TO: MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

The items listed below, approved by the University Curriculum Committee, will be considered to have the necessary faculty approvals unless a petition requesting further consideration of specific items is signed by five faculty members and submitted to the chair of the Faculty Senate within 14 calendar days after the date of circulation. If no petition is received within 14 days, the entire report will be submitted to the president for approval and transmittal to the regents, if regents’ action is required. If a petition is received, the items in the report for which further consideration is requested will be referred to the Faculty Senate and the remainder of the report will move forward. On items referred to it, the council may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action. Note: If a petition concerns courses or curricula in the College of Letters, Arts and Social Sciences or in the College of Agricultural and Life Sciences, and is signed by five faculty members of the respective college, those items will be returned to the college concerned for further consideration.

All Items below are considered effective Summer 2016 unless otherwise noted with the approved item.

AGRcULTURAL AND EXTENSION EDUCATION

1. Add the following course:

   AgEd 407 Global Agricultural & Life Sciences Systems (3 cr, max 9)
   This course will introduce students to the history, culture, economy and agricultural systems of a selected foreign country emphasized through a planned short-term international field experience. Through study and travel to the select country, students will be exposed to the history of the country, important cultural sites, production agriculture field operations, agricultural business enterprises, and international agricultural markets. Students will participate in educational and pre-trip informational sessions along with post-trip debriefing, class discussions, completing reports and developing presentations for other CALS classes and clubs about their experience.

2. Make the following changes to the Agricultural Education Major (B.S.Ag.Ed.):

   Required course work includes the university requirements (see regulation J-3) and the following: This major is approved by the State Board of Professional-Technical Education for the preparation of high school agriculture instructors. Graduates who have completed at least 28 credits in agricultural education, and who meet the state certification requirements for a Standard Secondary Teaching Certificate, are eligible to teach secondary agricultural science and technology in Idaho. Students must be admitted to the Teacher Education Program, which requires a grade-point average of at least 2.75, before being allowed to enroll in upper-division teacher education courses and participate in student teaching. The Idaho teaching certificate transfers to most states in the US. In addition, government and business agencies and the Cooperative Extension System that seek persons with education in both agriculture and education provide employment opportunities for graduates of this curriculum.

   AgEd 180 Introduction to Agricultural Education (1 cr)
   AgEd 258 Experiential Learning and SAE Programs (1 cr)
   AgEd 351 Principles and Philosophy of Professional-Technical Education (3 cr)
   AgEd 358 Supervising FFA and SAE Programs (3 cr)
   AgEd 451 Communicating in Agriculture (3 cr)
   AgEd 452 Methods of Teaching Agriculture (4 cr)
   AgEd 453 Program Planning in Secondary and Adult Ag Education (3 cr)
   AgEd 454 Facilities Organization and Management (2 cr)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AgEd 460</td>
<td>Practicum: Secondary School Teaching in Agriculture</td>
<td>10 cr</td>
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<tr>
<td>AgEd 461</td>
<td>Student Teaching Portfolio</td>
<td>2 cr</td>
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<tr>
<td>AgEd 470</td>
<td>Proseminar in Agricultural Education</td>
<td>1 cr</td>
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<tr>
<td>AgEd 471</td>
<td>Senior Capstone in Agricultural Education</td>
<td>1 cr</td>
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<tr>
<td>ASM 107</td>
<td>Beginning Welding</td>
<td>2 cr</td>
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<tr>
<td>ASM 202</td>
<td>Agricultural Shop Practices</td>
<td>2 cr</td>
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<tr>
<td>ASM 210</td>
<td>Small Engines</td>
<td>2 cr</td>
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<tr>
<td>ASM 407</td>
<td>Advanced Welding</td>
<td>1 cr</td>
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<tr>
<td>Biol 115</td>
<td>Cells and the Evolution of Life</td>
<td>4 cr</td>
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<tr>
<td>Comm 101</td>
<td>Fundamentals of Public Speaking</td>
<td>2 cr</td>
</tr>
<tr>
<td>Econ 202</td>
<td>Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>EDCI 201</td>
<td>Contexts of Education</td>
<td>2 cr</td>
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<tr>
<td>EDCI 301</td>
<td>Learning, Development, and Assessment</td>
<td>3 cr</td>
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<td>EDCI 453</td>
<td>Phonics, Phonological Awareness, Fluency, and Assessment</td>
<td>1 cr</td>
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<tr>
<td>EDCI 463</td>
<td>Literacy Methods for Content Learning</td>
<td>3 cr</td>
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<tr>
<td>EDSP 300</td>
<td>Educating for Exceptionalities</td>
<td>2 cr</td>
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<tr>
<td>Psyc 101</td>
<td>Introduction Psychology</td>
<td>3 cr</td>
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</table>

Ag electives, which include a minimum of 6 cr in Ag Econ, 6 cr in Animal Sci, 6 cr in Plant Sci, 3 cr in Horticulture, and 4 cr in Soils (25 cr)

One of the following (4 cr):
Chem 101   Introduction to Chemistry I (4 cr)
Chem 111   Principles of Chemistry I (4 cr)

One of the following (3 cr):
Engl 313   Business Writing (3 cr)
Engl 317   Technical Writing (3 cr)

One course from the following (3-4 cr):
Math 137   Algebra with Applications (3 cr)
Math 143   Pre-calculus Algebra & Analytical Geometry (3 cr)
Math 160   Survey of Calculus (4 cr)
Math 170   Analytical Geometry & Calculus I (4 cr)

One of the following (4 cr):
Phys 100, Phys 100L Fundamentals of Physics and Lab (4 cr)
Phys 111, Phys 111L General Physics I and Lab (4 cr)

Courses to total 128 credits for this degree

**AGRICULTURAL SCIENCE AND TECHNOLOGY**

1. Change the following subject prefix:
   - **AG** – Agricultural Science and Technology to **AGLS** – Agricultural and Life Sciences

**ART AND ARCHITECTURE**

1. Make the following changes to the Architecture Major (B.S.Arch.):

   The four-year curriculum leading to a B.S.Arch. degree provides the undergraduate, pre-professional coursework that qualifies students to pursue a NAAB accredited, M. Arch degree. While the B.S.Arch. is not an accredited professional architectural degree, qualified students who earn this degree at the University of Idaho have the opportunity to proceed directly to the accredited M.Arch program.
Admission to the B.S. Arch program is competitive. After the first year of study, academic achievement is reviewed to determine eligibility for continued study in architecture. Only students with a 2.5 or higher grade-point average are eligible to continue in the architecture design studio sequence. Another review is conducted at the end of the second year of study. Applicants to the third year are required to submit a portfolio containing examples of graphic work in art and architecture. A portfolio of no more than 10 pages, should be submitted in an 8-1/2" x 11" format. The submission should also contain a transcript of any college work outside the UI. The deadline for third year applications is mid-May. Results of the evaluation are made known to applicants by the first week of July.

Students accepted into the years three and four of the curriculum are required to maintain a minimum 3.0 GPA and to receive a grade of "C" or higher in architectural design courses. Students who do not meet these criteria are ineligible for acceptance to the M.Arch. degree program and the College of Graduate Studies. Provisional admittance to the M. Arch. program can be granted, with permission, for students with GPAs of 2.8 cumulatively, or 3.0 over the last 60 credit hours. See below for M.Arch. degree requirements.

College permission is required for admittance into Architecture design courses (ARCH 253, Arch 254, Arch 353, Arch 354, Arch 453, and Arch 454) and students must achieve a minimum grade of C in the previous studio course to enroll in the next sequential studio course.

Note: Students who have not been accepted into the third year curriculum may not enroll in architectural design courses. Students who have left the program may only re-enter the curriculum by application to the Architecture Program admissions committee.

Required course work includes the university requirements (see regulation J-3) and:
Arch 151 Introduction to the Built Environment (3 cr)
Arch 154 Introduction to Architectural Graphics (3 cr)
Arch 243 Media in Architecture (3 cr)
Arch 253 Architectural Design I (3 cr)
Arch 254 Architectural Design II (4 cr)
Arch 266 Materials and Methods (3 cr)
Arch 353 Architectural Design III (6 cr)
Arch 354 Architectural Design IV (6 cr)
Arch 361 Structures Structural Systems I (3 cr)
Arch 362 Structures Structural Systems II (3 cr)
Arch 385 Global History of Architecture I (3 cr)
Arch 386 Global History of Architecture II (3 cr)
Arch 388 Architectural Theory (3 cr)
Arch 454 Architectural Design: Vertical Studio VI (6 cr) (must be taken twice for credit)
Arch 461 Building Assemblies (3 cr)
Arch 463 Environmental Control Systems I (3 cr)
Arch 463L Environmental Control Systems I Lab (1 cr)
Arch 464 Environmental Control Systems II (3 cr)
Arch 464L Environmental Control Systems II Lab (1 cr)
Arch 483 Urban Theory and Issues (3 cr)
Art 110 Integrated Art and Design Communication (2 cr)
Art 112 Drawing as Integrated Design Thinking (2 cr)
Art 121 Integrated Design Process (2 cr)
LArch 251 Introduction to Principles of Site Design (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
Phys 111, General Physics I and Lab (4 cr)
Phys 111L

One of the following (3-4 cr):
Math 160  Survey of Calculus (4 cr)
Phil 202  Intro to Symbolic Logic (3 cr)
Stat 251  Statistical Methods (3 cr)
CS 112  Computational Thinking and Problem Solving (3 cr)

Courses to total 426124 credits for this degree (including at least 3 cr of 200-level or above courses taken outside the disciplines of architecture; landscape architecture; art and design; interior design; and virtual technology and design; and 3 cr of 200-level or above courses taken within the disciplines; and at least 3 credits of 200-level or above courses taken in any discipline. [Credits earned in completion of an academic minor may be substituted].

2. Make the following changes to the Master of Integrated Architecture and Design (M.S.I.A.D.):

Master of Science. Major in Integrated Architecture and Design. The Master of Science offers a research program open to candidates who hold a non-professional degree in any design discipline and/or a professional degree in architecture (B.S.Arch., or M.Arch.), B.S.Arch., or landscape architecture or other degree holders who desire to embark on a career in architectural consulting, research, and/or scholarship. The program is designed for independent study within one or more of the following areas of specialization: Visualization, Simulation, Environment and Behavior, Urban Design, Community Design and Planning, Universal Design, Landscape Design, Media Design, and Sustainable Architecture and Planning. Graduate students work closely with their major professor and graduate committee to develop a detailed program of study that borrows from three disciplines within the College of Art and Architecture as well as studies with other programs throughout the university. Acceptance into the program is contingent on the MSIAD Graduate Program Committee's review of the candidate’s statement of intent describing the area of specialization in which the candidate will focus, three letters of recommendation, and a portfolio. The Graduate School requires a completed application, university transcripts, a resume, and an official TOEFL score, when appropriate. Prospective students are encouraged to first correspond with the Chair of the MSIAD Graduate Program Committee about their interests. The chair will then direct the applicant to further sources if needed. The M.S. degree with a major in Integrated Architecture and Design requires the completion of 30 credits of course work in either a thesis or non-thesis (project-based) option.

Thesis option:
Arch 500  Master's Research and Thesis (8-10 cr), LArc 500 Graduate Thesis
Arch 520  Architectural Research Methods (3 cr), or equivalent as approved by major professor.

Graduate Seminars in three disciplines (students must have at least 1 seminar in the CAA and at least one seminar from outside the college) (12 cr)

Electives (5-7 cr)

Non-thesis option:
Graduate design research project (12 cr) as approved by major professor

Graduate Seminars in three disciplines (students must have at least 1 seminar in the CAA and at least one seminar from outside the college) (12 cr)

Electives (6 cr)

BIoINFORMATICS AND COMPUTATIONAL BIOLOGY

1. Make the following changes to the Master of Bioinformatics and Computational Biology (M.S.):

Background  As determined on admission
Core courses  9 credits
Depth courses 9 credits: 6 in one area and 3 in the other area
Seminar 2 credits
Lab rotation None
Supplemental As determined by thesis committee
Thesis 9 credits, minimum
Other As determined by thesis committee
Total (min) 3230 Credits

BIOLOGICAL SCIENCES

1. Add the following course:

**Biol 115L Cells and the Evolution of Life Laboratory (1 cr)**
Laboratory for introductory biology; experiments are designed to teach problem solving, scientific methods and the aspects of biology related to the cell.
**Coreq or Prereq:** Biol 115

2. Change the following course:

**Biol 115 Cells and the Evolution of Life (43 cr)**
The cell, heredity and evolutionary processes. Three lec and one 3-hr lab a wk.
**Coreq:** Chem 101 or 111

ENGLISH

1. Add the following courses:

**Engl 408 Language Acquisition and Development (3 cr)**
This course explores issues in both first and second language acquisition focusing on language structure, use and development by monolingual and bilingual children.
**Prereq:** Engl 214

**Engl J407/J507 Phonetics and Phonology (3 cr)**
This course explores issues in both first and second language acquisition focusing on language structure, use and development by monolingual and bilingual children. Graduate work will be assessed in accordance with graduate-level standards
**Prereq for 407:** Engl 241

**Engl 419 Writing for the Web (3 cr)**
Written and multimodal composition in various digital media, potentially including but not limited to blogs, microblogs, and websites.
**Prereq:** At least one of the following courses: Engl 202, 207, 208, 309, 313, 316, 317, 318, or 440. Courses in JAMM or COMM may also be accepted as pre- or co-reqs with instructor approval.

2. Joint-list and change the following course

**Engl 507 Phonetics and Phonology (3 cr)**
**Prereq for 507:** Engl 512
3. Change the following course

**Engl 442 Introduction to English Morphology and Syntax**
Structure and processes of English morphology and syntax; syntax as component of style. *(Alt/yr)*

**Prereq or Coreq:** Engl 102 and Engl 241; or Permission

4. Make the following changes to the **Professional Writing Emphasis**:

**C. Professional Writing Emphasis**

The Professional Writing Emphasis is an individualized program for students wishing to stress preparation for careers in technical writing, editing, publishing, law, government service, and business.

