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.

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Accounting

1. Change the following courses [Effective: Summer 2014]

   - **Acct J415/J515 Advanced Financial Accounting & Reporting (3 cr)**
     In-depth coverage of selected topics in financial accounting designed to introduce students to applied research in the technical literature and enhance students’ ability to interpret and apply accounting standards promulgated by official standard setting entities. May include evening exams. Additional class meetings, projects, and/or assignments required for graduate credit.
     Prereq: Acct 215414 or Graduate Standing

   - **Acct 585 Estate and Elder Planning (3 cr)**
     Gift and estate tax consequences on property transfer during life and at death, tax research, and estate planning, elder planning, and personal financial planning. May include evening exams. Recommended Preparation: Acct 484/584. (Spring only)
     Prereq: Acct 483

   - **Acct 590 Advanced Auditing Seminar (3 cr)**
     Independent auditor’s role, legal responsibilities, and code of conduct; concepts, standards, and methods in audit judgment formulation, includes statistical and other sampling methods and EDP auditing techniques. (Spring only)
     Prereq: Acct 492 and 570

Agricultural Economics and Rural Sociology

1. Drop the following courses [Effective: Summer 2014]

   - **AgEc 361 Farm and Natural Resource Appraisal (3 cr)**
     Methods; factors affecting the value of land and related resources; valuations for loans, sale, assessment, condemnation, and other purposes; procedures used by governmental and commercial agencies. One 1-day field trip. Recommended Preparation: AgEc 278 or Econ 202.

   - **AgEc 383 Economics for Natural Resource Managers (3 cr)**
     Role of economic forces in resource analysis and conservation; planning of forest resource use by the firm and society.
     Prereq: Econ 201 or Econ 202, and Math 143 or Math 160 or Math 170, and For 235; or Permission

Agricultural Education and 4-H Youth Development

1. Add the following course [Effective: Summer 2014]

   - **AgEd 471 Senior Capstone in Agricultural Education (1 cr)**
     This course serves as the senior capstone course for the Bachelors of Science degree in Agricultural Education. The course meetings will include a meeting during the Idaho FFA State Leadership Conference in April, a final presentation, and a senior capstone debriefing meeting at the end of the student-teaching field-experience.
     Prereq: AgEd 470
     Coreq: AgEd 460 and AgEd 461
     Recommended Short Course Title: Senior Capstone in Ag Ed.

2. Change the following courses [Effective: Summer 2014]
AgEd 460 Practicum: Secondary School Teaching in Agriculture (10 cr)

Ten fifteen (15) wks of practical experience student teaching in secondary agriculture program; in addition each student will be expected to complete one wk of early field-based experience at his or her student teaching center, to be completed the first wk of school after Jan. 1; (Spring only)

Prereq: Admission to the Teacher Education Program, and perm of dept

AgEd 461 Student Teaching Portfolio (2 cr)

Summary of the 10-15-week practicum experience; a notebook portfolio to include unit lesson plans, daily teaching plans, videotape example of teaching, report of early field experience, daily journal, summary of 10 positive and 10 challenging teaching experiences, supervisory assessments of teaching by cooperating instructor and university supervisor, and cooperating teacher's final evaluation. (Spring only)

3. Change the curricular requirements of Agricultural Education (B.S.Ag.Ed.) [Effective: Summer 2014]

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 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)
AgEd 460 Practicum: Secondary School Teaching in Agriculture (10 cr)
AgEd 461 Student Teaching Portfolio (2 cr)
AgEd 470 Proseminar in Agricultural Education (2 cr)
AgEd 471 Senior Capstone in Agricultural Education (1 cr)
ASM 107 Beginning Welding (2 cr)
ASM 202 Agricultural Shop Practices (2 cr)
ASM 210 Small Engines (2 cr)
ASM 407 Advanced Welding (1 cr)
Biol 115 Cells and the Evolution of Life (4 cr)
Comm 101 Fundamentals of Public Speaking (2 cr)
Econ 202 Principles of Microeconomics (3 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
Psyc 101 Introduction Psychology (3 cr)

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 course from 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 130 Finite Math (3 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 course from the following (4 cr):
Phys 100 Fundamentals of Physics and Lab (4 cr)
Phys 100L Phys 111 General Physics I and Lab (4 cr)

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 (40 cr)

Natural and applied science electives, which include Chem 101 and Biol 115 (16 cr)
Courses to total **132-128** credits for this degree

**Animal and Veterinary Science**

1. Change the following courses [Effective: Summer 2014]

   **AVS 305 Animal Nutrition (3 cr)**
   Introduction of the concepts and principles of animal nutrition; fundamentals of nutrients and their digestion and metabolism; various biochemical pathways and processes for nutrient utilization; nutrition fundamentals for a range of monogastric and ruminant animals.
   Recommended Preparation: Biol 115 and Chem 111. Cooperative: open to WSU degree-seeking students.
   Prereq: AVS 109

   **AVS 271 Anatomy and Physiology (3 cr)**
   Structure and function of tissues and organ systems of domestic and wild animals.
   Prereq: Biol 115 or MMBB 350

   **AVS 273 Anatomy and Physiology Lab (1 cr)**
   Students will perform dissections and examine the relationship between the organization of tissues and their distinct function within the animal. Field trips may be incorporated should teaching opportunities arise though most instruction will be confined to the Physiology and Anatomy laboratory and classroom. (Fall only)
   Prereq: AVS 109, Biol 115, and Animal and Veterinary Science major
   Coreq: AVS 271

2. Change the status from Dormant to Active for the following course [Effective: Summer 2014]

   **AVS 563 Growth and Lactation (3 cr)**
   See AVS J463/J563.

3. Change the curricular requirements of **Animal and Veterinary Science (B.S.A.V.S.)** [Effective: Summer 2014]

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

   AVS 109 The Science of Animals that Serve Humanity (4 cr)
   AVS 209 Science of Animal Husbandry (4 cr)
   AVS 273, AVS Anatomy and Physiology and Lab (4 cr)
   AVS 305 Animal Nutrition (3 cr)
   AVS 373, AVS Anatomy and Physiology and Lab (4 cr)
   AVS 452 Physiology of Reproduction (4 cr)
   Biol 115 Cells and the Evolution of Life (4 cr)
   Chem 111 Principles of Chemistry (4 cr)
   Comm 101 Fundamentals of Public Speaking (2 cr)
   Stat 251 Statistical Methods (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):
   Math 143 Pre-calculus Algebra and Analytical Geometry (3 cr)
   Math 160 Survey of Calculus (4 cr)
   Math 170 Analytic Geometry and Calculus I (4 cr)

   Complete one of the following four options:

