling. They offer students the opportunity

to enroll in a wide range of courses in a variety of disciplines. Courses in diverse subjects such as international relations, Scottish history, modern languages, management, chemistry, astrophysics, economics, environmental sciences, geosciences, practical theology, and medieval history are offered. This program is offered for the semester and year.

Spain: Spanish, Basque, European, Art History and International Business Studies

Four incredible locations are available to students who wish to study in Spain—Alicante, Bilbao, Madrid and San Sebastián. Undergraduate and graduate courses in Spanish and/or Basque language (all levels), international business, anthropology, history, political science, literature, economics, folkdance, art history, tourism and cuisine are available for the summer, semester and year.

Sweden: Full Curriculum Studies

Located at Linnaeus University in Växjö/Kalmar, students can take courses in such areas as education, engineering, health services and social work, humanities, management and economics, mathematics and systems engineering, science and social science, as well as Swedish for beginners course. This program is offered for the semester and year.

Thailand: Full Curriculum Studies, Economics, Tourism and Political Studies

Located at Rangsit University in Bangkok, students are introduced to the politics, economics, philosophy, religion and language of Thailand as well as to those of other Southeast Asian countries.

You may take courses from three academic areas of international business, philosophy, politics and economics, and tourism and hotel management for the summer, semester and year.

Western Interstate Commission for Higher Education (WICHE)

Applied Research Facility, Room 314

University of Nevada, Reno

(775) 784-4900

The State of Nevada contributes over \$1 million *each year* in support funds to Nevadans under the WICHE program. Currently, Nevada provides loans/grants through multiple financial aid programs to scholars in the fields of dentistry, mental health, nursing, optometry, pharmacy, physical therapy, physician assistant, and veterinary medicine. In return for financial assistance, students must work in Nevada upon completion of their education for a designated number of years.

The recipient selection process is competitive and based upon ranking by the institution and/or personal interview. The primary requirement is that the applicant must be a Nevada resident for at least one year prior to the date of application.

To receive consideration for funds, applications must be received by October 15th of the year preceding the student's planned enrollment in professional school for *out-of-state* schools, or October 15th of the current entering year for *in-state* schools. Applicants who miss the deadline are placed on alternate status.

In addition, Nevada students can participate in a tuition reduction program at the undergraduate level. Under WICHE's Western Undergraduate Exchange Program (WUE), Nevada residents can attend participating colleges and universities in 13 western states. The tuition cost for Nevada residents is just 50 percent more than the tuition fees charged in-state residents. There are limitations and restrictions. Call the WICHE office for program details.

Women's Studies BA and Minor

124 Mack Social Science

(775) 784-1560

Women's Studies is an interdisciplinary program in the College of Liberal Arts providing students with an understanding of the intersections of race, class and gender as these influence personal identities and as they shape experiences in family, politics, work, the economy and other institutions. Analysis of structural factors is combined with an understanding of the constructions of identities, including sexuality, ethnicity and race. Such an analysis allows us to uncover the powerful, yet nuanced ways in which our experiences are shaped by, and often constrained by, dominant social definitions and cultural images. Women's Studies integrates perspectives from and incorporates courses from a wide range of disciplines, encouraging students to explore diversity and difference in a creative and academically integrated approach to learning.

A major and a minor in Women's Studies are offered.

Refer to the Women's Studies Program description in the College of Liberal Arts section of this catalog for more information.