**Foundations (6 cr)**
Engl 215 Introduction to English Studies (3 cr)
Engl 202 Introduction to Professional Writing (3 cr)

**Professional Writing (15 cr)**

Choose one course from the following:
Engl 207 Persuasive Writing (3 cr)
Engl 208 Personal and Exploratory Writing (3 cr)
Engl 293 Beginning Nonfiction Writing (3 cr)

Choose four courses from the following:
Engl 309 Rhetorical Style (3 cr)
Engl 313 Business Writing (3 cr)
Engl 316 Environmental Writing (3 cr)
Engl 317 Technical Writing (3 cr)
Engl 318 Science Writing (3 cr)
Engl 393 Intermediate Nonfiction Writing (3 cr)
Engl 419 Writing for the Web (3 cr)

**Linguistics (3 cr)**
Engl 241 Introduction to the Study of Language (3 cr)

**Literary History (6 cr)**

Choose two courses from the following:
Engl 257 Literature of Western Civilization (3 cr)
Engl 258 Literature of Western Civilization (3 cr)
Engl 341 Survey of British Literature (3 cr)
Engl 342 Survey of British Literature (3 cr)
Engl 343 Survey of American Literature (3 cr)
Engl 344 Survey of American Literature (3 cr)

**Cultural Diversity (3 cr)**

Choose one course from the following:
AIST 320 The Celluloid Indian: American Indians in Popular Film (3 cr)
Engl 380 Introduction to U.S. Ethnic Literatures (3 cr)
Engl 481 Women's Literature (3 cr)
Engl 483 African American Literature (3 cr)
Engl 484 American Indian Literature (3 cr)
Engl 485 Global Literatures in English (3 cr)
Or an adviser-approved special topics or extra-departmental course (3 cr)

Electives (9 cr)

Choose three courses from the following:

- Art 216  Digital Tools (3 cr)
- Comm 335 Intercultural Communication (3 cr)
- Hist 382 History of Biology: Conflicts and Controversies (3 cr)
- JAMM 325 Publications Editing (3 cr)
- JAMM 350 Public Relations Writing and Production (3 cr)
- PolS 364 Politics of the Environment (3 cr)
- Psyc 320 Introduction to Social Psychology (3 cr)

Any English course numbered 200 or above that has not been taken to satisfy one of the above requirements.

Note that Engl 208 and Engl 293 cannot both count towards fulfillment of the requirements in the Professional Writing Emphasis.

Capstone (3 cr)

- Engl 440 Client-Based Writing (3 cr)

Courses to total 120 credits for this degree.

5. Make the following changes to the Creative Writing Major (M.F.A.):

The M.F.A. is the terminal degree for those wishing to teach creative writing at the college or university level; it is also among the credentials expected of those seeking employment in arts administration, editing, and related fields. The curriculum provides theoretical and practical training in fiction, poetry, creative nonfiction, and editing and publishing.

The program's principle aim is to teach aspiring writers their craft and at the highest possible level. We gladly speak to students about publishing their work, or about teaching or editing, but our first concern is teaching and learning the craft of writing. While we encourage applicants to apply only in one genre, once they are admitted, we encourage them to "cross-pollinate": we like to see poets working at narrative pacing in a fiction or nonfiction class, and we like to see the prose writers attentive to individual syllables in poetry. We encourage students to experiment and to push themselves in new directions. We also insist that they know where they fit in the continuum of writers, and that they understand and can speak with conviction of where they might place themselves in any of several literary traditions.

Of the minimum 54 credits required for the degree, at least 15 are to be taken in graduate-level literature (which may include ENGL 506); 15 in graduate-level creative writing courses; 32 in workshops taught by Distinguished Visiting Writers; 1 credit in Internship: FUGUE, (ENGL 598); 3 in a Techniques course (ENGL 581, 582, or 583); 9 elective credits; and 9 in thesis. A minimum of four semesters in residence is required.

The thesis will take the form of a collection of poetry, short stories, creative nonfiction, or novel, and will be prefaced by an introduction. Upon completion of the thesis in acceptable form, each student will take an oral examination designed to test the student's ability to discuss articulately his or her creative process, intellectual and creative influences, chosen genre, aesthetic perspective, design, and intent.

Students who enter the program with advanced work in creative writing at the undergraduate level will ordinarily take only 500-level courses in English. Those who have not completed an advanced
undergraduate course in one of the three major genres (fiction, poetry, creative nonfiction) will in addition to the above ordinarily take advanced undergraduate courses, as advised by the director of creative writing.

ENVIRONMENTAL SCIENCE

1. Change the following courses

   **EnvS 400 (s) Seminar (cr arr)**
   **Prereq:** Senior, Junior standing

   **EnvS J483/J583 Water and Energy Systems (3 cr)**
   Envs 483 same as Geog 453. The class covers the basic science of water and energy and the applied interrelationships of those two resources in today's society. The broad spectrum coverage of the topic includes the energy linkage to both the supply and demand of water and also the water linkage to the supply of and demand for energy. The class includes development of systems dynamics models for describing the resource interactions. Recommended Preparation: Basic Physical Sciences.
   **Prereq:** Math 143

FOREST, RANGELAND, AND FIRE SCIENCES

1. Reactivate the following course:

   **For 429 Landscape Ecology (3 cr)**
   See Rem 429.

2. Add the following courses:

   **For J447/J557 Woody Plant Physiology (3 cr)**
   Examine woody plants interactions with their environment and tolerance or avoidance of stress. This course covers quantitative analysis of environmental biophysics, gas exchange, water relations and nutrition in woody plants. Students will also learn to use all of the major methods/equipment used in woody plant physiology research. Includes two weekly 1-hour lectures and one weekly 3-hour lab. Students registered for 500-level credit must complete a research project and presentation in addition to the requirements for the 400-level credit.

   **For 490 The Resilient Landscape (3 cr)**
   See LArc 480.

3. Change the following courses:

   **For 424 Forest Dynamics and Management Silviculture Principles and Practices (4 cr)**
   Gen Ed: Senior Experience
   Integrated methods and techniques for sustainable management of forest ecosystems including, stand and disturbance dynamics, exercises in forest assessment, thinning, harvesting, silviculture prescriptions, forest modeling and communicating management guidelines. Major integrative final project required. Course includes field labs and lectures; on average 3-hrs of lectures and 2-hrs of lab per week. Theory underlying silvicultural practices to control forest composition and growth, including forest stand dynamics, tree growth and quality, and growth-density relationships. Study of intermediate stand treatments and reproduction methods. Final project required involving field data collection and forest modeling to develop and mark silvicultural prescriptions. 3-hrs of lecture and 2-hrs of lab per week.
**REM 341 Systematic Botany (3 cr)**  
Phylogenetic approach to understanding plant systematics and evolution with a primary focus on the flora of the Pacific Northwest. Includes identification of important plant families and the use of dichotomous keys for species identification. (Spring only)  
**Prereq:** *Biol 114 or Biol 115; and Biol 213 or PlSc 205*

**REM 410 Principles of Vegetation Measurement and Assessment (2 cr)**  
On-line course designed to give an overview of vegetation measurement techniques for grasslands, shrublands, woodlands, and forests. Students will gain a solid understanding of how to assessevaluate and monitor vegetation attributes relative to wildlife habitat, livestock forage, fire fuel characteristics, watershed function, and many other wildland values. Recommended Preparation: A basic statistics course and understanding of how to use computer spreadsheets such as Excel. (Fall only). Students who desire a hands-on and interactive experience with vegetation measurement are encouraged to also enroll in REM 411 which is a course the builds on the principles delivered in REM410 and includes field experiences.

**REM 411 Ecological Monitoring and Analysis Wildland Habitat Ecology and Assessment (2 cr)**  
Field and data analysis course where students collect, analyze, and report ecological data related to scientific research, wildlife habitat, fire, grazing, and land management practices. Class field trips required. Recommended preparation: Ability to use excel. Co-enrollment in REM 410 is recommended.  
**Prereq:** Stat 251 or Permission  
**Prereq or Coreq:** REM 410

**REM 450 Global Environmental Change (3 cr)**  
Same as NRS 450. Major global environmental changes addressed using an interdisciplinary approach. Topics may include processes and principles of ecosystems, biogeochemical cycles, impacts and mitigation of climatic change, atmospheric chemistry, feedbacks between climate and various earth system processes, and trends in global biodiversity.  
**Prereq:** Math 143 or Stat 251

**REM 498 (s) Internship (cr arr)**  
Supervised field experience where students define specific topics and skills in rangeland management they wish to gain, develop a learning plan, and present a final report of knowledge gained or project outcomes. The internships will be overseen by an on-site field supervisor and a faculty mentor. Instructor permission required.

4. Make the following changes to the Forest Resources Major (B.S.For.Res.):

Students pursuing a B.S. degree in forest resources must receive a grade of C or better in the following indicator courses to register for upper-division courses in forest resources and to graduate with a B.S.For.Res.: Math 143, Stat 251, For 221, and For 274. Students must also have a minimum cumulative grade-point average of 2.00 in forestry resource (For) courses to qualify for the B.S. degree in forest resources.

Required course work includes the university requirements (see regulation J-3) and:

- **Biol 115**  
  *Cells and the Evolution of Life (4 cr)*  
- **CSSNRS 383**  
  *Natural Resource and Ecosystem Service Economics (3 cr)*  
- **Econ 202**  
  *Principles of Microeconomics (3 cr)*  
- **For 102**  
  *Introduction to Forest Management (1 cr)*  
- **REM 144**  
  *Wildland Fire Management (2 cr)*
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>For 235 or CSS 235</td>
<td>Society and Natural Resources</td>
<td>3 cr</td>
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<tr>
<td>Ent 469</td>
<td>Introduction to Forest Insects</td>
<td>2 cr</td>
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<tr>
<td>For 273</td>
<td>Forestry Sampling Methods</td>
<td>2 cr</td>
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<tr>
<td>For 274</td>
<td>Forest Measurement and Inventory</td>
<td>3 cr</td>
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<td>For 320</td>
<td>Dendrology</td>
<td>4 cr</td>
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<tr>
<td>For 324</td>
<td>Forest Regeneration</td>
<td>3 cr</td>
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<td>For 330</td>
<td>Forest Soil and Canopy Processes</td>
<td>4 cr</td>
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<tr>
<td>For 375</td>
<td>Introduction to Spatial Analysis for Natural Resource Management</td>
<td>3 cr</td>
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<td>For 424</td>
<td>Forest Dynamics and Management Silviculture Principles and Practices</td>
<td>4 cr</td>
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<tr>
<td>For 430</td>
<td>Forest Operations</td>
<td>3 cr</td>
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<td>For 462</td>
<td>Watershed Science and Management</td>
<td>3 cr</td>
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<tr>
<td>For 468</td>
<td>Forest and Plant Pathology</td>
<td>2 cr</td>
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<tr>
<td>For 484</td>
<td>Forest Policy and Administration</td>
<td>2 cr</td>
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<tr>
<td>Math 143</td>
<td>Pre-calculus Algebra and Analytic Geometry</td>
<td>3 cr</td>
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<tr>
<td>Math 144</td>
<td>Analytic Trigonometry</td>
<td>1 cr</td>
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<tr>
<td>NR 101</td>
<td>Exploring Natural Resources</td>
<td>1 cr</td>
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<tr>
<td>Soil 205, 206</td>
<td>The Soil Ecosystem and Lab</td>
<td>4 cr</td>
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<tr>
<td>Stat 251</td>
<td>Statistical Methods</td>
<td>3 cr</td>
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<td>One of the following (4 cr):</td>
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<tr>
<td>Biol 114</td>
<td>Organisms and Environments</td>
<td>4 cr</td>
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<tr>
<td>Pisc 205</td>
<td>General Botany</td>
<td>4 cr</td>
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<tr>
<td>Phys 100</td>
<td>Fundamentals of Physics</td>
<td>3 cr</td>
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<td>One of the following (4 cr):</td>
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<tr>
<td>Chem 101</td>
<td>Introduction to Chem I</td>
<td>4 cr</td>
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<tr>
<td>Chem 111</td>
<td>Principles of Chem I</td>
<td>4 cr</td>
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<tr>
<td>One of the following (3 cr):</td>
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<tr>
<td>Engl 313</td>
<td>Business Writing</td>
<td>3 cr</td>
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<td>Engl 317</td>
<td>Technical Writing</td>
<td>3 cr</td>
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<td>One of the following (3 cr):</td>
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<td>For 221</td>
<td>Ecology</td>
<td>3 cr</td>
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<tr>
<td>REM 221</td>
<td>Ecology</td>
<td>3 cr</td>
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<td>One of the following (4 cr):</td>
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<tr>
<td>Phys 100, Phys 100L</td>
<td>Fundamentals of Physics and Lab</td>
<td>4 cr</td>
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<tr>
<td>Phys 111, Phys 111L</td>
<td>General Physics I and Lab</td>
<td>4 cr</td>
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<tr>
<td>Restricted Electives (11 cr):</td>
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<tr>
<td>AgEc 477</td>
<td>Law, Ethics, and the Environment</td>
<td>3 cr</td>
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<td>Biol 213</td>
<td>Principles of Biological Structure and Function</td>
<td>4 cr</td>
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<tr>
<td>Biol 421</td>
<td>Advanced Evolutionary Biology</td>
<td>3 cr</td>
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<tr>
<td>CSS 486</td>
<td>Public Involvement in Natural Resource Management</td>
<td>3 cr</td>
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<tr>
<td>CSS 490</td>
<td>Wilderness and Protected Area Management</td>
<td>3 cr</td>
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<td>Course Code</td>
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<tr>
<td>Fish 314</td>
<td>Fish Ecology (3 cr)</td>
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<td>Fish 415</td>
<td>Limnology (4 cr)</td>
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<tr>
<td>Fish 430</td>
<td>Riparian Ecology and Management (3 cr)</td>
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<tr>
<td>For 255</td>
<td>Nursery Irrigation and Fertilization (1 cr)</td>
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<tr>
<td>For 326</td>
<td>Fire Ecology and Management (3 cr)</td>
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<tr>
<td>For 427</td>
<td>Prescribed Burning Lab (3 cr)</td>
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<tr>
<td>For 431</td>
<td>Low-Volume Forest Roads (2 cr)</td>
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<tr>
<td>For 436</td>
<td>Cable Systems (2 cr)</td>
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<tr>
<td>For 472 or REM 472</td>
<td>Remote Sensing of the Environment (4 cr)</td>
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<tr>
<td>For 497</td>
<td>Senior Thesis (2-4 cr)</td>
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<tr>
<td>Geog 301</td>
<td>Meteorology (3 cr)</td>
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<tr>
<td>Geog 385</td>
<td>GIS Primer (3 cr)</td>
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<tr>
<td>Geol 111, 111L</td>
<td>Physical Geology for Science Majors (4 cr)</td>
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<tr>
<td>Math 160</td>
<td>Survey of Calculus (4 cr)**</td>
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<tr>
<td>Math 170</td>
<td>Analytic Geometry and Calculus I (4 cr)**</td>
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<tr>
<td>PolS 364 or CSS 364</td>
<td>Politics of the Environment (3 cr)</td>
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<tr>
<td>REM 407</td>
<td>GIS Applications in Fire Ecology and Management (2 cr)</td>
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<tr>
<td>REM 410</td>
<td>Principles of Vegetation Measurement and Assessment (2 cr)</td>
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<tr>
<td>REM 411</td>
<td>Ecological Monitoring and Analysis (2 cr)</td>
<td></td>
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<tr>
<td>REM 429</td>
<td>Landscape Ecology (3 cr)</td>
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<tr>
<td>REM 440</td>
<td>Wildland Restoration Ecology (2 cr)</td>
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<tr>
<td>REM 450</td>
<td>Rangeland Ecology (2 cr)</td>
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<tr>
<td>REM 460</td>
<td>Integrating GIS and Field Studies in Rangelands (2 cr)</td>
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<tr>
<td>RMat 321</td>
<td>Renewable Materials Anatomy and Properties (3 cr)</td>
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<td>RMat 444</td>
<td>Primary Products Manufacturing (3 cr)</td>
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<tr>
<td>Soil 446</td>
<td>Soil Fertility (1-3 cr)</td>
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<tr>
<td>Soil 454</td>
<td>Soil Development and Classification (3 cr)</td>
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<tr>
<td>Stat 431</td>
<td>Statistical Analysis (3 cr)</td>
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<tr>
<td>WLF 314</td>
<td>Wildlife Ecology I (3 cr)</td>
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<tr>
<td>WLF 316</td>
<td>Wildlife Ecology II (3 cr)</td>
<td></td>
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<tr>
<td>WLF 440</td>
<td>Conservation Biology (3 cr)</td>
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</tbody>
</table>