   **A. Business Option**
   Acct 201 Introduction to Financial Accounting (3 cr)
   Acct 202 Introduction to Managerial Accounting (3 cr)
   AgEc 278 Farm and Ranch Management (4 cr)
   AgEc 289 Agricultural Markets and Prices (3 cr)
   AVS 222 Animal Reproduction and Breeding (3 cr)
   AVS 306 Feeds and Ration Formulation (4 cr)
   AVS 363 Animal Products for Human Consumption (4 cr)
   AVS 450 Issues in Animal Agriculture (1 cr)
   BLaw 265 Legal Environment of Business (3 cr)
   Chem 275 Carbon Compounds (3 cr)
   Econ 201 Principles of Macroeconomics (3 cr)
   Econ 202 Principles of Microeconomics (3 cr)
   Business electives (6 cr)
   6 crs of Upper Division Ag Econ

   One of the following (3 cr):

Page 3 of 46
AgEc 301  Managerial Economics: Production (3 cr)
AgEc 302  Managerial Economics: Consumption & Markets (3 cr)

One of the following (3-4 cr):
AVS 222  Animal Reproduction and Breeding (3 cr)
AVS 452  Physiology of Reproduction (4 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):
AVS 472  Dairy Cattle Management (3 cr)
AVS 474  Beef Cattle Science (3 cr)

One of the following (3 cr):
AVS 466  Equine Science and Management (3 cr)
AVS 468  Companion Animal Biology & Management (3 cr)
AVS 472  Dairy Cattle Management (3 cr)
AVS 474  Beef Cattle Science (3 cr)
AVS 476  Sheep Science (3 cr)

Species Production Courses (6 cr from a., or 3 cr from a. and b.):
a. AVS 472 Dairy Cattle Management, AVS 474 Beef Cattle Science, or AVS 476 Sheep Science (3 cr)
b. AVS 466 Equine Science and Management, or AVS 468 Companion Animal Biology & Management (3 cr)

Courses to total 132-120 credits for this degree

B. Dairy Science Option
AgEc 278  Farm and Ranch Management (4 cr)
AgEc 289  Agricultural Markets and Prices (3 cr)
AVS 172  Principles and Practices of Dairy Science (2 cr)
AVS 222  Animal Reproduction and Breeding (3 cr)
AVS 306  Feeds and Ration Formulation (4 cr)
AVS 330  Genetics of Livestock Improvement (3 cr)
AVS 369  Animal Products for Human Consumption (4 cr)
AVS 411  Ruminant Nutrition (3 cr)
AVS 450  Issues in Animal Agriculture (1 cr)
AVS 463  Growth and Lactation (3 cr)
AVS 471  Animal Disease Management (3 cr)
AVS 472  Dairy Cattle Management (3 cr)
AVS 475  Advanced Dairy Cattle Management (3 cr)
Chem 275  Carbon Compounds (3 cr)
Econ 202  Principles of Microeconomics (3 cr)
FS 429  Dairy Products (3 cr)
FS 430  Dairy Products Lab (1 cr)

One of the following (3-4 cr):
AVS 222  Animal Reproduction and Breeding (3 cr)
AVS 452  Physiology of Reproduction (4 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):
MMBB 154  Introductory Microbiology (3 cr)
MMBB 250  General Microbiology (3 cr)

One of the following (1-2 cr):
MMBB 155  Introductory Microbiology Laboratory (1 cr)
MMBB 255  General Microbiology Lab (2 cr)

Courses to total 132-120 credits for this degree

C. Production Option
AgEc 278  Farm and Ranch Management (4 cr)
AgEc 289  Agricultural Markets and Prices (3 cr)
AVS 222  Animal Reproduction and Breeding (3 cr)
AVS 306  Feeds and Ration Formulation (4 cr)
AVS 330  Genetics of Livestock Improvement (3 cr)
AVS 363  Animal Products for Human Consumption (4 cr)
AVS 411  Ruminant Nutrition (3 cr)
AVS 450  Issues in Animal Agriculture (1 cr)
AVS 471  Animal Disease Management (3 cr)
Chem 275  Carbon Compounds (3 cr)
Econ 202  Principles of Microeconomics (3 cr)
REM 151  Rangeland Principles (2 cr)
REM 221  Ecology (3 cr)

One of the following (4 cr):

300 or 400 level Life science elective (chosen from Biol, Ent, Fish, MMBB, PSc, REM, Soil, or WLF) (3 cr)
Chem 101  Introduction to Chemistry I (4 cr)
Chem 111  Principles of Chemistry I (4 cr)

One of the following (3-4 cr):
- AVS 222  Animal Reproduction and Breeding (3 cr)
- AVS 452  Physiology of Reproduction (4 cr)

One of the following (3 cr):
- MMBB 154  Introductory Microbiology (3 cr)
- MMBB 250  General Microbiology (3 cr)

One of the following (1-2 cr):
- MMBB 155  Introductory Microbiology Laboratory (1 cr)
- MMBB 255  General Microbiology Lab (2 cr)

One of the following (2-3 cr):
- REM 151  Rangeland Principles (2 cr)
- REM 456  Integrated Rangeland Management (3 cr)

One of the following (3 cr):
- AVS 472  Dairy Cattle Management (3 cr)
- AVS 474  Beef Cattle Science (3 cr)

One of the following (3 cr):
- AVS 466  Equine Science and Management (3 cr)
- AVS 468  Companion Animal Biology & Management (3 cr)
- AVS 472  Dairy Cattle Management (3 cr)
- AVS 474  Beef Cattle Science (3 cr)
- AVS 476  Sheep Science (3 cr)

Species Production Courses (6 cr from a., or 3 cr from a. and b.):
- a. AVS 472 Dairy Cattle Management, AVS 474 Beef Cattle Science, or AVS 476 Sheep Science (3 cr)
- b. AVS 466 Equine Science and Management, or AVS 468 Companion Animal Biology & Management (3 cr)

Courses to total 132-120 credits for this degree

D. Science/Preveterinary Option

AVS 452  Physiology of Reproduction (4 cr)
Biol 116  Organisms and Environments (4 cr)
Chem 111  Principles of Chemistry I (4 cr)
Chem 112  Principles of Chemistry II (5 cr)
Chem 277, Chem 278  Organic Chemistry I 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)

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

One of the following (3 cr):
- MMBB 154  Introductory Microbiology (3 cr)
- MMBB 250  General Microbiology (3 cr)

One of the following (1-2 cr):
- MMBB 155  Introductory Microbiology Laboratory (1 cr)
- MMBB 255  General Microbiology Lab (2 cr)

One of the following (3-4 cr):
- MMBB 300  Survey of Biochemistry (3 cr)
- MMBB 380  Introductory Biochemistry (3 cr)

Species Production Courses (6 cr from a., or 3 cr from a. and b.):
- a. AVS 472 Dairy Cattle Management, AVS 474 Beef Cattle Science, or AVS 476 Sheep Science (3 cr)
- b. AVS 466 Equine Science and Management, or AVS 468 Companion Animal Biology & Management (3 cr)

First Year in Veterinary School (32 cr) or the following courses:
- AVS 306  Feeds and Ration Formulation (4 cr)
- AVS 330  Genetics of Livestock Improvement (3 cr)
- AVS 450  Issues in Animal Agriculture (1 cr)
- AVS 471  Animal Disease Management (3 cr)
- Chem 372  Organic Chemistry II (3 cr)

Biol or MMBB elective, 300-level or above (3 cr)

One of the following (3 cr):
- AVS 451  Endocrine Physiology (3 cr)
- AVS 463  Growth and Lactation (3 cr)
- Biol 423  Comparative Vertebrate Physiology (3 cr)
- Biol 432 or MMBB 409  Immunology (3 cr)
- Biol 447 or MMBB 432  Virology (3 cr)
Biol 474  Principles of Developmental Biology (3 cr)
Biol 483  Mammalogy (3 cr)
Chem 372  Organic Chemistry II (3 cr)
MMBB 460  Microbial Physiology (3 cr)

One of the following (3 cr):
AVS 472  Dairy Cattle Management (3 cr)
AVS 474  Beef Cattle Science (3 cr)

One of the following (3 cr):
AVS 466  Equine Science and Management (3 cr)
AVS 468  Companion Animal Biology & Management (3 cr)
AVS 472  Dairy Cattle Management (3 cr)
AVS 474  Beef Cattle Science (3 cr)
AVS 476  Sheep Science (3 cr)

Select either 3 additional credits from a. or an initial 3 credits from b.:
a. AVS 472 Dairy Cattle Management, AVS 474 Beef Cattle Science, or AVS 476 Sheep Science (3 cr)
b. AVS 466 Equine Science and Management, or AVS 468 Companion Animal Biology & Management (3 cr)

Courses to total 132-130 credits for this degree

Biological Sciences

1. Drop the following courses [Effective: Summer 2014]

   Biol 590  Teaching Practicum (2 cr)
   Same as MMBB 590. Teaching by master’s students under faculty supervision.
   Prereq: Permission

   Recommended Equivalent Course: Biol 521

   Biol 591  Teaching Practicum (2 cr, max 4)
   Same as MMBB 591. Teaching by Ph.D. students under faculty supervision.
   Prereq: Permission

   Recommended Equivalent Course: Biol 521

   MMBB 300  Survey of Biochemistry (3 cr)
   See Biol 300.

   MMBB 380  Introductory Biochemistry (4 cr)
   See Biol 380.

   MMBB 382  Introductory Biochemistry Laboratory (2 cr)
   See Biol 382.

   MMBB 589  Advanced Topics in Molecular Biology, Microbiology and Biochemistry (2 cr, max 4)
   Recent research in enzymes, hormones, complex lipids, vitamins, nucleic acids, antibiotics, viruses, and MMBB genetics.
   Prereq: Permission

   MMBB 590  Teaching Practicum (2 cr)
   See Biol 590.

   Recommended Equivalent Course: Biol 521

   MMBB 591  Teaching Practicum (2 cr, max 4)
   See Biol 591.

   Recommended Equivalent Course: Biol 521

2. Add the following courses [Effective: Summer 2014]

   Biol 315  Genetics Lab (1 cr)
   Laboratory on genetic mechanisms in animals, plants, and microorganisms. One three hr. lab per wk.
   Prereq: Biol 115 or Biol 250
   Coreq: Biol 310

   Biol 324  Comparative Vertebrate Anatomy (4 cr)
Evolution of vertebrates and their organ systems with an emphasis on structure – function relationships. Two lectures and two 3-hour labs a week. (Fall only, alt/yr)

Prereq: Biol 115, Biol 116, and Biol 213; or Permission

3. Change the following courses [Effective: Summer 2014]

**Biol 101 Perspectives in Biology (1 cr)**
Open only to majors. Intro to the disciplines in the fields of biology; current research topics. Graded P/F. (Fall only)

**Biol 310 Genetics (4-3 cr)**
Genetic mechanisms in animals, plants, and microorganisms. Three hours of lec per and one 3-hr lab a wk. (Fall only)
Prereq: Biol 115 or MMBB Biol 250

**Biol 300 Survey of Biochemistry (3 cr)**
*Same as MMBB 300.* Carries no credit after MMBB 380-Biol 380. Survey of biochemical principles and the molecular structure and function that describe the chemical basis of life, structure, function, and metabolism of major constituents of living systems. (Fall and Summer only)
Prereq: Chem 101 or Chem 111
Coreq: Chem 275 or Chem 277

**Biol 380 Introductory Biochemistry/Biochemistry I (4 cr)**
*Same as MMBB 380.* Carries one credit after MMBB 380-Biol 380. Introduction to the structure and function of major molecular constituents of living systems. Emphasis on proteins, enzyme kinetics and catalysis, carbohydrate metabolism. Three hrs lecture and one hr with interactive problem solving. (Fall only)
Prereq: Chem 101 or Chem 111, and Chem 275 and Chem 277

**Biol 382 Introductory Biochemistry/Biochemistry I Laboratory (2 cr)**
*Same as MMBB 382.* Lab training in modern methods. One 3-hr lab and one 1-hr recitation a wk. (Fall only)
Prereq: Chem 101 or Chem 111, and Chem 277
Coreq: Biol 380 or equivalent

**MMBB Biol 250 General Microbiology (3 cr)**
May be used with MMBB Biol 255 as general education credit in J-3b. *Same as FS 250.* Introduction to nature and activity of bacteria and other microorganisms; their importance in all life systems. Three hrs of lec per wk. (Fall only)
Prereq: Chem 101 or Chem 111

**MMBB J442/J542 Biol J454/J554 Advanced Biochemistry II (3 cr)**
Same as FS J442/J542, MMBB Biol 554/542, same as Chem 542. Intermediate biochemistry: areas of emphasis include molecular biology, nitrogen and lipid metabolism, molecular physiology, and molecular biology. Extra oral and/or written assignments required for grad credit. (Spring only)
Prereq: Chem 372; MMBB Biol 380 or Chem 302 or Chem 306; or Permission

4. Change the curricular requirements of Biology (B.A. or B.S.) [Effective: Summer 2014]

To graduate in this program, students must earn a minimum grade of C in Biol 115 and Biol 116 and must have a minimum gpa of 2.40 in Biol 115, Biol 116, Biol 213, Biol 310, and Biol 312.