Complete 18 credits of Advisor Approved Electives OR one of the following Minors:

- Conservation Social Sciences Minor (CNR)
- Environmental Communication Minor (CNR)
- Fishery Resources Minor (NCR)
- Forest Operations Minor (CNR)
- Fire Ecology and Management Minor (CNR)
- Natural Resources Economics Minor (CNR)
- Rangeland Ecology and Management Minor (CNR)
Renewable Materials Minor (CNR)
Soil Science Minor (CALS)
Wildlife Resources Minor (CNR)
Business Minor (Business)
   Ecology Minor (CNR) (pending)

Courses to total 120 credits for this degree

*Note: A SAT math score of 610 or above, or ACT math score of 27 or above can be used to satisfy the Math 143 and Math 144 requirements.
**Note: Either Math 160 or Math 170 may be used as a restricted elective, but not both.

5. Make the following changes to the Rangeland Ecology and Management Major (B.S.Rangeland Ecol.-Mgt.)

Required course work includes the university requirements (see regulation J-3) and:

First and Second Years:

AVS 109 -- The Science of Animals that Serve Humanity (4 cr)
Biol 115 -- Cells and the Evolution of Life (4 cr)
Chem 275 -- Carbon Compounds (3 cr)
Comm 101 -- Fundamentals of Public Speaking (2 cr)
Econ 202 -- Principles of Microeconomics (3 cr)
For 235 or CSS 235 -- Society and Natural Resources (3 cr)
NR 101 -- Exploring Natural Resources (1 cr)
REM 151 -- Rangeland Principles (2 cr)
REM 152 -- Rangeland Ecosystem Exploration (1 cr)
Soil 205 -- The Soil Ecosystem (3 cr)
Soil 206 -- The Soil Ecosystem Lab (1 cr)
Stat 251 -- Statistical Methods (3 cr)

One of the following (4 cr):
Biol 213 -- Principles of Biological Structure and Function (4 cr)
PISc 205 -- General Botany (4 cr)

One of the following (4 cr):
Chem 101 -- Introduction to Chem I (4 cr)
Chem 111 -- Principles of Chem I (4 cr)

One of the following (3-4 cr):
Math 143 -- Pre-calculus Algebra and Analytic Geometry (3 cr)
Math 160 -- Survey of Calculus (3-4 cr)

One of the following (3 cr):
For 221 -- Ecology (3 cr)
REM 221 -- Ecology (3 cr)

Third and Fourth Years
CSS 383 -- Natural Resource and Ecosystem Service Economics (3 cr)
For 375 -- Introduction to Spatial Analysis for Natural Resource Management (3 cr)
REM 252 -- Wildland Plant Identification Field Studies (3 cr)
REM 341 -- Systematic Botany (3 cr)
REM 410 -- Principles of Vegetation Measurement and Assessment (2 cr)
REM 411 -- Ecological Monitoring and Analysis (2 cr)
REM 440 -- Wildland Restoration Ecology (3 cr)
REM 456  --  Integrated Rangeland Management (3 cr)
REM 459  --  Rangeland Ecology (2 cr)
REM 460  --  Integrating GIS and Field Studies in Rangelands (2 cr)
Soil 454  --  Pedology (3 cr)

One of the following (3 cr):
AVS 474  --  Beef Cattle Science (3 cr)

One of the following (3 cr):
Engl 313  --  Business Writing (3 cr)
Engl 317  --  Technical Writing (3 cr)

One of the following (3 cr):
Fish 430  --  Riparian Ecology and Management (3 cr)
For 462  --  Watershed Science and Management (3 cr)

Students must also complete 12 credits of advisor approved electives in emphasis areas that include:

Courses to total 122 credits for this degree

6. Make the following changes to the Rangeland Ecology and Management Minor:

   Note: At least 12 credits in courses numbered 300 or higher are required to satisfy the requirements of this minor.

REM 151  Rangeland Principles (2 cr)
REM 252  Wildland Plant Identification Field Studies (3 cr)
REM 459  Rangeland Ecology (2 cr)
REM 460  Integrating GIS and Field Studies in Rangelands (2 cr)
REM 456  Integrated Rangeland Management (3 cr)

One of the following (3 cr)
REM 252  Wildland Plant Identification Field Studies (3 cr)
REM 342  Systematic Botany (3 cr)

One of the following (3 cr):
For 221  Ecology (3 cr)
REM 221  Ecology (3 cr)

Six to 4 credits from the following courses (6-4 cr):
REM 410  Principles of Vegetation Measurement and Assessment (2 cr)
REM 411  Ecological Monitoring and Analysis (2 cr)
REM 429  Landscape Ecology (3 cr)
REM 440  Wildland Restoration Ecology (3 cr)
REM 452  Western Wildland Landscapes (2 cr)
REM 456  Integrated Rangeland Management (3 cr)

One of the following courses (or a course not chosen above) (2-4 cr):
AVS 474  Beef Cattle Science (3 cr)
AVS 476  Sheep Science (3 cr)
Fish 430  Riparian Ecology and Management (3 cr)
For 326  Fire Ecology and Management (3 cr)
For 462  Watershed Management (3 cr)
PlSc 338 Weed Control (4 cr)
PlSc 410 Invasive Plant Biology (3 cr)
REM 144 Wildland Fire Management (2 cr)
REM 340 Ethnobotany (2 cr)
REM 429 Landscape Ecology (3 cr)
REM 450 Global Environmental Change (3 cr)
Soil 454 Pedology (3 cr)
Soil 438 Pesticides in the Environment (3 cr)
WLF 314 Wildlife Ecology I (3 cr)
WLF 440 Conservation Biology (3 cr)

Courses to total 2018 credits for this minor

HISTORY

1. Add the following courses:

**Hist 100 What is the Study of the Past (1 cr)**
This course introduces students to the basic study of the human past. Students will gain a broad overview of the historical discipline and learn about the diverse methods and means of studying peoples and cultures of the past. Note: this class is open for all interested students, not simply history majors.

**Hist 300 Digital History (3 cr)**
This course introduces the theory and practice of digital history. Students will use digital technologies to help research and present history and related interdisciplinary subjects. Note: no prior special computing skills are required.

2. Drop the following courses:

**Hist 511 Colonial North America and Early National Period (3 cr)**
See Hist J411/J511.

**Hist 512 Revolutionary North America and Early National Period**
See Hist J412/J512.

**Hist 516 Rise of Modern America (3 cr)**
See Hist J416/J516.

**Hist 517 America in Crisis (3 cr)**
See Hist J417/J517.

**Hist 518 Contemporary America (3 cr)**
See Hist J418/J518.

3. Make the following curricular changes to the History Major (B.A.):

**History (B.A.)**
Required course work includes the university requirements (see regulation J-3), the general requirements for the B.A. degree, and:

Hist 290 The Historian's Craft (3 cr)
Hist 495 History Senior Seminar (3 cr)
Lower-division history courses selected from the following (9 cr) (12 cr):
Hist 101  History of Civilization (3 cr)
Hist 102  History of Civilization (3 cr)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Hist 111</td>
<td>Introduction to U.S. History (3 cr)</td>
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<tr>
<td>Hist 112</td>
<td>Introduction to U.S. History (3 cr)</td>
</tr>
<tr>
<td>Hist 180</td>
<td>Introduction to East Asian History (3 cr)</td>
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<tr>
<td>Hist 270</td>
<td>Introduction to Greek and Roman Civilization (3 cr)</td>
</tr>
</tbody>
</table>

And one of the following emphases:

A. American Emphasis
18 credits from the following American history courses:
- Hist 315 Comparative African-American Cultures (3 cr)
- Hist 328 History of the American West (3 cr)
- Hist 329 Idaho and the Pacific Northwest (3 cr)
- Hist 411 Colonial North America (3 cr)
- Hist 412 Revolutionary North America and Early National Period (3 cr)
- Hist 415 Expanding America (3 cr)
- Hist 416 Rise of Modern America (3 cr)
- Hist 417 America in Crisis (3 cr)
- Hist 418 Contemporary America (3 cr)
- Hist 419 Topics in the American West (3 cr)
- Hist 420 History of Women in American Society (3 cr)
- Hist 424 American Environmental History (3 cr)
- Hist 426 Red Earth White Lies: American Indian History 1840-Present (3 cr)
- Hist 430 U.S. Diplomatic History (3 cr)
- Hist 431 Stolen Continents, The Indian Story: Indian History to 1840 (3 cr)
- Hist 441 Slavery and Freedom in the Americas (3 cr)
- Hist 481 America's Wars in Asia (3 cr)

Related Fields: 15 credits from the following:
- AIST 320 The Celluloid Indian: American Indians in Popular Film (3 cr)
- AIST 401 Contemporary American Indian Issues (3 cr)
- AIST 411 or Arch 411 Native American Architecture (3 cr)
- AIST 420 or Law 949 Native American Law (3 cr)
- AIST 422 or Anth 422 Plateau Indians (3 cr)
- AIST 478 or Law 928 Tribal Nation Economics and Law (3 cr)
- AIST 484 or Engl 484 American Indian Literature (3 cr)
- Anth 329 North American Indians (3 cr)
- Anth 425 or Soc 425 Society and Popular Culture (3 cr)
- Law 928 or Soc 425 Racial and Ethnic Relations (3 cr)
- Anth 431 Historical Archaeology (3 cr)
- Anth 436 North American Prehistory (3 cr)
- Anth 443 Plateau Prehistory (3 cr)
- Arch 483 Urban Theory and Issues (3 cr)
- Art 302 Modern Art and Theory (3 cr)
- Art 303 Contemporary Art and Theory (3 cr)
- Art 313 History and Theory of Modern Design II (3 cr)
- Art 382 History of Photography (3 cr)
CSS 364 or Politics of the Environment (3 cr)
PoliS 364
CSS 462 or Natural Resource Policy (3 cr)
PoliS 462
CSS 489 Personalities and Philosophies in Conservation (3 cr)
Dan 421 Dance History (3 cr)
Engl 230 Introduction to Film Studies (3 cr)
Engl 322 Environmental Literature and Culture (3 cr)
Engl 343 Survey of American Literature (3 cr)
Engl 344 Survey of American Literature (3 cr)
Engl 380 Introduction to U.S. Ethnic Literatures (3 cr)
Engl 426 Modern Poetry (3 cr)
Engl 427 Modern Fiction, 1900-1945 (3 cr)
Engl 429 Contemporary Fiction (3 cr)
Engl 432 Film Theory and Criticism (3 cr)
Engl 473 American Regional Literature (3 cr)
Engl 477 or Documentary Film (3 cr)
JAMM 477
Engl 481 Women's Literature (3 cr)
Engl 482 Major Authors (3 cr)
Engl 483 African American Literature (3 cr)
Envs 482 Natural Resource Policy and Law (3 cr)
For 310 Indigenous Culture and Ecology (3 cr)
For 484 Forest Policy and Administration (2 cr)
Geog 364 Idaho and the Pacific Northwest (3 cr)
Geog 420 Land, Resources, and Environment (3 cr)
JAMM 100 Media and Society (3 cr)
JAMM 340 Cultural Diversity and the Media (3 cr)
JAMM 341 Mass Media Ethics (3 cr)
JAMM 378 American Television Genres (3 cr)
JAMM 379 Hollywood Portrayals of Journalists (3 cr)
JAMM 440 Critical Issues in Mass Media (3 cr)
JAMM 444 Mass Media and Public Opinion (3 cr)
JAMM 445 History of Mass Media (3 cr)
JAMM 448 Law of Mass Media (3 cr)
JAMM 465 Political Advertising (3 cr)
LArc 151 Introduction to the Built Environment (2 cr)
MS 227 American Military History (3 cr)
MusH 201 History of Rock and Roll (3 cr)
MusH 330 History of Music Theatre (3 cr)
MusH 410 Studies in Jazz History (3 cr)
MusH 419 Studies in 20th-Century Music (3 cr)
NezP 101 Elementary Nez Perce I (4 cr)
NezP 102 Elementary Nez Perce II (4 cr)
NezP 200 Seminar (cr arr)
PoliS 275 American State and Local Government (3 cr)
PoliS 331 American Political Parties and Elections (3 cr)
PoliS 332 American Congress (3 cr)
PoliS 333 American Political Culture (3 cr)
PoliS 335 American Interest Groups & Social Movements (3 cr)
PoliS 338 American Foreign Policy (3 cr)
PoliS 360 Law and Society (3 cr)
PoliS 423 Politics, Policy and Gender (3 cr)
PoliS 428 American Political Thought (3 cr)
PoliS 437 American Presidency (3 cr)
PolS 467  Constitutional Law (3 cr)
PolS 468  Civil Liberties (3 cr)
PolS 472  Local Government Politics and Administration (3 cr)
Soc 311  Development of Social Theory (3 cr)
Soc 325  Family, Violence, and Society (3 cr)
Soc 424  Sociology of Gender (3 cr)
Soc 427  Racial and Ethnic Relations (3 cr)
Soc 439  Inequalities in the Justice System (3 cr)
Soc 450  Dynamics of Social Protest (3 cr)
WmSt 201  Introduction to Women's Studies (3 cr)
WmSt 367  Topics in Women's Studies (3 cr)
WmSt 410  Feminist Theory and Action (3 cr)

6 3 credits of non-American history (European; Latin America; Asia; History of Science/Health/Environment)

Courses to total 120 credits for this degree

B. European Emphasis
18 credits from the following European history courses:
Hist 350  The Age of Enlightenment: European Culture & Ideas, 1680-1800 (3 cr)
Hist 357  Women in Pre-Modern European History (3 cr)
Hist 366  Modern European Cultural and Intellectual History, 1880-1980 (3 cr)
Hist 371  History of England (3 cr)
Hist 372  History of England (3 cr)
Hist 442  The Medieval Church: Europe in the Early and High Middle Ages (3 cr)
Hist 443  The Medieval State: Europe in the High and Late Middle Ages (3 cr)
Hist 445  Medieval English Constitutional and Legal History: 1066-1485 (3 cr)
Hist 447  The Renaissance (3 cr)
Hist 448  The Reformation (3 cr)
Hist 449  Tudor-Stuart Britain 1485-1660 (3 cr)
Hist 452  Europe in the Age of the Revolution, 1770-1880 (3 cr)
Hist 455  Modern Europe (3 cr)
Hist 456  Anti-Semitism and the Holocaust (3 cr)
Hist 466  Eastern Europe Since 1774 (3 cr)
Hist 467  Russia to 1894 (3 cr)
Hist 468  Russia and Soviet Union Since 1894 (3 cr)

Related Fields: 15 credits from the following:
Art 302  Modern Art and Theory (3 cr)
Art 303  Contemporary Art and Theory (3 cr)
Engl 341  Survey of British Literature (3 cr)
Engl 342  Survey of British Literature (3 cr)
FLEN 307  The European Union (3 cr)
FLEN 308  European Immigration and Integration (3 cr)
FLEN 324  Topics in German Literature in Translation (3 cr)
Fren 407  French & Francophone Literatures (3 cr)
Fren 408  French and Francophone Culture and Institutions (3 cr)
Germ 420  Topics in German Culture and Literature - Themes (3 cr)
C. General Emphasis

Upper-division history courses (24 cr)
Related fields (20 cr)

Courses to total 120 credits for this degree

4. Make the following curricular changes to the History Major (B.S.):

Note: Students expecting to study for an M.A. or Ph.D. degree in the humanities and social sciences should take the B.A. rather than the B.S. degree.

Required course work includes the university requirements (see regulation J-3), the general requirements for the B.S. degree, and:

Hist 290 The Historian's Craft (3 cr)

Hist 495 History Senior Seminar (3 cr)

Lower-division history courses (12 cr) selected from the following (9 cr):
Hist 101 History of Civilization (3 cr)
Hist 102 History of Civilization (3 cr)
Hist 111 Introduction to U.S. History (3 cr)
Hist 112 Introduction to U.S. History (3 cr)
Hist 180 Introduction to East Asian History (3 cr)
Hist 270 Introduction to Greek and Roman Civilization (3 cr)

Upper-division history courses (21 cr) including a seminar in senior year (27 cr)
Related fields (20 cr)

Any combination of the following (12 cr):

Any foreign language (high-school foreign language may be substituted at the rate of 4 cr per year)
Courses selected from the University's general education "diversity" or "international" requirements (in addition to university-wide general education requirements)

Courses to total 120 credits for this degree

LATIN AMERICAN STUDIES

1. Make the following curricular changes to the Latin American Studies Major (B.A.):

Required course work includes the university requirements (see regulation J-3), the general requirements for the B.A. degree, including Spanish for the foreign language requirement, and:

LAS 435 Latin America: The Colonial Era (3 cr)
Span/LAS 306 Culture and Institutions of Latin America (3 cr)
Span 401 Readings: Spanish Literature (3 cr)
Span 402 Spanish American Literature (3 cr)
One of the following (3 cr):
Flen/LAS 391 Hispanic Film
Flen/LAS 394 Latin American Literature in Translation

One of the following (3 cr):
Hist/LAS 438 Modern Mexico (3 cr)
Hist/LAS 439 Modern Latin America (3 cr)

27 credits of the following courses or the optional courses listed above, at least six of which must be Spanish credits And at least seven of the following courses (or the optional courses listed above) (2427 cr):
Anth 220 Peoples of the World (3 cr)
Anth/LAS 462 Human Issues in International Development (3 cr)
NRS/LAS 493 International Land Preservation and Conservation Systems (3 cr)
Econ/LAS 447* International Development Economics (3 cr)
FLEN 391 Hispanic Film (3 cr)
FLEN 394 Latin American Literature in Translation (3 cr)
Hist 315 Comparative African-American Cultures (3 cr)
Hist/LAS 440 Social Revolution in Latin America (3 cr)
Hist/LAS 441 Slavery and Freedom in the Americas (3 cr)
IS 320 Model United Nations (2 cr)
IS 321 UN and Related Agencies (1 cr)
Pols 449 World Politics (3 cr)
Pols 480 Politics of Development (3 cr)
Span 402 Readings: Spanish American Literature (3 cr)
Span 404 Special Topics (with prior approval of program coordinator)
Span 411 Chicano and Latino Literature (3 cr)
Span 413 Spanish American Short Fiction (3 cr)
Span/LAS 409 Modern Latin American Society (3 cr)
Span/LAS 422 Mexican Culture Through Cinema (3 cr)
Span/LAS 417 Human Rights Through Hispanic Cinema (3 cr)
Span 419 Latin American Theatre Through Literature (3 cr)
Span 421 Bilingual and Bicultural Literature (3 cr)

Courses to total 120 credits for this degree

*Students are strongly urged to elect those courses marked with an asterisk and to take Hist 101-Hist 102 (History of Civilization) in their freshman year.

LAW

1. Add the following courses [EFFECTIVE SUMMER 2017]:

Law 814 Contracts II (3 cr)
Continuation of Law 813 on the basic elements of private, consensual agreements enforced by law under common law and UCC Article 2.
Prereq: Law 813

Law 821 Legal Research (1 cr)
Basic elements of legal research in print and electronic resources, including generating search terms; researching secondary sources, cases, and statutes; and using citators for case research.
2. Change the following courses [EFFECTIVE SUMMER 2017]:

**Law 805 Civil Procedure and Introduction to Law (32 cr)**
Overview of U.S. legal systems, providing basics on civil litigation and legal principles. Covers litigation topics including pleadings, pretrial management, discovery, summary judgment, trial, post-trial motions, judgment, personal jurisdiction, subject matter jurisdiction and related topics with a focus on the Federal Rules of Civil Procedure.

**Law 813 Contracts (42 cr)**
Basic elements of private, consensual agreements enforced by law under common law and UCC Article 2: formation, principles of bargain or reliance, methods to police the bargain, interpretation, performance/breach and remedies for breach, defenses to liability, and the rights and liabilities of third parties upon assignment and delegation.

**Law 816 Constitutional Law I (43 cr)**
An examination of the institution of judicial review and of the constitutional divisions of government power in the United States; the principles of separation of powers and federalism; and the constitutional protection of certain individual rights and liberties, particularly under the 14th Amendment.

3. Drop the following course [EFFECTIVE SUMMER 2017]:

**Law 820 Statutory Reading and Interpretation (3 cr)**
Introduction to the process and techniques of statutory and regulatory interpretation, including how to read a statute or regulation, identify interpretive issues, and employ the accepted canons of statutory construction as part of the theory and practice of interpretation. (Fall only)

4. Make the following curricular changes to the Juris Doctor (J.D.) [EFFECTIVE SUMMER 2017]:

Required courses

- Law 805 Civil Procedure and Introduction to Law (32)
- Law 806 Civil Procedure II (3)
- Law 807 Property (4)
- Law 809 Torts (4)
- Law 812 Criminal Law (3)
- Law 813 Contracts I (42)
- Law 814 Contracts II (3)
- Law 815 Legal Research and Writing (0 or 5 cr, max 5)
- Law 816 Constitutional Law I (43)
- Law 820 Statutory Reading and Interpretation (3)
- Law 821 Legal Research (1)
- Law 905 Constitutional Law II (3)
- Law 907 Administrative Law (3)
- Law 919 Business Associations (4)
- Law 950 Evidence (3)
- Law 962 Professional Responsibility (3)

Six credits chosen from the following experiential learning courses:

- Law 855 Water Law Practicum (2–3)
- Law 917 Negotiation and Appropriate Dispute Resolution (3)
- Law 932 Estate Planning (3)
- Law 958 Trial Advocacy (2)
- Law 971 Lawyering Process Seminar (2)
- Law 974 Legal Aid Clinic (1–3, max 6)
Law 975 Classroom Credit Public Service Externship (1–5, max 10)
Law 978 Small Business Legal Clinic (1–3, max 6)
Law 986 Judicial Clerkship Seminar (1–2)
Law 991 Skills Practicum (cr arr)
Law 994 Economic Development Clinic (1–3, max 6)
Law 995 Main Street Law Clinic (1–3, max 6)
Law 996 Immigration Law Clinic (1–3, max 6)
Law 997 Mediation Clinic (1–3, max 6)
Law 998 Tax Clinic (2–3, max 6)

Plus the following:

One Satisfaction of the Upper-Division Writing Requirement through Law Review, or a Directed Study, or particular designated courses each year course

50 Hours of uncompensated law related pro bono service

90 total credits

MODERN LANGUAGES AND CULTURES

1. Add the following courses:

Chin 107 Beginning Chinese Conversation Lab (1 cr, max 2)
Practice in listening comprehension and conversational skills at the beginning Chinese level. Graded P/F.

Chin 207 Intermediate Chinese Conversation Lab (1 cr, max 2)
Practice in listening comprehension and conversational skills at the intermediate Chinese level. Graded P/F.

Chin 310 Advanced Chinese 1: Oral Communication (3 cr)
This course will focus on improving oral expression to develop greater fluency, accuracy, and confidence in spoken Chinese. Conversational topics are based on contemporary issues in Chinese-speaking regions. This course will enhance students’ advanced conversational skills through descriptions, summaries of texts, active participation in discussions, debates and oral presentations in class.
Prereq: Chin 212 or equivalent

Chin 312 Advanced Chinese 2: Reading & Translation (3 cr)
This course will focus on improving students’ competency in reading and translating written Chinese. In this course students will enhance their reading fluency and will learn to translate from Chinese to English and English to Chinese. The selection of texts will be limited to modern literature, documents, and news items on Chinese culture and international affairs. In their translations students will learn to focus on accuracy as well as stylistic appropriateness.
Prereq: Chin 212 or equivalent

Chin 314 Advanced Chinese 3: Writing & Grammar (3 cr)
This course will focus on improving students’ competency in written Chinese and grammar. This course will increase students’ linguistic competence by focusing on introducing advanced Chinese grammar and rhetoric; standards of composition and written communication; and comprehensive training in Chinese writing.
Prereq: Chin 212 or equivalent

Chin 316 Business Chinese (3 cr)
This course is an advanced Chinese language course designed for students who are interested in doing business in Chinese-speaking communities (including China, Taiwan, Hong Kong, and Singapore). Students learn specialized business and economic vocabulary and conventions of business interaction and correspondence. Practical business-focused reading, writing, discussion, and presentation will prepare students to participate in various business activities and to deal with different business documents.  
**Prereq:** Chin 212 or equivalent

**Chin 412 Advanced Readings in Chinese (3 cr)**
This course is an advanced Chinese language course that surveys a wide variety of 20th- and 21st-century written materials, including texts from literature, the social sciences, religion, and cultural history. This class specifically focuses on content and style with extensive discussion and frequent written assignments in Chinese.  
**Prereq:** Chin 312 or equivalent

**Chin 499 Directed Study (cr arr)**

**Flen 326 Chinese Cinema in Translation (3 cr)**
This course introduces students to China and Chinese culture through the lens of Chinese cinema. This class covers the major landmarks in Chinese film history and will help familiarize students with representative movements, directors, actors and actresses in the Chinese film industry. Students will also be introduced to basic Chinese phrases and concepts that will help further their appreciation of Chinese culture and artistic traditions. This course is taught in English.

**Flen 390 Representation and Reality in Spanish Cinema (3 cr)**
Examines how Spanish film represents contemporary issues such as immigration and identity for domestic and international audiences.

**Flen 396 Ecuador/Amazon/Galapagos (3 cr)**
Analysis of Ecuadorian and Andean culture through classes, service-learning projects in Quito, living with a host family, and studying biodiversity and ecotourism in the Amazon Rainforest and on the Galápagos Islands.

**Germ 107 Beginning German Conversation Lab (1 cr, max 2)**
Practice in listening comprehension and conversational skills at the beginning German level. Graded P/F.

**Germ 207 Intermediate German Conversation Lab (1 cr, max 2)**
Practice in listening comprehension and conversational skills at the intermediate German level. Graded P/F.