Required course work includes the university requirements (see regulation J-3), and the following major requirements (electives to be chosen in consultation with the departmental advisor).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Biol 101</td>
<td>Perspectives in Biology (1 cr)</td>
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<td>Biol 115</td>
<td>Cells and the Evolution of Life (4 cr)</td>
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<td>Biol 116</td>
<td>Organisms &amp; Environments (4 cr)</td>
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<td>Biol 213</td>
<td>Principles of Biological Structure and Function (4 cr)</td>
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<td>Biol 310</td>
<td>Genetics (4-3 cr)</td>
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<tr>
<td>Biol 315</td>
<td>Genetics Lab (1 cr)</td>
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<tr>
<td>Biol 312</td>
<td>Molecular and Cellular Biology (3 cr)</td>
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<tr>
<td>Biol 313</td>
<td>Molecular and Cellular Laboratory (1 cr)</td>
</tr>
<tr>
<td>Biol 314</td>
<td>Ecology and Population Biology (4 cr)</td>
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<tr>
<td>Biol 411</td>
<td>Senior Capstone (3 cr)</td>
</tr>
<tr>
<td>Biol 421</td>
<td>Advanced Evolutionary Biology (3 cr)</td>
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<tr>
<td>Chem 111</td>
<td>Principles of Chemistry I (4 cr)</td>
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<tr>
<td>Chem 112</td>
<td>Principles of Chemistry II (5 cr)</td>
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<td>Phys 111, Phys 111L</td>
<td>General Physics I and Lab (4 cr)</td>
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<tr>
<td>Phys 112, Phys 112L</td>
<td>General Physics II and Lab (4 cr)</td>
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<tr>
<td>Stat 251</td>
<td>Statistical Methods (3 cr)</td>
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**One of the following (2 cr):**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Biol 405</td>
<td>Practicum in Anatomy Laboratory Teaching (2 cr)</td>
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</tbody>
</table>
Biol 407  Practicum in Biology Laboratory Teaching (2 cr)
Biol 408  Practicum in Human Physiology Laboratory Teaching (2 cr)
Biol 411  Senior Capstone (2 cr)
Biol 495  Research in Molec/Cell/Dev Biology (2 cr)
Biol 496  Research in Ecology and Evolution (2 cr)
Biol 497  Research in Anatomy and Physiology (2 cr)

One of the following (4 cr):
Chem 275  Carbon Compounds and Lab (4 cr)
Chem 276
Chem 277  Organic Chemistry and Lab (4 cr)
Chem 278

One of the following (4 cr):
Math 160  Survey of Calculus (4 cr)
Math 170  Analytic Geometry and Calculus I (4 cr)

One of the following (3-4 cr):
MMBB 300  Survey of Biochemistry (3 cr)
380
MMBB 400  Introductory Biochemistry (4 cr)

NOTE: Students considering graduate school in biology are strongly encouraged to take Math 170, Chem 277/278, and MMBB 380.

9 credits of approved electives from the following list are required (categories are intended only as a guide for student and advisor use). Additional classes can be substituted with prior approval of adviser and chairperson.

Natural History
Biol 478  Animal Behavior (3 cr)
Biol 481  Ichthyology (4 cr)
Biol 483  Mammalogy (3 cr)
Biol 489  Herpetology (4 cr)
REM 341  Systematic Botany (3 cr)
WLF 482  Ornithology (4 cr)

Anatomy/Physiology
Biol 324  Comparative Vertebrate Anatomy (4 cr)
Biol 423  Comparative Vertebrate Physiology (3 cr)
Biol 428  Microscopic Anatomy (4 cr)
Biol 450  Comparative Vertebrate Reproduction (3 cr)
MMBB 460  Microbial Physiology (3 cr)
Pisc 415  Plant Pathology (3 cr)

Quantitative/Integrative Biology
Biol 425  ST: Experimental Field Ecology (3 cr)
Biol 448  Plant-Animal Interactions (3 cr)
Biol 456  Computer Skills for Biologists (3 cr)
Ent 441  Insect Ecology (3 cr)
Math 437  Mathematical Biology (3 cr)
MMBB 425  Microbial Ecology (3 cr)
WLF 440  Conservation Biology (3 cr)
WLF 448  Fish and Wildlife Population Ecology (4 cr)

Molecular/Cellular/Developmental (MCD) Biology
Biol 444  Genomics (3 cr)
Biol 461  Neurobiology (3 cr)
Biol 474  Principles of Developmental Biology (3 cr)
Chem 414  Applications of Nanomaterials in Biomolecular Engineering (3 cr)
MMBB 409  Immunology (3 cr)
MMBB 440  Advanced Lab Techniques (4 cr)
MMBB 475  Cell Biology (3 cr)
MMBB 488  Genetic Engineering (3 cr)

In addition to the above electives, Biology majors are encouraged to enroll in at least 3 credits of coursework that emphasizes social, political or philosophical aspects of biology. A list of suggested courses will be provided by the student’s advisor and is available on the department’s website.

Business
1. Drop the following courses [Effective: Summer 2014]
EMBA 500  Master's Research and Thesis (1-10 cr, max 10)
Students enrolled in the EMBA program must take EMBA 500.

EMBA 506  Research Seminar (cr arr)
Recommended Equivalent Course: EMBA 599

EMBA 508  Decision-Making and Critical Thinking (1 cr)
Theory and practice of decision making in complex environments.
Coreq: EMBA 507 and EMBA 509
Recommended Equivalent Course: EMBA 535

EMBA 515  External Analysis (1 cr)
Examination of the economic, legal, and competitive factors influencing leadership and firm performance.
Coreq: EMBA 512, EMBA 514, and EMBA 516
Recommended Equivalent Course: EMBA 512

2. Add the following course [Effective: Summer 2014]

EMBA 599  (s) Non-thesis Master's Research (1-3 cr, max 6)
Research not directly related to a thesis or dissertation.
Prereq: Permission
Recommended Equivalent Course: EMBA 506

3. Change the following course [Effective: Summer 2014]

EMBA 509  Introduction to Team Building & Group Dynamics (1 cr)
Design and development of work groups and teams; influences, issues, and problems affecting team productivity.
Coreq: EMBA 507 and EMBA 508

EMBA 510  Summer Integrative Experience (3 cr)
Participation in an integrative project of the students own design in consultation with faculty. Possible topics include international study and exchange, social marketing, community outreach, and research writing for publication.
Prereq: EMBA 521, EMBA 523, EMBA 524, and EMBA 525

EMBA 512  The External Context of Business (3 cr)
Examines the economic, social, technological, legal, and competitive environment of business, with emphasis on the interfaces between business, society, and the natural environment and the challenges and opportunities these interfaces create.
Coreq: EMBA 512

EMBA 514  Financial Reporting and Financial Management (4 cr)
Introduction to financial accounting, financial statement analysis, and capital budgeting. Employs the tools of accounting and finance to help managers make short-term and long-term decisions. Topics include the role of financial reporting, analysis and auditing in the capital markets, long-term financing through capital structure management, and working capital management.
Prereq: EMBA 515, EMBA 508 and EMBA 509
Coreq: EMBA 512

EMBA 516  Strategic Business Communication (1 cr)
Delivery of strategic messages to internal and external audiences; cross-cultural communication.
Prereq: EMBA 508, and EMBA 509
Coreq: EMBA 512, EMBA 514, and EMBA 516

EMBA 517  Ethical Leadership (1 cr)
Examines the foundations of business ethics, and the challenges of ethical decision making and leadership in an environment of globalization and change.
Coreq: EMBA 500 and EMBA 516