**Japn 107 Beginning Japanese Conversation Lab (1 cr, max 2)**
Practice in listening comprehension and conversational skills at the beginning Japanese level. Graded P/F.

**Japn 205 Kanji (3 cr)**
Acquisition of Kanji skills, including listening, speaking, reading and writing.  
**Prereq:** Japn 102 or placement exam

**Japn 207 Intermediate Japanese Conversation Lab (1 cr, max 2)**
Practice in listening comprehension and conversational skills at the intermediate Japanese level. Graded P/F.

**Japn 305 Japanese Professional Culture (3 cr)**
Examines current issues in Japanese culture.
Prereq: Japn 202 or Permission

LAS 409 Modern Latin American Society (3 cr)
Same as Span 409. Analysis of contemporary issues in Latin American society such as gender, race, environment, and immigration from a variety of cultural perspectives (film, newspapers, literature, etc.).
Prereq: Span/LAS 306

LAS 422 Mexican Culture through Cinema (3 cr)
Same as Span 422. Examines how fictional representations of Mexico are driven by specific historical, political, economic, and cultural forces. Students will also reflect on the ways in which films and literature can inform our knowledge of race, gender and socio-economic relations and how these representations of Mexican culture through film have changed over time.
Prereq or Coreq: Span/LAS 306

LAS 424 Human Rights and Hispanic Cinema (3 cr)
Same as Span 424. Examines how Hispanic film represents and grapples with the question of human rights.
Prereq or coreq: Span 305

NezP 107 Beginning Nez Perce Conversation Lab (1 cr, max 2)
Practice in listening comprehension and conversational skills at the beginning Nez Perce level. Graded P/F.

Span 409 Modern Latin American Society (3 cr)
Same as LAS 409.
Prereq: Span/LAS 306

Span 422 Mexican Culture through Cinema (3 cr)
Same as LAS 422.
Prereq or Coreq: Span/LAS 306

Span 423 Gender and Identity in Spanish Cinema (3 cr)
Examines how Spanish film explores questions of gender and identity.
Prereq or Coreq: Span 305

Span 424 Human Rights and Hispanic Cinema (3 cr)
Same as LAS 424.
Prereq or Coreq: Span 305

2. Change the following courses:

Chin 110 Elementary Chinese (4 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk. Students with Chinese experience who place higher than 110 on the placement exam may not enroll in Chin110, but may earn credit for Chin 110 by successfully completing a higher vertically-related course.
Coreq: Chin 110L

Chin 112 Elementary Chinese II (4 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk.
Prereq: Chin 110 or placement exam
Coreq: 112L

Chin 210 Intermediate Chinese 1 (4 cr)
Review and practice of basic language skills; increased emphasis on reading, writing, and free discussion. Four lec and one 1-hr lab a wk.

Prereq: Chin 112 or placement exam
Coreq: Chin 210L

Chin 212 Intermediate Chinese II (4 cr)
Review and practice of basic language skills; increased emphasis on reading, writing, and free discussion. Four lec and one 1-hr lab a wk.

Prereq: Chin 210 or placement exam
Coreq: Chin 212L

Germ 101 Elementary German I (4 cr)
Gen Ed: International
Pronunciation, vocabulary, reading, spoken German, and functional grammar. Students with German experience who place higher than 101 on the placement exam may not enroll in Germ 101, but may earn credit for Germ 101 by successfully completing a higher vertically-related course.
Coreq: Germ 101L

Germ 102 Elementary German II (4 cr)
Gen Ed: International
Pronunciation, vocabulary, reading, spoken German, and functional grammar.

Prereq: Germ 101 or placement exam
Coreq: Germ 102L

Germ 201 Intermediate German I (4 cr)
Gen Ed: International
Review and practice of basic language skills; increased emphasis on reading and free discussion. Appropriate starting point for students with two or three yrs of high school German. Recommended Preparation: Germ 102 or Equivalent.

Prereq: Germ 102 or placement exam
Coreq: Germ 201L

Germ 202 Intermediate German II (4 cr)
Gen Ed: International
Review and practice of basic language skills; increased emphasis on reading and free discussion. Appropriate starting point for students with two or three yrs of high school German. Recommended Preparation: Germ 102 or Equivalent

Prereq: Germ 201 or placement exam

Germ 301 Advanced German Grammar (3 cr)
Gen Ed: International
Emphasis on writing skills and various kinds of writing; selective review of German grammar and usage. Recommended Preparation: Germ 202. Cooperative: open to WSU degree-seeking students. (Fall, Alt/yr)

Prereq: Germ 202 or placement exam

Japn 101 Elementary Japanese I (4 cr)
Gen Ed: International
Writing system, pronunciation, vocabulary, and functional grammar. Students with Japanese experience who place higher than 101 on the placement exam may not enroll in Japn 101, but may earn credit for Japn 101 by successfully completing a higher vertically-related course. Cooperative: open to WSU degree-seeking students.
Coreq: Japn 101L

Japn 102 Elementary Japanese II (4 cr)
Gen Ed: International
Writing system, pronunciation, vocabulary, and functional grammar. Cooperative: open to WSU degree-seeking students.
Prereq: Japn 101 or placement exam
Coreq: Japn 102L

Japn 201 Intermediate Japanese I (4 cr)
Gen Ed: International
A beginning intermediate course; review and practice of basic language skills; increased emphasis on reading and free discussion. Cooperative: open to WSU degree-seeking students.
Prereq: Japn 102 or placement exam
Coreq: Japn 201L

Japn 202 Intermediate Japanese II (4 cr)
Gen Ed: International
An intermediate course; review and practice of basic language skills; increased emphasis on reading and free discussion. Cooperative: open to WSU degree-seeking students.
Prereq: Japn 201 or placement exam

3. Drop the following courses:

Chin 110L Elementary Chinese I Lab (1 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Chin 110

Chin 112L Elementary Chinese II Lab (1 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Chin 112

Chin 210L Intermediate Chinese I Lab (1 cr)
Review and practice of basic language skills; increased emphasis on reading, writing, and free discussion. Four lec and one 1-hr lab a wk.
Coreq: Chin 210

Chin 212L Intermediate Chinese II Lab (1 cr)
Review and practice of basic language skills; increased emphasis on reading, writing, and free discussion. Four lec and one 1-hr lab a wk.
Coreq: Chin 212

Germ 101L Elementary German I Lab (1 cr)
Pronunciation, vocabulary, reading, spoken German, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Germ 101

Germ 102L Elementary German II Lab (1 cr)
Pronunciation, vocabulary, reading, spoken German, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Germ 102

Germ 201L Intermediate German I Lab (1 cr)
Review and practice of basic language skills; increased emphasis on reading and free discussion. Appropriate starting point for students with two or three yrs of high school German. Recommended Preparation: Germ 102 or Equivalent. Four lec and one 1-hr lab a wk.
Coreq: Germ 201
Japn 101L Elementary Japanese I Lab (1 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Japn 101

Japn 102L Elementary Japanese II Lab (1 cr)
Writing system, pronunciation, vocabulary, and functional grammar. Four lec and one 1-hr lab a wk.
Coreq: Japn 102

Japn 201L Intermediate Japanese I Lab (1 cr)
A beginning intermediate course; review and practice of basic language skills; increased emphasis on reading and free discussion. Four lec and one 1-hr lab a wk.
Coreq: Japn 201

4. Add the following language regarding vertically-related Chinese courses:

Vertically-related courses in this subject field are: Chin 110-Chin 112-Chin 210-Chin 212. A maximum of 16 credits may be earned for vertical credit in any language, in the Department of Modern Languages and Cultures.

5. Make the following curricular changes to the French Minor:

| Fren 101, Fren 101L | Elementary French I and Lab (45 cr) |
| Fren 102, Fren 102L | Elementary French II and Lab (45 cr) |
| Fren 201, Fren 201L | Intermediate French I and Lab (45 cr) |
| Fren 202 | Intermediate French II (4 cr) |

Nine credits of upper-division French courses (not including lab-based or FLEN courses, or lit/film in translation courses) (9 cr) Students must complete 6 of these 9 credits of upper-division coursework at the University of Idaho to complete the French minor.

Courses to total 20 credits for this minor

6. Change the following vertically-related French courses:

Vertically-related courses in this subject field are: Fren 101/101L-Fren 102/102L-Fren 201/201L-Fren 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above: Fren 301 or Fren 302. A maximum of 16 credits may be earned for vertical credit in any language, in the Department of Modern Languages and Cultures.

7. Make the following changes to the German Minor:

| Germ 101, Germ 101L | Elementary German I and Lab (45 cr) |
| Germ 102, Germ 102L | Elementary German II and Lab (45 cr) |
| Germ 201, Germ 201L | Intermediate German I and Lab (45 cr) |
| Germ 202 | Intermediate German II (4 cr) |

Nine credits of upper-division German courses (not including lab-based or FLEN courses, FLEN, or lit/film in translation courses) (9 cr) Students must complete 6 of these 9 credits of upper-division coursework at the University of Idaho to complete the German minor.

Courses to total 20 credits for this minor

8. Change the following vertically related German courses:
Vertically-related courses in this subject field are: Germ 101/101L-Germ 102/102L-Germ 201/201L-Germ 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above: Germ 301 or Germ 302. A maximum of 16 credits may be earned for vertical credit in any language, in the Department of Modern Languages and Cultures.

9. Change the following vertically-related Japanese courses:

Vertically-related courses in this subject field are: Japn 101/101L-Japn 102/102L-Japn 201/201L-Japn 202. A maximum of 16 credits may be earned for vertical credit in any language, in the Department of Modern Languages and Cultures.

10. Make the following curricular changes to the Spanish Minor:

Span 101, Span 101L Elementary Spanish I and Lab (45 cr)
Span 102, Span 102L Elementary Spanish II and Lab (45 cr)
Span 201, Span 201L Intermediate Spanish I and Lab (45 cr)
Span 202 Intermediate Spanish II (4 cr)

Nine credits of upper-division Spanish courses including Span 301 and Span 302, but not including lab-based or FLEN courses, FLEN, or lit/fil in translation courses. (9 cr) Students must complete 6 of these 9 credits of upper-division coursework at the University of Idaho to complete the Spanish minor.

Courses to total 20 credits for this minor

11. Change the following vertically-related Spanish courses:

Vertically-related courses in this subject field are: Span 101/101L-Span 102/102L-Span 201/201L-Span 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above: Span 301 or Span 302. A maximum of 16 credits may be earned for vertical credit in any language, in the Department of Modern Languages and Cultures.

MUSIC

1. Add the following courses:

MusX J320/J520 Alexander Technique I (1 cr)
An active and scholarly exploration of the Alexander Technique. Participants will discover how their habits of movement are interfering with their overall coordination. The purpose of this course is to unlock creativity, discover freedom and ease in performance, reduce stress and tension throughout the body, and prevent performance related injuries.

MusX 520 Alexander Technique I (1 cr)
See MusX J320/J520.

MusX J330/J530 Continuing Studies in the Alexander Technique (1 cr, max arr)
Continuation of study of the Alexander Technique for musicians, actors and dancers. Prereq: MusX J320/J520.

MusX 530 Continuing Studies in the Alexander Technique (1 cr, max arr)
See MusX J330/J530.

MusX 410 Current Topics in Music Business (3 cr)
This course will focus on the current topics and trends common to the many areas that fall under the umbrella of Music Business. Topics will include: career niches and opportunities, press
kit/introduction materials (bios, resume, CV, cover letters, business cards, headshots), the audition process, touring, branding, marketing and advertising oneself or a group, copyright laws, publications, social media and online presence, taxes, and professional ethics.

2. Change the following courses:

   MusC 260225 Introduction to Composition (1 cr2 cr, max arr)
   Fundamentals of musical composition, using short original composition assignments to focus on common techniques used by past and contemporary composers and to develop skill in manuscript and notation. Active participation and performance is emphasized. (Spring only)
   **Prereq or Coreq:** MusC 244114 or Permission

   MusC 328 Instrumental and Choral Arranging (23 cr)
   Principles of instrumentation, transcription, and arranging with emphasis on idiomatic instrumental and choral writing leading to projects in scoring for chamber, band, orchestral, and vocal ensembles. (Spring only)
   **Prereq:** “C” or better in MusC 240 and 242

   MusC 425 Composition (2 cr, max arr)
   Creative writing with increasing emphasis on varied media and larger forms, but with value being placed on creativity and originality. Weekly meetings both in a composition seminar and an individual lesson.
   **Prereq:** completion of all required course work for the Music Education: Vocal or Instrumental, or Vocal-Instrumental major, cumulative GPA of 2.75, acceptance to the College of Education and permission of the School of Music.
   **Coreq:** MusT 445

3. Make the following changes to the Music Undergraduate Curricular Requirements:

   **Ensemble Participation.** An undergraduate music major must: (1) earn a minimum of eight credits in ensemble participation to be eligible for graduation and (2) enroll in an ensemble during each semester of full-time study. Various requirements are contained in the specific curricula. For curricular purposes, "major ensemble" is defined to mean MusA 116/316 Concert Choir - Vandaleers, 117/317 University Chorus, 119/319 Marching Band, 121/321 Concert Band, 122/322 Orchestra, or 320 Wind Ensemble. Other ensembles (listed in some curricula under “Chamber Music”) consist of MusA 118/318 Jazz Choir, 315 Accompanying, 323 Jazz Ensemble, 365 Chamber Ensemble, and 380 Opera/Musical Theatre Studio. For students in the B.A. or B.S. in Applied Music or the B.Mus. in Music Business, the following minimum requirements apply depending on the primary applied area of the student:

   - **Orchestral Instrument:** six credits in instrumental major ensemble and two additional credits in any instrumental ensemble.
   - **Voice:** six credits in vocal major ensemble and two additional credits in any vocal ensemble.
   - **Keyboard:** two credits in any major ensemble, four credits in MusA 315 Accompanying, and two credits in MusA 365 Chamber Ensemble.
   - **Guitar:** four credits in any major ensemble and four credits in MusA 365-02 Chamber Ensemble: Guitar Ensemble.
For students in the B.Mus. in Music: Business, the following minimum requirements apply depending on the primary applied area of the student:

**Orchestral Instrument:** four credits in instrumental major ensemble and four additional credits in any instrumental ensemble.

**Voice:** four credits in vocal major ensemble and four additional credits in any vocal ensemble.

**Keyboard:** two credits in any major ensemble, two credits in MusA 315 Accompanying, and four credits in any ensemble.

**Guitar:** four credits in any major ensemble and four credits in MusA 365-02 Chamber Ensemble: Guitar Ensemble.

Transfer students must have a minimum of four semesters of ensemble participation at UI, at least two of which must be in a major ensemble.

Upper-Division Standing (UDS). For a B.Mus., B.A., and B.S. music major to enroll in MusA 324, or MusA 334, or MusC 425, the student must have been granted upper-division standing (UDS). Students applying for UDS must:

1. have completed with a "C" or better, or be currently enrolled in, MusC 242 Music Theory IV, MusH 111 Introduction to Music Literature and the courses listed in one of the following scenarios: (A). MusA 246 Class Piano and MusC 240 Aural Skills IV; (B). MusA 146 Class Piano and MusC 240 Aural Skills IV; or (C). MusA 246 Class Piano and MusC 140 Aural Skills II

2. have passed a special jury examination demonstrating the mastery of the fundamentals of the student's major area of performance/composition and the potential to continue improving in a manner that will lead to the successful completion of performance/composition requirements of the degree and major emphasis (the jury examination requirement must be met, regardless of double majors, before a student can enroll in MusA 324 or MusA 334).

4. Make the following changes to the **Music Composition Major** (B.Mus.)

Required course work includes the university requirements (see regulation J-3) and:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MusA 114</td>
<td>Studio Instruction (secondary performing medium; if major primary performing medium is other than piano, piano is suggested for the minor secondary area) (2 cr)</td>
</tr>
<tr>
<td>MusA 115</td>
<td>Studio Instruction (2 cr) (primary performing medium)</td>
</tr>
<tr>
<td>MusA 124</td>
<td>Studio Instruction (6 cr) (primary performing medium)</td>
</tr>
<tr>
<td>MusA 145</td>
<td>Piano Class for Music Majors/Minors (1 cr)</td>
</tr>
<tr>
<td>MusA 146</td>
<td>Piano Class for Music Majors/Minors (1 cr)</td>
</tr>
<tr>
<td>MusA 245</td>
<td>Piano Class for Music Majors/Minors (1 cr)</td>
</tr>
<tr>
<td>MusA 246</td>
<td>Piano Class for Music Majors/Minors (1 cr)</td>
</tr>
<tr>
<td>MusA 314</td>
<td>Studio Instruction (primary performing medium) (2 cr)</td>
</tr>
<tr>
<td>MusA 324</td>
<td>Studio Instruction (4 cr)</td>
</tr>
<tr>
<td>MusA 387</td>
<td>Conducting I (2 cr)</td>
</tr>
<tr>
<td>MusC 139</td>
<td>Aural Skills I (2 cr)</td>
</tr>
<tr>
<td>MusC 140</td>
<td>Aural Skills II (2 cr)</td>
</tr>
<tr>
<td>MusC 141</td>
<td>Theory of Music I (2 cr)</td>
</tr>
<tr>
<td>MusC 142</td>
<td>Theory of Music II (2 cr)</td>
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General Curriculum Report #283
UNIVERSITY OF IDAHO – OFFICE OF THE REGISTRAR
March 11, 2016

MusC 260225  Introduction to Composition (4 cr)
MusC 239   Aural Skills III (1 cr)
MusC 240   Aural Skills IV (1 cr)
MusC 241   Theory of Music III (3 cr)
MusC 242   Theory of Music IV (3 cr)
MusC 328   Instrumental and Choral Arranging (32 cr)
MusC 331   Counterpoint (3 cr)
MusC 425   Composition (8 cr)
MusC 426   Electronic Music (2 cr)
MusC 442   Musical Analysis (2 cr)
MusC 490   Senior Recital (0 cr)
MusH 111   Introduction to Music Literature (3 cr)
MusH 321   Music in Western Civilization I (3 cr)
MusH 322   Music in Western Civilization II (3 cr)
MusH 323   Music in Western Civilization III (3 cr)
MusX 101   Orientation for Music Majors (0 cr)
MusX 140   Recital Attendance (seven semesters) (0 cr)
MusH elective at the 400-level (3 cr)

Major ensemble (eight different semesters chosen from MusA 116/MusA 316 Concert Choir - Vandaleers, MusA 117/MusA 317 University Chorus, MusA 119/MusA 319 Marching Band, MusA 121/MusA 321 Concert Band, MusA 122/MusA 322 Orchestra or MusA 320 Wind Ensemble) (Keyboard majors: six semesters of major ensembles in addition to two semesters of MusA 315 Collaborative Piano and/or MusA 365 Keyboard Ensemble) (Guitar majors: six semesters of major ensembles and two semesters of MusA 365 Guitar Ensemble) (8 cr)

Chamber music (two different semesters chosen from MusA 118/MusA 318 Jazz Choir, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester) (2 cr)

In addition to the requirements above, music electives (4 cr) to complete reach a total of 82-84 cr in music.

Courses to total 128-120 credits for this degree

ORGANIZATIONAL SCIENCES

1. Add the following courses:

ORGS 323 Messaging for Small Organizations (1 cr)
An evaluation of the inexpensive, everyday messaging tools available to smaller organizations that can be used for issue advocacy, service/product promotion, community cohesion, and the like. The course will cover current network applications and their effectiveness including, but not limited to, social media tools.

ORGS 494 (s) Research Experience in Organizational Sciences (cr arr, max 16)
Supervised experience in conducting research in organizational performance/organizational behavior. Topics vary depending on match of student interests to those of current faculty or qualified affiliates. May include research with local business, agencies, or other entities under joint supervision of faculty and entity sponsor. Recommended preparation: ORGS 444 and consultation with ORGS advisor. 
Prereq: Sophomore standing or higher

2. Change the following courses:
ORGS 320220 Budgeting for Small Organizations (1 cr)
A basic introduction to budgets and the budgeting process, focusing on how to prepare, interpret, use, and manage organizational budgets to increase students' likelihood of future success.

ORGS 322222 Workplace Soft Skills (1 cr)
Overall organizational performance often depends as much on soft skills (worker social skills and emotional intelligence, communication abilities, and worker professionalism) as it does on hard skills (abilities with the immediate tasks). This course reviews the evidence on the impact of soft skills.

ORGS 321221 Workplace Motivation (1 cr)
A review of the issues that affect worker motivation. Evidence and practical implications of forces such as workplace incentives, social and physical environment, organizational structure and tasks, external factors, and individual differences will be considered.

3. Make the following curricular changes to the Organizational Dynamics Undergraduate Certificate:

Three credits from the following (3 cr):

OrgS 210 Introduction to Organizational Sciences (1 cr)
OrgS 220 Budgeting for Small Organizations (1 cr)
OrgS 221 Workplace Motivation (1 cr)
OrgS 222 Workplace Soft Skills (1 cr)

OrgS 323 Messaging for Small Organizations (1 cr)

Nine credits from the following (9 cr):

Comm 410 Conflict Management (3 cr)
Comm 456 or JAMM 456 Nonprofit Fundraising (3 cr)
OrgS 110 Governance in Small Organizations (3 cr) (Reserved for leaders of student & community groups at the UI or dual enrolled)
OrgS 155 Financial Literacy (3 cr)
OrgS 305 Nonprofit Organizations (3 cr)
PolS 451 Public Administration (3 cr)
Psyc 441 or OrgS 441 Human Relations in the Workplace (3 cr)

Three credits of Comm, OrgS, PolS, Psyc 400, 404, 494, 498, or 499 may be substituted for one of the above courses with the approval of the Director of Organizational Sciences

Courses to total 12 credits for this certificate

MATHEMATICS

1. Change the following course:

Math 386 Theory of Numbers (3 cr)
Elementary number theory, including divisibility properties, congruences, and Diophantine equations. Second course on number theory, including a historical treatment of efforts to answer basic questions on the density and possible forms of prime numbers. Topics may include: quadratic reciprocity, cubic reciprocity, quadratic forms, genus theory, higher reciprocity laws, Hilbert class field, the prime number theorem, Dirichlet's theorem on primes in an arithmetic progression, elliptic curves, and modular forms.
Prereq: Math 175 or PermissionMath 215

PHYSICS
1. Change the following courses:

   **Phys 211L Engineering Laboratory Physics I Lab (1 cr)**
   *Gen Ed: Natural and Applied Sciences*
   Kinematics and dynamics, Newton's laws, work and energy, rotational dynamics, linear and angular momentum, collisions, static equilibrium, oscillations, gravity, and central forces, and thermodynamics. One 2-hr lab a per wk.
   **Coreq:** Phys 211

   **Phys 212L Engineering Laboratory Physics II Lab (1 cr)**
   *Gen Ed: Natural and Applied Sciences*
   Electric fields and potentials, magnetic fields, capacitance and inductance, DC and AC circuits, electromagnetic waves, mechanical waves, and geometric optics. One 2-hr lab a per wk.
   **Coreq:** Phys 212

   **Phys 321 Analytical Mechanics (3 cr)**
   Review of single-particle kinematics and dynamics; linear oscillations; Lagrangian dynamics; orbital dynamics; motion in non-inertial systems; space rotation of rigid bodies.
   **Prereq:** Phys 212 and Phys 212L and Math 275
   **Coreq:** Math 310

   **Phys 351 Introductory Quantum Mechanics I (3 cr)**
   One-dimensional theory; free particle, bound states, potential barriers, harmonic oscillator, matrix methods, and Dirac notation; interpretations of quantum theory.
   **Prereq:** Phys 305, 371
   **Coreq:** Math 330

2. Drop the following course:

   **Phys 213L Engineering Physics III Lab (1 cr)**
   Fluid dynamics, waves in elastic media, sound waves, temperature, heat and thermodynamics, kinetic theory, geometric and physical optics. One 2-hr lab a wk. (Spring only)
   **Coreq:** Phys 213

3. Make the following changes to the **Physics Major** (B.A.):

   Required course work includes the university requirements (see regulation J-3) and:

   Chem 111 Principles of Chemistry I (4 cr)
   Chem 112 Principles of Chemistry II (5 cr)
   **CS 120 Computer Science I (4 cr)**
   Math 170 Analytic Geometry and Calculus I (4 cr)
   Math 175 Analytic Geometry and Calculus II (4 cr)
   Math 275 Analytic Geometry and Calculus III (3 cr)
   Phys 200 Physics Seminar (1 cr)
   **Phys 211, Phys 211L Engineering Physics I and Lab (43 cr)**
   **Phys 211L Laboratory Physics I (1 cr)**
   **Phys 212, Phys 212L Engineering Physics II and Lab (43 cr)**
   **Phys 212L Laboratory Physics II (1 cr)**
   **Phys 213, Phys 213L Engineering Physics III and Lab (43 cr)**
   Phys 305 Modern Physics (3 cr)
   Phys 321 Analytical Mechanics (3 cr)
   Phys 341 Electromagnetic Fields I (3 cr)
Physics elective courses numbered 300 or above (11 cr)

Mathematics upper-division elective courses (6 cr)

3 credits in the humanities, in a course numbered 300 or above in addition to the minimum university-wide general education requirements.*

3 credits in the social sciences, in a course numbered 300 or above in addition to the minimum university-wide general education requirements.*

4 credits in any course(s) numbered 300 or above approved by student’s advisor

Courses to total 120 credits for this degree

4. Make the following changes to the Physics Major (B.S.):

Required course work includes the university requirements (see regulation J-3) and:

Chem 111 Principles of Chemistry I (4 cr)
Chem 112 Principles of Chemistry II (5 cr)
CS 120 Computer Science I (4 cr)
Math 170 Analytic Geometry and Calculus I (4 cr)
Math 175 Analytic Geometry and Calculus II (4 cr)
Math 275 Analytic Geometry and Calculus III (3 cr)
Math 310 Ordinary Differential Equations (3 cr)
Math 330 Linear Algebra (3 cr)
Phys 200 Physics Seminar (1 cr)
Phys 211, Phys 211L Engineering Physics I and Lab (43 cr)
Phys 212, Phys 212L Laboratory Physics I (1 cr)
Phys 212, Phys 212L Engineering Physics II and Lab (43 cr)
Phys 212L Laboratory Physics II (1 cr)
Phys 213, Phys 213L Engineering Physics III and Lab (43 cr)
Phys 305 Modern Physics (3 cr)
Phys 321 Analytical Mechanics (3 cr)
Phys 341 Electromagnetic Fields I (3 cr)
Phys 351 Introductory Quantum Mechanics I (3 cr)

And one of the following emphases:

A. General Physics Emphasis

Phys 333 Statistical Thermodynamics (3 cr)
Phys 342 Electromagnetic Fields II (3 cr)
Phys 371 Mathematical Physics (3 cr)
Upper-division mathematics electives (6 cr)

Physics elective courses numbered 400 or above (15 cr including at least 4 cr of lab and 9 cr of non-lab courses)

Courses to total 120 credits for this degree

B. Applied Physics Emphasis

Math 310 Ordinary Differential Equations (3 cr)
Math 330 Linear Algebra (3 cr)
Phys 411  Advanced Physics Lab (4 cr)

Four credits from the following: of upper-division lab work in physics and engineering
Phys 490 Research (1-6 cr, max 6)
Phys 492 Senior Research (1 cr)

Physics and engineering electives (27 credit, of which at least 21 credits must be upper-division and at least 9 credits must be 400-level and 21 credits must come from the following: ECE 350 + ECE 351, ECE 460, ECE 462, Engr 210, Engr 240, Engr 335, Engr 350, ME 301, ME 412, ME 413, ME 420, MSE 201, MSE 313, MSE 427, MSE 464, Phys 333, Phys 407, Phys 428, Phys 438, Phys 443, Phys 444, Phys 464, Phys 490, Phys 492.)