EMBA 521  Strategy Formulation and Execution (2 cr)
Formulation and implementation of competitive strategies to identify, build and leverage core competencies in an uncertain, competitive, and ambiguous environment. Emphasizes assessing the alignment of strategy with action throughout the organization, as well as strengthening linkages through business process design and measurement.
Prereq: EMBA 512, and EMBA 514
Coreq: EMBA 533, EMBA 524, EMBA 525, and EMBA 526
EMBA 522  Innovation and New Product Development (3 cr)
Explores the framework management must create in order to promote innovation, including aspects of strategy, process, resources, organization and learning, and the gathering of expertise from every corner of the organization and beyond.
Prereq: EMBA 510, EMBA 517, EMBA 521, EMBA 533, EMBA 524, and EMBA 525
Coreq: EMBA 531, EMBA 524, and EMBA 525

EMBA 524  Strategic Cost and Process Management (3 cr)
This course examines the concepts and tools needed for systematically designing, evaluating, and improving business processes to better achieve organizational objectives and for understanding and managing the costs associated with these processes and the products and services resulting from them.
Prereq: EMBA 512, and EMBA 514
Coreq: EMBA 517, EMBA 521, EMBA 533, and EMBA 524

EMBA 525  Managing Relationships to Influence Behavior (2 cr)
Principles of developing and maintaining exchange relationships. Application of the principles to the practice of managing relationships between the organization and two key stakeholder groups: employees and customers.
Prereq: EMBA 512, and EMBA 514
Coreq: EMBA 517, EMBA 521, EMBA 533, and EMBA 524

EMBA 531  Mass Media and Crisis Communication (1 cr)
Mass media interviews and message strategies; risk and crisis communication.
Prereq: EMBA 516
Coreq: EMBA 533, EMBA 534, and EMBA 535

EMBA 533  Launching New Products and Services (2 cr)
Investigates the process sequence for new product development from idea generation through to commercialization and how it fits into overall business strategy. Includes pro-forma analysis of a new product launch, financing and business investment analysis.
Prereq: EMBA 521, EMBA 522, EMBA 524, EMBA 525
Coreq: EMBA 531, EMBA 534, and EMBA 535

EMBA 534  Managing and Leading Change (1 - 2 cr)
Examines how to lead transformational change and manage mid level organizational change through personal and project initiatives.
Prereq: EMBA 521, EMBA 522, EMBA 524, and EMBA 525
Coreq: EMBA 533 and EMBA 535

EMBA 535  Decision Analysis (3 cr)
Theory and practice of decision making under uncertainty and risk in individual and multi-person settings.
Prereq: EMBA 510, EMBA 521, EMBA 534, EMBA 533, and EMBA 525
Coreq: EMBA 531, EMBA 533, and EMBA 534

EMBA 542  Negotiation and Conflict Management (2 cr)
Theory and practice of negotiation and dispute resolution.
Prereq: EMBA 532, EMBA 534 and EMBA 535
Coreq: EMBA 542 and EMBA 544

EMBA 543  Assessing to Improve Firm Performance (3 cr)
Evaluation of organizational performance from multiple perspectives using quantitative and qualitative methods.
Prereq: EMBA 532, EMBA 534 and EMBA 535
Coreq: EMBA 542 and EMBA 544

EMBA 544  Risk Management (3 cr)
Review of the history, tools, and behavioral aspects of risk management. Introduction to the tools, models, and strategic aspects of risk management.
Prereq: EMBA 514, 522, EMBA 534 and EMBA 535
Coreq: EMBA 542 and EMBA 543

EMBA 545  Integrative Business Analysis (1 - 3 cr, max 3)
All EMBA students must complete a project or business case designed in consultation with faculty prior to graduation. The purpose of the project or case is to integrate and synthesize topics learned in the EMBA program. Individual case analysis will be presented to a panel consisting of members from the EMBA faculty and EMBA Advisory Board.
Prereq: EMBA 508, EMBA 509, EMBA 510, EMBA 512, EMBA 514, EMBA 515, EMBA 516, EMBA 517, EMBA 521, EMBA 524, EMBA 525, EMBA 522, EMBA 523, and EMBA 534, and EMBA 535
Coreq: EMBA 542, EMBA 543, and EMBA 534

EMBA 546  Design Managing for Your Future (1 cr)
A personal perspective on the lessons learned in the EMBA program and a plan on utilizing those lessons in the student’s professional career.
Prereq: EMBA 508, EMBA 509, EMBA 510, EMBA 512, EMBA 514, EMBA 515, EMBA 516, EMBA 517, EMBA 521, EMBA 522, EMBA 523, EMBA 524, EMBA 525, EMBA 533, EMBA 534, and EMBA 535
Coreq: EMBA 542, EMBA 543, and EMBA 544

**Chemistry**

1. Change the following courses [Effective: Summer 2014]

   **Chem 542 Biochemistry and Molecular Biology (3 cr)**

2. Change the curricular requirements of Chemistry (B.S.) [Effective: Summer 2014]

   **D. Forensics Option**
   Biol 115 Cells and the Evolution of Life (4 cr)
   Biol 310 Genetics (4 cr)
   Chem 111 Principles of Chemistry I (4 cr)
   Chem 112 Principles of Chemistry II (5 cr)
   Chem 253, Chem 254 Quantitative Analysis and Lab (5 cr)
   Chem 277, Chem 278 Organic Chemistry I and Lab (4 cr)
   Chem 305, Chem 307 Physical Chemistry and Lab (4 cr)
   Chem 306, Chem 308 Physical Chemistry and Lab (4 cr)
   Chem 372, Chem 374 Organic Chemistry II and Lab (4 cr)
   Chem 409 Proseminar (1 cr)
   Chem 454 Instrumental Analysis (4 cr)

   **CS 101 Introduction to Computer Science (3 cr)**

   **Geol 426 Principles of Forensic Mineralogy and Geology (3 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)
   **MMBB Biol 250 General Microbiology (3 cr)**
   **MMBB Biol 255 General Microbiology Lab (2 cr)**
   **MMBB Biol 380 Introductory Biochemistry (4 cr)**
   **MMBB Biol 382 Introductory Biochemistry Laboratory (2 cr)**
   Phys 211, Phys 211L Engineering Physics I and Lab (4 cr)
   211L
   Stat 251 Statistical Methods (3 cr)

   **Any CS course (101 or higher). (3 cr)**

   **One of the following (3 cr):**
   Biol 310 Genetics (3 cr)
   Gene 314 General Genetics (3 cr)

   **One of the following (4 cr):**
   Phys 212, Engineering Physics II and Lab or
   Phys 212L
   Phys 213, Engineering Physics III and Lab (4 cr)
   Phys 213L

   Courses to total 120 credits for this degree

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**Curriculum and Instruction**