Courses to total 120 credits for this degree

5. Make the following changes to the Physics Major (M.S.):

Master of Science. Major in Physics. (Non-thesis Option) General M.S. non-thesis requirements apply. The requirement is a minimum of 30 credits in coursework and the credits must be distributed as follows: (1) 20 cr in physics courses numbered 500 and higher (including 2 cr for Phys 501 and no more than three credits from Phys 599); (2) 10 cr in courses numbered 400 and higher (these may be non-physics courses upon the approval of the physics department Academic Standards Committee). Phys 521, Phys 533, Phys 541, Phys 542, and Phys 550 are required.

Students must pass a comprehensive examination, which must be taken at the first offering after the student has completed the core courses required for the M.S. degree. Full-time students may not delay the completion of their core course requirements by avoiding the taking of a core course when offered except with the prior written consent of the Academic Standards Committee and the student's major professor. The examination is written and covers all of general graduate-level physics as defined by the required courses for the M.S. degree. Typically, it will be administered on two different days, with a time limit of approximately three hours for each day. The results of the examination will be evaluated by the physics faculty. If the comprehensive examination is failed, it may be repeated only once; the repeat examination must be taken within a period of not less than three nor more than 14 months following the first attempt.

Master of Science. Major in Physics. (Thesis Option) General M.S. requirements for a degree with thesis apply. The student must complete a total of at least 30 credits at 400 level or higher, 20 of which must be at the graduate level, including a maximum of 10 credits in research and thesis, with no more than three of these credits from Phys 599. Specific departmental graduate course requirements are 2 credits in Phys 501 and Phys 521, Phys 541, Phys 542, and Phys 550. If a student's undergraduate preparation is considered deficient (e.g., if it lacks laboratory experience at the upper-division level), then certain undergraduate courses will be required in the study plan. Such remedial credits are not to be counted towards the total required for the degree. No departmental comprehensive exam is required.

A final defense of the M.S. thesis is scheduled upon completion of the thesis. The candidate is required to defend his or her work and show a satisfactory knowledge of the field in which the thesis research has been performed. The defense is oral and would typically last for one hour. The exam has to be announced to the physics faculty at least one week in advance. All members of the physics faculty are permitted to attend and ask questions. A recommendation of a majority of the student's graduate committee is necessary to pass the defense. If the defense is failed, it may be repeated only once; the repeat defense must be taken within a period of not less than three months nor more than one year following the first attempt.

6. Make the following changes to the Physics Major (Ph.D.):
Doctor of Philosophy. Major in Physics. General Ph.D. requirements apply. Correspondence concerning the student's specific goals is encouraged in the preliminary planning of the Ph.D. program.

Specific departmental course requirements are: Phys 501 (2 cr), Phys 521, Phys 533, Phys 541, Phys 542, Phys 550, Phys 551, Phys 571, and at least nine additional semester-hours of physics courses at the 500 level (including at most three credits of Phys 599). A typical study plan would include 40 to 50 credits of course work at the 500 level in physics and about 30 credits in research and thesis. The study plan also would include at least six units of upper-division or graduate course work outside of physics. The nature and number of these additional units will depend upon the professional goals of the individual student. In planning a program, the student should consult with the departmental Academic Standards Committee for approval of any particular choice of nonphysics course work. The Ph.D. degree in physics is primarily a recognition of ability and accomplishment in research. The purpose of the course work is to provide the factual and theoretical background for research. Successful completion of course work is not in itself considered as completion of the major requirement for the degree.

All Ph.D. graduate students are required to enroll in Phys 501 (Physics Seminar) each semester while in residence.

No formal foreign language requirement exists for Ph.D. candidates; however, in individual cases, depending on the research topic, a reading knowledge in one foreign language may be required by the thesis advisor.

A two-Part preliminary examination is required. Part I is taken after the student has completed the courses required for the Ph.D. degree. Full-time students must take this exam no later than 2 years after entering the Ph.D. program. Students who have earned a masters degree in physics or wish to transfer credits to satisfy any of the departmental requirements (Phys 521, Phys 533, Phys 541, Phys 542, Phys 550, Phys 551, or Phys 571) may be required by the Academic Standards Committee to take the exam earlier. The examination is written and covers all of general graduate-level physics as defined by the required courses for a Ph.D. degree. Typically, it will be administered on two different days, with a time limit of approximately five hours for each day. The results of the examination will be evaluated by the physics faculty. If the preliminary examination, Part I, is failed, it may be repeated only once; the repeat examination must be taken within a period of not less than three months nor more than 14 months following the first attempt.

Part II of the preliminary examination is set by the major professor of the Ph.D. student for a date within the second semester after Part I has been passed. The student is required to explain the goals of his or her planned Ph.D. research to the thesis committee and show general familiarity with the fields relevant for the research. Part II is oral and would typically last for one hour. The exam is to be announced to the physics faculty at least one week in advance. All members of the physics faculty are permitted to attend and ask questions. The student's committee certifies to the Graduate College the results of the preliminary examinations. Upon passing, the student is advanced to candidacy for the Ph.D. degree. If Part II is failed, it may be repeated only once; the repeat examination must be taken within a period of not less than three months nor more than one year following the first attempt.

A final defense of the Ph.D. thesis is scheduled upon completion of the dissertation. The candidate is required to defend his or her work and show a superior knowledge of the field in which the thesis research has been performed. The defense is oral and would typically last for one hour. The exam is to be announced to the physics faculty at least one week in advance. All members of the physics faculty are permitted to attend and ask questions. A recommendation of a majority of the student's graduate committee is necessary to pass the defense. If the defense is failed, it may be repeated only once; the repeat defense must be taken within a period of not less than three months nor more than one year following the first attempt.
PLANT, SOIL AND ENTOMOLOGICAL SCIENCES

1. Change the following courses:

**PISc 205 General Botany (4 cr)**
Growth, development and ecology of plants, fungi, and protists in relation to their environments. Recommended Preparation: Chem 101 and PISc 102. (Spring only)
**Prereq:** Biol 114 or 115

**PISc 207 Introduction to Biotechnology (3 cr)**
Same as Gene 207. Offers an overview of modern biotechnology, focusing on basic concepts and applications of biotechnology with regards to plants, animals, environment and microorganisms, and medicine. Recommended preparation: Chem 101 or Chem 111. (Fall, alt even/yr)

**PISc 440 Advanced Laboratory Techniques (4 cr)**
Same as Gene 440. Intensive hypothesis-driven laboratory course that will prepare the student for research in molecular biology; emphasis on areas of microbial physiology, microbial genetics, immunology, and pathogenic microbiology. (Spring only)
**Prereq:** BIOL 250.

**PISc J476/J576 Cell Biology (3 cr)**
Introduction to the organization and function of the major components of the eukaryotic cell; emphasis on the composition of cells, the structures and assembly processes of molecules that make up cells, and how common interacting processes are coordinately controlled. Extra written assignments reqd for graduate credit. (Spring, Alt/yr)
**Prereq:** Biol 115 and either Biol 300 or Biol 380.

**PISc J486/J586 Plant Biochemistry (3 cr)**
An in-depth introduction to metabolic processes carried out by plants, some fungi, and some alga with emphasis on cell wall synthesis, hormone synthesis, and photosynthesis. Extra oral and/or written assignments reqd for grad cr. (Spring, alt/years)
**Prereq:** Biol 300 or 380.

**PISc J488/J588 Genetic Engineering (3 cr)**
Techniques and theory underlying practical genetic modifications of plants, microbes, and animals. Extra written assignments required for graduate credit. Recommended Preparation: Biol 300 or 380. (Fall only)
**Prereq:** Gene 314 or Biol 310

**PISc 542 Biochemistry (3 cr)**
Intermediate biochemistry; intro to metabolism and the chemical and physical properties of biomolecules. (Fall only)
**Prereq:** Chem 372 and either Biol 300 or 380

**PISc 576 Cell Biology (3 cr)**
See MMBB 475/575.

**PISc 586 Plant Biochemistry (3 cr)**
See MMBB 486/586.

**PISc 588 Genetic Engineering (3 cr)**
See MMBB 488/588.

**Soil J425/J525 Microbial Ecology (3 cr)**
See MMBB J425/J525. Biogeochemical activities and relationships of microorganisms in soil, water, plants, and animals. Extra oral and/or written assignments reqd for grad cr. Recommended Preparat: Math 137 or 143. (Spring, alt/yr).
Prereq: Biol 154 or 250

Soil 525 Microbial Ecology (4 cr)
See MMBB J425/J525Soil 425.

2. Make the following changes to the Sustainable Crop and Landscape Systems Major (B.S.Ag.L.S.):

Required course work includes the university requirements (see regulation J-3) and:

Agricultural and Life Science Core
AgEd 406 Exploring International Agriculture (3 cr)
Soil 205, Soil 206 The Soil Ecosystem and Lab (4 cr)
Stat 251 Statistical Methods (3 cr)

One of the following (2-3cr):
ASM 305 GPS and Precision Agriculture (3 cr)
ASM 412 Agricultural Safety and Health (2 cr)
PlSc 207 Introduction to Biotechnology (3 cr)

One of the following (4cr):
Chem 101 Introduction to Chemistry I (4 cr)
Chem 111 Principles of Chemistry I (4 cr)

One of the following (3-4cr):
Comm 101 Fundamentals of Public Speaking (2 cr)
Engl 207 Persuasive Writing (3 cr)
Engl 313 Business Writing (3 cr)
Engl 316 Environmental Writing (3 cr)
Engl 317 Technical Writing (3 cr)

One of the following (3-4cr):
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
Math 160 Survey of Calculus (4 cr)
Math 170 Analytic Geometry and Calculus I (4 cr)

Sustainable Crop and Landscape Systems Courses
Biol 115 Cells and the Evolution of Life (4 cr)
Ent 322 General and Applied Entomology (4 cr)
PlSc 102 The Science of Plants in Agriculture (3 cr)
PlSc 400 (s) Seminar (1 cr)
PlSc 438, Soil 438, or ENT 438 Pesticides in the Environment (3 cr)

One of the following (43 cr):
PlSc 415 Plant Pathology (3 cr)
Soil 425 Microbial Ecology (3 cr)

One of the following (4 cr):
Biol 213 Principles of Biological Structure and Function (4 cr)
PlSc 205 General Botany (4 cr)

One of the following (3 cr):
Chem 275 Carbon Compounds (3 cr)
Chem 277  Organic Chemistry I (3 cr)

One of the following (3-5 cr)
Biol 154, Biol 155  Introductory Microbiology and Lab (4 cr)
Biol 250, Biol 255  General Microbiology and Lab (5 cr)
Biol 300  Survey of Biochemistry (3 cr)
Biol 380  Biochemistry I (4 cr)
Chem 253, Chem 254  Quantitative Analysis and Lab (5 cr)

And one of the following emphases:

A. Insects and Society
Biol 114  Organisms and Environments (4 cr)
Biol 312  Molecular and Cellular Biology (3 cr)
Biol 313  Molecular and Cellular Laboratory (1 cr)
Biol 314  Ecology and Population Biology (4 cr)
Chem 112  Principles of Chemistry II (5 cr)
Ent 440  Insect Identification (4 cr)
Ent 441  Insect Ecology (3 cr)

One of the following (3-4 cr):
Biol 310, Biol 315  Genetics and Lab (4 cr)
Gene 314  General Genetics (3 cr)

Biotechnology Electives (3 cr)
Entomology Electives (5 cr)
Life Science Electives (6 cr)
Mathematics Electives (4 cr)
Physics Electives (4 cr)

Courses to total 128 credits for this degree

B. Soil and Land Use
Chem 112  Principles of Chemistry II (5 cr)
CS 112  Computational Thinking and Problem Solving (3 cr)
Geol 101, Geol 101L  Physical Geology and Lab or
Geol 111, Geol 111L  Physical Geology for Science Majors and Lab (4 cr)
Phys 111, Phys 111L  General Physics I and Lab (4 cr)
Phys 112, Phys 112L  General Physics II and Lab (4 cr)
Soil 415  Soil and Environmental Physics (3 cr)
Soil 422  Environmental Soil Chemistry (3 cr)
Soil 425  or MMBB 425  Microbial Ecology (3 cr)
Soil 446  Soil Fertility (3 cr)
Soil 454  Pedology (3 cr)
Soil 499  Directed Study (1 cr)

Courses to total 128 credits for this degree

C. Sustainable Cropping Systems
Gene 314  General Genetics (3 cr)
PISc 338  Weed Control (4 cr)
PISc 401  Plant Physiology (3 cr)
PISc 407  Field Crop Production (3 cr)
PISc 446  Plant Breeding (3 cr)
PISc 480  Field Trip (1 cr)
Soil 446  Soil Fertility (3 cr)

One of the following (1 cr):
Chem 276  Carbon Compounds Lab (1 cr)
Chem 278  Organic Chemistry I: Lab (1 cr)

One of the following (3 cr):
PlSc 398  Internship (3 cr)
PlSc 499  Directed Study (3 cr)

Sustainable Cropping Systems Electives (17 cr):
PlSc 408  Cereal Science (3 cr)
PlSc 410  Invasive Plant Biology (3 cr)
PlSc 433  Plant Tissue Culture Techniques (3 cr)
PlSc 490  Potato Science (3 cr)
Stat 431  Statistical Analysis (3 cr)

Courses to total 120 credits for this degree

D. Environmental Horticulture
Gene 314  General Genetics (3 cr)
PlSc 201  Principles of Horticulture (3 cr)
PlSc 300  Plant Propagation (3 cr)
PlSc 338  Weed Control (4 cr)
PlSc 401  Plant Physiology (3 cr)
Soil 446  Soil Fertility (3 cr)

One of the following (1 cr):
Chem 276  Carbon Compounds Lab (1 cr)
Chem 278  Organic Chemistry I: Lab (1 cr)

One of the following (3 cr):
PlSc 398  Internship (3 cr)
PlSc 499  Directed Study (3 cr)

Environmental Horticulture Electives (15 cr):
PlSc 340  Nursery Management (3 cr)
PlSc 341  Nursery Management Laboratory (1 cr)
PlSc 433  Plant Tissue Culture Techniques (3 cr)
PlSc 451  Vegetable Crops (3 cr)
PlSc 464  Landscape Maintenance (3 cr)
PlSc 490  Potato Science (3 cr)

Courses to total 120 credits for this degree

E. Plant Biotechnology
Chem 112  Principles of Chemistry II (5 cr)
Chem 278  Organic Chemistry I: Lab (1 cr)
Gene 314  General Genetics (3 cr)
\textbf{PlSc 486}  Plant Biochemistry (3 cr)
\textbf{PlSc 488}  Genetic Engineering (3 cr)
PlSc 401  Plant Physiology (3 cr)
PlSc 433  Plant Tissue Culture Techniques (3 cr)
PlSc 440  Advanced Laboratory Techniques (4 cr)
PlSc 446  Plant Breeding (3 cr)
One of the following (3 cr):
PlSc 398  Internship (3 cr)
PlSc 402  Undergraduate Research in Plant Science (3 cr)
PlSc 499  Directed Study (3 cr)

Plant Biotechnology Electives (12 cr):
Biol 250  General Microbiology (3 cr)
Biol 255  General Microbiology Lab (2 cr)
Biol 312  Molecular and Cellular Biology (3 cr)
Biol 313  Molecular and Cellular Laboratory (1 cr)
Biol 382  Biochemistry I Laboratory (2 cr)
Biol 444  Genomics (3 cr)
MMBB Biol 485  Prokaryotic Molecular Biology (3 cr)
MMBB Biol 487  Eukaryotic Molecular Genetics (3 cr)
PlSc 338  Weed Control (4 cr)
PlSc 407  Field Crop Production (3 cr)
PlSc 451  Vegetable Crops (3 cr)
PlSc 476  Cell Biology (3 cr)
PlSc 490  Potato Science (3 cr)
Soil 446  Soil Fertility (3 cr)

Courses to total 120 credits for this degree

POLITICAL SCIENCE

1. Make the following changes to the Political Science Major (B.S.):

   The B.S. degree emphasizes methodology and requires increased course work in behavioral research methods. Political Science majors must have a minimum of 35 credits in Political Science courses with at least 23 of those credits coming in upper-division courses. Course work also includes the university requirements (see regulation J-3), the general requirements for the B.S. degree, and:

   PolS 101  Intro to Political Science and American Government (3 cr)
   PolS 235  Political Research Methods and Approaches (3 cr)
   PolS 425  History of Political Philosophy I or II (3 cr)
or PolS 426
   Stat 251  Statistical Methods (3 cr)
American Politics (6 cr):
   PolS 275  American State and Local Government (3 cr)
   PolS 331  American Political Parties and Elections (3 cr)
   PolS 332  American Congress (3 cr)
   PolS 333  American Political Culture (3 cr)
   PolS 335  American Interest Groups & Social Movements (3 cr)
   PolS 360  Law and Society (3 cr)
   PolS 364  Politics of the Environment (3 cr)
   PolS 428  American Political Thought (3 cr)
   PolS 437  American Presidency (3 cr)
   PolS 451  Public Administration (3 cr)
   PolS 452  Administrative Law and Regulation (3 cr)
   PolS 462  Natural Resource Policy (3 cr)
   PolS 467  Constitutional Law (3 cr)
   PolS 468  Civil Liberties (3 cr)
   PolS 469  The Judicial Process (3 cr)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PolS 471</td>
<td>Intergovernmental Relations (3 cr)</td>
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<tr>
<td>PolS 472</td>
<td>Local Government Politics and Administration (3 cr)</td>
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<tr>
<td>PolS 205</td>
<td>Introduction to Comparative Politics (3 cr)</td>
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<tr>
<td>PolS 237</td>
<td>International Politics (3 cr)</td>
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<tr>
<td>PolS 338</td>
<td>American Foreign Policy (3 cr)</td>
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<tr>
<td>PolS 381</td>
<td>European Politics (3 cr)</td>
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<tr>
<td>PolS 410</td>
<td>Game Theory (3 cr)</td>
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<tr>
<td>PolS 420</td>
<td>Introduction to Asian Politics (3 cr)</td>
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<tr>
<td>PolS 423</td>
<td>Politics, Policy and Gender (3 cr)</td>
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<tr>
<td>PolS 440</td>
<td>International Organizations and International Law (3 cr)</td>
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<tr>
<td>PolS 449</td>
<td>World Politics and War (3 cr)</td>
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<tr>
<td>PolS 473</td>
<td>Sustainable Community Development Planning (3 cr)</td>
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<tr>
<td>PolS 480</td>
<td>Politics of Development (3 cr)</td>
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<tr>
<td>PolS 487</td>
<td>Political Violence and Revolution (3 cr)</td>
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<tr>
<td>Bus 350</td>
<td>Management Information Systems (3 cr)</td>
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<tr>
<td>Bus 439</td>
<td>Systems and Simulation (4 cr)</td>
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<tr>
<td>Bus 453</td>
<td>Database Design (3 cr)</td>
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<tr>
<td>Comm 455</td>
<td>Communication Research Methods (3 cr)</td>
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<tr>
<td>Econ 453</td>
<td>Econometrics (3 cr)</td>
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<tr>
<td>Geog 385</td>
<td>GIS Primer (3 cr)</td>
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<td>Geog 475</td>
<td>Intermediate GIS (3 cr)</td>
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<td>Hist 290</td>
<td>The Historian's Craft (3 cr)</td>
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<td>Phil 202</td>
<td>Introduction to Symbolic Logic (3 cr)</td>
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<tr>
<td>Phil 450</td>
<td>Ethics in Science (3 cr)</td>
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<tr>
<td>Pols 410</td>
<td>Game Theory (3 cr)</td>
<td></td>
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<tr>
<td>Pols 435</td>
<td>Advanced Political Science and Research Methods (3 cr)</td>
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<tr>
<td>Psyc 218</td>
<td>Introduction to Research in the Behavioral Sciences (4 cr)</td>
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</tbody>
</table>

Courses in upper-division related fields (20 cr)

Courses to total 120 credits for this degree

Note: A maximum of 6 credits of political science internship and/or directed study courses may be counted toward meeting the political science credit requirements.

Political Science (B.S.)

The B.S. degree requires increased course work in behavioral research methods. Political Science majors must have a minimum of 39 credits in Political Science courses with at least 21 of those credits coming in upper-division courses. Course work also includes the university requirements (see regulation J-3), the general requirements for the B.S. degree, and:

Political Science Core Requirements: 21 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PolS 101</td>
<td>Introduction to Political Science and American Government (3 cr)</td>
<td></td>
</tr>
<tr>
<td>PolS 235</td>
<td>Political Research Methods and Approaches (3 cr)</td>
<td></td>
</tr>
<tr>
<td>PolS 336</td>
<td>Political Research Methods and Approaches II (3 cr)</td>
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</tbody>
</table>

Three of five introductory courses:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PolS 205</td>
<td>Introduction to Comparative Politics (3 cr)</td>
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<tr>
<td>PolS 207</td>
<td>Introduction to Political Behavior (3 cr)</td>
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<tr>
<td>PolS 208</td>
<td>Introduction to Political Philosophy (3 cr)</td>
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<tr>
<td>PolS 209</td>
<td>Introduction to Public Policy (3 cr)</td>
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<tr>
<td>PolS 237</td>
<td>Introduction to International Politics (3 cr)</td>
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<tr>
<td>PolS 490</td>
<td>Senior Seminar (3 cr) (senior standing or 24 credit hours in political science)</td>
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</tbody>
</table>

Additional Political Science Upper Division Requirements: 18 credits

Students may focus their interests in political science by choosing among courses in the following core areas. The allocation of these courses is subject to the approval of the faculty advisor. A maximum of 6 credits of political science internship and/or directed study courses may be counted toward meeting these political science credit requirements.

1. American Political Institutions & Behavior
   - PolS 332 American Congress (3 cr)
   - PolS J437/J537 American Presidency (3 cr)
   - PolS J469/J569 The Judicial Process (3 cr)
   - PolS 331 American Political Parties and Elections (3 cr)
   - PolS 335 American Interest Groups & Social Movements (3 cr)
   - PolS 333 American Political Culture (3 cr)
   - PolS 471 Intergovernmental Relations (3 cr)
   - PolS 474 Public Opinion & Behavior

2. Public Administration and Public Policy
   - PolS 364 Politics of the Environment (3 cr)
   - PolS 338 American Foreign Policy (3 cr)
   - PolS 451 Public Administration (3 cr)
   - PolS 462 Natural Resource Policy (3 cr)
   - PolS J439/J539 Public Policy (3 cr)
   - PolS J473/J573 Sustainable Community Development Planning (3 cr)

3. International and Comparative Politics
   - PolS 381 European Politics (3 cr)
   - PolS J410/J510 Game Theory (3 cr)
   - PolS J420/J520 Introduction to Asian Politics (3 cr)
   - PolS J423/J523 Politics, Policy and Gender (3 cr)
   - PolS J449/J549 World Politics and War (3 cr)
   - PolS 440 (s) International Organizations and International Law (3 cr)
   - PolS J441/J541 Genes and Justice: Comparative Biotechnology Policy Formation (3 cr)
   - PolS J480/J580 Politics of Development (3 cr)
   - PolS J487/J587 Political Violence and Revolution (3 cr)

4. Public Law
   - PolS 360 Law and Society (3 cr)
   - PolS J452/J552 Administrative Law and Regulation (3 cr)
   - PolS J467/J567 Constitutional Law (3 cr)
   - PolS J468/J568 Civil Liberties (3 cr)

5. Political Philosophy
   - PolS J425/J525 History of Political Philosophy I (3 cr)
   - PolS J426/J526 History of Political Philosophy II (3 cr)
PolS J426/J526 History of Political Philosophy II (3 cr)
PolS J428/J528 American Political Thought (3 cr)
PolS J429/J529 Contemporary Political Ethics (3 cr)

Seventeen credits in upper-division courses depending on student interest chosen in consultation with your advisor. Thesis and internship credits cannot be used to satisfy this requirement (17 cr)

One additional research methods, math, or science course chosen in consultation with your advisor. This course may be counted as upper-division required course above (3 cr)

Courses to total 120 credits for this degree

PSYCHOLOGY AND COMMUNICATION STUDIES

1. Change the following courses:

Comm 456 Nonprofit Fundraising (3 cr)
Same as JAMM 456. Explores theory and practice of fundraising for nonprofit groups. Surveys public campaigns and communication strategies, fundraising methods, ethics of fundraising, and fundraising leadership/management. Students will develop methods of evaluation for fundraising, and do so by case studies and preparation for fundraising campaigns.

Psyc J345/J545 Group Dynamics (3 cr)
This course will cover the empirical research regarding group dynamics, including topics of leadership, cohesion, team building, statistical analyses of understanding group level data, problem solving, group mood, group creativity, transactive memory, information processing, and other small group processes. Additional projects/assignments required for graduate credit. (Spring, alt/ys)
Prereq: Psyc 101 and Psyc 218

Psyc J441/J541 Human Relations in the Workplace (3 cr)
Same as OrgS J441/J541. Overview of the general theory and methods of organizational effectiveness; focus on how individual or group behavior is affected by the organizational environment; includes topics such as work motivation, leadership, teams, culture/climate, and job attitudes. Additional assignments/projects required for graduate credit. Psyc 541 is a cooperative course available to WSU degree-seeking students.
Prereq: Psyc 101 and Permission

2. Make the following changes to the Psychology Minor:

Note: All courses required for the psychology minor must be completed with a grade of ‘C’ or better.

Psyc 101 Introduction to Psychology (3 cr)

At least one of the following from the following group (3-4 cr):
OrgS 444 Methods and Analysis in Organizational Science (4 cr)
Psyc 218 Introduction to Research in the Behavioral Sciences (4 cr)
Soc 417 Social Data Analysis (3 cr)

At least two courses from each of the following groups (12 cr):
Personal/Social Bases of Behavior
Psyc 305 Developmental Psychology (3 cr)
Psyc 310 Psychology of Personality (3 cr)
Psyc 311 Abnormal Psychology (3 cr)
Psyc 320 Introduction to Social Psychology (3 cr)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Psyc 430</td>
<td>Tests and Measurements (3 cr)</td>
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<td>Biological/Experimental Bases of Behavior</td>
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<tr>
<td>Psyc 325</td>
<td>Cognitive Psychology (3 cr)</td>
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<tr>
<td>Psyc 372</td>
<td>Physiological Psychology (3 cr)</td>
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<tr>
<td>Psyc 390</td>
<td>Psychology of Learning (3 cr)</td>
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<tr>
<td>Psyc 425</td>
<td>Psychology of Action (3 cr)</td>
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<tr>
<td>Psyc 430</td>
<td>Tests and Measurements (3 cr)</td>
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<tr>
<td>Psyc 444</td>
<td>Sensation and Perception (3 cr)</td>
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<tr>
<td>Psyc 456</td>
<td>Psychology of Emotion (3 cr)</td>
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And at least one additional upper-division psychology course (not including Psyc 400, Psyc 403, Psyc 497, or Psyc 499)

**Courses to total 20 credits for this minor**

**STATISTICS**

1. Change the following courses:

**Stat 251 Statistical Methods (3 cr)**

*Gen Ed: Mathematics*

Credit not awarded for Stat 251 after Stat 301 or Stat 416, or for Stat 416 after Stat 251 or Stat 301. Intro to statistical methods including design of statistical studies, basic sampling methods, descriptive statistics, probability and sampling distributions; inference in surveys and experiments, regression, and analysis of variance.

**Prereq:** One of the following: Math 108, Math 137, Math 143, Math 160, Math 170, or Sufficient score on SAT, ACT, or [COMPASS Math Testmath placement test to qualify for registration in Math 130](https://www.uidaho.edu/registrar/registration/placement)

**Stat 416 Statistical Methods for Research (3 cr)**

Credit not awarded for Stat 251 after Stat 301 or Stat 416, or for Stat 416 after Stat 251 or Stat 301. Concepts and methods in quantitative research including observational and experimental study design, point estimation, hypothesis testing, effect size, sample size, causation, one and two-way ANOVA, simple linear regression, interpreting and reporting results.

**Prereq:** One of the following: Math 108, Math 137, Math 143, Math 160, Math 170, or Sufficient score on SAT, ACT, or [COMPASS Math Testmath placement test to qualify for registration in Math 130](https://www.uidaho.edu/registrar/registration/placement)