1. Add the following courses [Effective: Summer 2014]

   **EDCI 411 Geometry, Measurement, and Trigonometry (3 cr)**
   Examines topics in measurement, geometry, and trigonometry and the way that grade 5-10 students develop an understanding of these ideas. Emphasis will be placed on recent and seminal research on learning and teaching geometry to develop mathematical practice as described in CCSS-M, especially for topics such as symmetry, congruence and similarity, right triangle trigonometry, transformations, unit, and partitioning of space. Particular emphasis will be placed on extended tasks that expose learners to investigation, conjecture, argumentation, and incorporating dynamic software. Math 517 requires additional project work implementing and evaluating course ideas in the grade 5-10 classroom. Does not count toward mathematics MAT or MS graduate programs.
   **Prereq:** Math 236 and admission to Teacher Education; or instructor permission

   Proposed Short Course Title: Geometry, Measurement & Trig

   **EDCI 533 Educational Policy and Strategic Planning (3 cr)**
This course is designed to introduce students to educational policy, the intergovernmental system of education in the US and some of the major issues and challenges confronting US policymakers. This seminar will increase students’ understanding of the complexities of educational policy and to assist them in becoming effective leaders and practitioners who inform, shape, and implement education policy. This course has a particular focus federal and state policy in education. We will begin by examining standards-based, market-driven and professionally led models of reform, looking at their underlying theories of change, implementation challenges and the critiques leveled against these approaches.

Proposed Short Course Title: Educational Policy & Planning

EDCI 534 Schools as Organizations (3 cr)
The purpose of this course is to examine the evolution of the “public school” in American society and culture, and then to examine the global competitive forces that are reshaping and driving the evolution of schools in America. We try to understand the role of the school; how schools and educational systems have changed over time; how comparative systems of education have defined their schools/school systems; and finally, we investigate how we can better organize educational systems, schools, and classrooms to address issues of justice, equity, and humanity.

EDSP 530 Assistive Technology and Universal Design for Learning for Pre-K12 (2 cr)
This course is designed to introduce students to assistive technology and universal design for learning as they are woven into the PreK12 community to support all students including those with disabilities access and interact with the general education curriculum. This course will increase participants’ understanding of the continuum of assistive technologies to universal design and expose them optimal systematic formats for successful implementation. Focus will move from an IEP team-based process, of student evaluations, reporting, training, and follow-up, to a general education classroom instructional design model with an understanding of the impact on school improvement.

Proposed Short Course Title: Assistive Tech and UDL in PK12

EDSP 531 Single Subject Design Research (3 cr)
Prepares graduate students with knowledge and experience using single subject designs. Single subject designs are quantitative approaches that use specific design features to demonstrate experimental control and internal validity of observable and quantifiable behavior most often displayed and interpreted through line graphs and charts. External validity is demonstrated through replication.

Prereq: EDSP 540 or equivalent

EDSP 552 Principles of Leadership in Neurodevelopmental Disorders 1 (3 cr)
Students are trained to move beyond discipline boundaries to provide optimal services to child and adolescents with special health care needs. Enhance skills in evidence based practice via evaluating the validity of published research, understanding the role of outcomes-based information in decision making, and conduct meaningful, scientifically grounded research to improve systems of care to children with special healthcare needs.

Proposed Short Course Title: Principles/Ldrshp/Interdsc 1

EDSP 553 Principles of Leadership in Neurodevelopmental Disorders 2 (3 cr)
Students are trained to move beyond discipline boundaries to provide optimal services to child and adolescents with special health care needs. Enhance skills in evidence based practice via evaluating the validity of published research, understanding the role of outcomes-based information in decision making, and conduct meaningful, scientifically grounded research to improve systems of care to children with special healthcare needs.

Proposed Short Course Title: Principles/Ldrshp/Interdsc 2

EDSP 554 Principles of Leadership in Neurodevelopmental Disorders Autism Enhanced 1 (3 cr)
This course is part of the proposed doctoral course work in Special Education. This course is offered with the assistance/support of the Utah Regional Leadership in Neurodevelopmental Disabilities program (URLEND) and the University of Utah Medical School who offer some of the trainings / clinics that students enrolled in this course participate in. This course is taught in-load by faculty at the Center on Disabilities and Human Development and does not burden the college or department.

Proposed Short Course Title: Principles/Ldrshp/Interdsc/AS1

EDSP 555 Principles of Leadership in Neurodevelopmental Disorders Autism Enhanced 2 (3 cr)
Students are trained to move beyond discipline boundaries to provide optimal services to child and adolescents with special autism spectrum disorders. Students will increase their knowledge of issues related to the definition, epidemiology, and prognosis of ASD, enhance their knowledge of screening and diagnostic measures for ASD, enhance their knowledge of interventions for ASD, engage in research related to ASD, enhance their leadership skills in the area of ASD.

Proposed Short Course Title: Principles/Ldrshp/Interdsc/AS2

2. Change the following course [Effective: Summer 2014]

CTE 484 (s) Internship in Career and Technical Education Teaching (3-14 cr, max 28)
Guided observation, supervised instruction, and comprehensive team and independent teaching in school settings.

Prereq: Admission to teacher education program

Coreq: CTE 455 EDCI 401

3. Change the curricular requirements of English (Teaching Major/Minor) [Effective: Summer 2014]
A. 46-Credit English Teaching Major

Engl 201  English Grammar: Key Concepts and Terms (1 cr)
Engl 309  Advanced Prose Writing (3 cr)
Engl 341 or Engl 342  Survey of British Literature (3 cr)
Engl 343-Engl 344  Survey of American Literature (6 cr)
Engl 345  Shakespeare (3 cr)
Engl 401  Writing Workshop for Teachers (3 cr)
Engl 441  Introduction to Study of Language (3 cr)
Engl 445  Literature for Adolescents (3 cr)

One of the following (3 cr):
Engl 175  Introduction to Literary Genres (3 cr)
Engl 215  Introduction to English Studies (3 cr)

One of the following (3 cr):
Engl 208  Personal and Exploratory Writing (3 cr)
Engl 291  Beginning Poetry Writing (3 cr)
Engl 292  Beginning Fiction Writing (3 cr)
Engl 293  Beginning Nonfiction Writing (3 cr)

One of the following (3 cr):
Engl 445  Literature for Adolescents (3 cr) (recommended)
A 400-level English Literature Course (3 cr)

Two linguistics courses (Engl 442, Engl 443 or Engl 496; Engl 443 may be taken concurrently with EDCI 485) (6 cr)

Two 400-level English area course (6 cr)

One literature course focusing on multicultural literature (Engl 380, Engl 481, Engl 482, Engl 483, Engl 484; or Engl 485, 485, Engl 481, or Engl 482 when these courses include a major and specific selection of American ethnic literature) (3 cr)

In addition to the above teaching major requirements, the following special methods sequence is also required:
EDCI 431  Secondary English Methods (3 cr)
EDCI 441  Secondary English Methods Practicum (1 cr)

B. 32-credit English Teaching Major

Engl 201  English Grammar: Key Concepts and Terms (1 cr)
Engl 309  Advanced Prose Writing (3 cr)
Engl 341 or Engl 342  Survey of British Literature (3 cr)
Engl 343-Engl 344  Survey of American Literature (6 cr)
Engl 345  Shakespeare (3 cr)
Engl 401  Writing Workshop for Teachers (3 cr)
Engl 441  Introduction to Study of Language (3 cr)
Engl 445  Literature for Adolescents (3 cr)

One of the following (3 cr):
Engl 175  Introduction to Literary Genres (3 cr)
Engl 215  Introduction to English Studies (3 cr)

One of the following (3 cr):
Engl 442  Linguistics (3 cr)
Engl 443  Language Variation (3 cr)
Engl 496  History of the English Language (3 cr)

One of the following (3 cr):
Engl 445  Literature for Adolescents (3 cr) (recommended)
A 400-level English Literature Course (3 cr)

One literature course focusing on multicultural literature (Engl 380, Engl 481, Engl 482, Engl 483, Engl 484; or Engl 485, 485, Engl 481, or Engl 482 when these courses include a major and specific selection of American ethnic literature) (3 cr)

In addition to the above teaching major requirements, the following special methods sequence is also required:
EDCI 431  Secondary English Methods (3 cr)
EDCI 441  Secondary English Methods Practicum (1 cr)

C. 25-Credit English Teaching Minor

Engl 201  English Grammar: Key Concepts and Terms (1 cr)
Engl 309  Advanced Prose Writing (3 cr)
Engl 401  Writing Workshop for Teachers (3 cr)
Engl 441  Introduction to Study of Language (3 cr)

One of the following (3 cr):
Engl 175  Introduction to Literary Genres (3 cr)
Engl 215  Introduction to English Studies (3 cr)

One survey course in both American literature (Engl 343 or Engl 344) and British literature (Engl 341 or Engl 342); at least one of the two survey courses must be Engl 341 or Engl 343 (6 cr)
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One literature course focusing on multicultural literature (Engl 380, Engl 481, Engl 482, Engl 483, Engl 484; or Engl 485, Engl 481, or Engl 482 when these courses include a major and specific selection of American ethnic literature) (3 cr)

**English**

1. Drop the following course [Effective: Summer 2014]

   **Engl 095 Small-Group Writing Tutorial (0 cr)**
   Weekly small-group tutorial to help students meet the challenges of academic writing required in English 101. Concurrent enrollment in English 101 required. Graded Pass/Fail.
   **Coreq:** Engl 101

   Recommended Equivalent Course: Engl 109

2. Add the following courses [Effective: Summer 2014]

   **Engl 109 Writing Studio (1 cr)**
   Student-centered group tutorial focusing on writing improvement connected to the ENGLISH 101 course. Graded Pass/Fail.
   **Coreq:** Engl 101

   **Engl 322 Environmental Literature and Culture (3 cr)**
   Introduction to environmentally-oriented literature and other cultural texts, such as visual art, music, and film. Focus on British and American traditions of nonfiction nature writing, nature poetry, and environmental fiction, but may include work from other countries and regions.

   Proposed Short Course Title: Environmental Lit and Culture

   *Note: This course carries the standard UPDV English prerequisites and the prerequisites for Literature courses:

   - **Prerequisites:** Students may enroll for a second-semester course in English without having had the first-semester course, unless it is a stated prerequisite to the second-semester course. Engl 101 and Engl 102 are prerequisite to all upper-division courses; Engl 175 or Engl 257 or Engl 258 is a prerequisite or co-requisite to literature courses numbered 300 and above. A transfer student who lacks Engl 101 or Engl 102, or both, may take either or both for credit even though he or she has already taken a literature course for which Engl 101 or Engl 102 is prerequisite at UI. In addition, for English majors Engl 215 or permission of instructor also is a prerequisite or co-requisite to literature courses numbered 300 and above.

3. Change the following courses [Effective: Summer 2014]

   **Engl 441 Introduction to the Study of Language (3 cr)**
   Same as Anth 441. Surveys of sound patterns, morphological processes and syntactic structures; questions of language acquisition, variation, and history; exercises from a variety of languages, with emphasis on American English.

   **Engl 581 Techniques of Poetry (3 cr, max arr)**
   A substantial and highly analytical examination of the art and craft of poetry, from a writerly perspective.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission

   **Engl 582 Techniques of Fiction (3 cr, max arr)**
   A substantial and highly analytical examination of the art and craft of fiction, from a writerly perspective.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission

   **Engl 583 Techniques of Nonfiction (3 cr, max arr)**
   A substantial and highly analytical examination of the art and craft of nonfiction, from a writerly perspective.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission

   **Engl 591 MFA Poetry Workshop (3 cr, max arr)**
   Advanced poetry writing workshop.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission (Graduate level only; Permission by manuscript screening)

   **Engl 592 MFA Fiction Workshop (3 cr, max arr)**
   Advanced fiction writing workshop.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission (Graduate level only; Permission by manuscript screening)

   **Engl 593 MFA Nonfiction Workshop (3 cr, max arr)**
   Seminar on the evolving genre of "literary non-fiction": using modes of fiction, drama, and poetry for nonfictional aims, such as memoirs or autobiography, travel narrative, and character sketch; workshop on participants’ writing in the genre.
   **Prereq:** Admission to the MFA in Creative Writing program or instructor permission (Graduate level only; Permission by manuscript screening)

   **Engl 595 MFA Novel Workshop (3 cr, max 6)**
   A two-semester intensive seminar/workshop on the craft of novel writing, which includes directed writing, individual conferencing, critical analysis of exemplary novels, as well as critical response to peer work. Students will make substantial progress toward the completion of a novel of publishable quality.
4. Change the status of the following course from Dormant to Active [Effective: Summer 2014]

**Engl 515 ESL Teaching Practicum (3 cr)**
Organization and teaching of an ESL course under direction of practicum instructor. Graded P/F. (Spring, Alt/yr).
**Prereq:** Engl 514 or Permission

5. Change the curricular requirements of **English-Literature Emphasis** (B.A.) [Effective: Summer 2014]

**A. Literature Emphasis**

Foundations (6-9 cr):
- Engl 215 Introduction to English Studies (3 cr)
- Engl 230 Introduction to Film Studies (3 cr)
- Engl 310 Literary Theory (3 cr)

Literary History (18-15 cr):
- Engl 345 Shakespeare or a 400-level course in literature before 1800 (3 cr)
- One upper-division course in literature before 1900 (3 cr)
- One course from the following (3 cr):
  - Engl 257 Literature of Western Civilization (3 cr)
  - Engl 258
  - Engl 221 History of World Cinema I (3 cr)
  - Engl 222 History of World Cinema II (3 cr)
  - Engl 345 Shakespeare or a 400-level course in literature before 1800 (3 cr)

Three courses from the following (9-6 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)

Linguistics (3 cr):
- Engl 441 Introduction to the Study of Language (3 cr)
- Engl 496 History of the English Language (3 cr)

Cultural Diversity (One course in non-canonical or underrepresented literatures) (3 cr):
- 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 Literature in English (3 cr)

Or an adviser-approved special topics or extra-departmental course (3 cr)

Electives (12 cr):
Four 400-level courses in literature
Capstone (3 cr):
Engl 490 Senior Seminar (3 cr)

Courses to total 120 credits for this degree

**Geography**

1. Change the following course [Effective: Summer 2014]

**Geog 330 Urban Geography (3-43 cr)**
Theory and models of the functions, origin, development, structure, and distribution of cities; land-use classification; geographic aspects of city planning. One hour additional meeting per week or project for fourth credit. One 1-day field trip. (Fall only)

2. Change the curricular requirements of **Geographic Information Systems** (UG Academic Certificate) [Effective: Summer 2014]

**Note:** A grade of ‘C’ or higher is required in all coursework for this academic certificate.

- Geog 385 GIS Primer (3 cr)
- Geog 475 Intermediate GIS (3 cr)

Electives (9 cr)
Geog 390    Cartographic Design & Geovisualization (3 cr)
Geog 407    Spatial Analysis and Modeling (3 cr)
Geog 424 or Hydrologic Applications of GIS and Remote Sensing (3 cr)
Geog 524    Remote Sensing/GIS Integration (3 cr)
Geog 483 or Transportation, GIS and Planning (3 cr)
Geog 486 or Hydrologic Applications of GIS and Remote Sensing (3 cr)
Geog 479    GIS Programming (3 cr)
Geog 575    Advanced GIS (3 cr)
Geog 587    Advanced Topics in Remote Sensing (3 cr)

Courses to total 15 credits for this certificate

**Geological Sciences**

1. **Drop the following course** [**Effective: Summer 2014**]

   **Geol 308 Ground Water Geology (3 cr)**
   Geologic factors controlling the infiltration, accumulation and movement of ground water in igneous, metamorphic and sedimentary rock environments. (Spring only)
   **Prereq:** Geol 101/101L or Geol 111/111L, and Math 130 or Math 143

   **Geol 390 Petroleum Geology (2 cr)**
   Petroleum technology for geologists. (Fall only)
   **Prereq:** Geol 101/101L or Geol 111/111L

   **Hydr J413/J513 Ground Water Resource Evaluation (3 cr)**
   Quantitative methods for the estimation of aquifer coefficients related to ground water resource evaluations. For grad credit, students are required to complete an additional independent research paper/project.
   **Prereq:** Geol 309

2. **Add the following courses** [**Effective: Summer 2014**]

   **Geol J433/J533 Geodynamics (4 cr)**
   This class focuses on the processes and mechanisms that cause motions within and on the surface of the Earth and other planets. Topics to be covered include plate boundary deformation, plate flexure, planetary heat transfer, convection in the mantle and core, melting and melt transport, magma dynamics, and large-scale lithospheric deformation. For graduate credit students will be expected to complete a research project and report. Course includes 3 hours of lecture and one 3 hour lab per week. Offered fall semester. Recommended Preparation: Math 175 or equivalent. Cooperative: open to WSU degree-seeking students.
   **Prereq:** Math 170 or equivalent

3. **Add the following prerequisite to all applicable Geology courses (Geol) courses** [**Effective: Summer 2014**]

   **Prerequisite:** Math 143 with a grade of ‘C’ or better is a prerequisite to all upper-division Geol courses.

4. **Change the following course** [**Effective: Summer 2014**]

   **Geol 422 Principles of Geophysics (3-4 cr)**
   Outline of geophysical methods for geological investigations. One 1-day field trip. **Course includes 3 hours of lecture and one 2 hour lab per week.**

**History**

1. **Drop the following courses** [**Effective: Summer 2014**]

   **Hist 385 History of Sexuality (3 cr)**
   Analysis of sexuality and gender in Europe and North America, primarily from 1750 to the present. Focus upon changing sexual behavior both inside and outside of marriage and the efforts to regulate, repress, or encourage sexual behavior and attitudes. (Alt/yr)
   **Prereq:** Junior standing or Permission

   **Hist 450 (s) Topics in Classical Civilization (3 cr, max 9)**
   Same as FLEN 450. Examines changing advanced topics in Greek and Rome Civilization, 2000 BC-500 AD. May be taken up to three times for credit. Recommended Preparation: FLEN 270 or Hist 270.
Hist J451/J551 French Revolution and Napoleonic Era (3 cr)
May be used as general education credit in J-3-d. Conditions in pre-revolutionary and revolutionary France; the Napoleonic state and impact of French changes upon Europe.

Hist J469/J569 Modern France, 1815-present (3 cr)
May be used as general education credit in J-3-d. Cultural, social, and economic transformations in French society from 1815 to the present. Impact of industrialization, revolution, and war upon people’s lives.

2. Change the following courses [Effective: Summer 2014]

Hist 350 European Cultural History, 1600 The Age of Enlightenment: European Culture & Ideas, 1680-1800 (3 cr)
History of thought, material culture, and mentalities in Enlightenment society; focus upon intersection between science and enlightenment values; new ideas about individualism, democracy, race, and gender. History of thought, material culture, and “mentalities” in early modern Europe, including the Scientific Revolution and Enlightenment.
Recommended Short Course Title: Age of Enlightenment

Hist 366 Intellectual and Cultural History of Modern Europe Modern European Cultural and Intellectual History, 1880-1980 (3 cr)
May be used as general education credit in J-3-d. Evolution of major cultural attitudes and values in modern European society; relation between modernity and cultural modernism; the impact of war and revolution; key ideas and intellectual movements associated with Nietzsche, Freudianism, the avant-garde, existentialism, structuralism, and postmodernism. Evolution of attitudes and values of European societies during the 19th and 20th centuries; influence of key events and ideas, including those of Marx, Darwin, Freud, Einstein, and Sartre.
Recommended Short Course Title: Modern European Culture

Hist J452/J552 19th Century Europe in the Age of the Revolution, 1770-1880 (3 cr)
The social, political, and cultural dimensions of revolutions of 1789, 1830, 1848, and 1870; impact of industrial revolution upon daily life; process of European nation-building; new ideologies of liberalism, socialism, conservatism, and romanticism. Additional work required for graduate credit. Nationalism and nation-building; Imperialism and the Great Powers; Capitalism and Socialism; tensions and rivalries leading to WWI.
Recommended Short Course Title: Europe in the Age of Revolution

Interdisciplinary Studies

1. Add the following course [Effective: Summer 2014]

Intr 491 College of Letters, Arts, and Social Sciences Ambassadors (1 cr, max 2)
Student ambassadors are selected through an application and interview process. Students will learn skills in leadership, communication, networking, public speaking and time management. Students will be responsible for representing the College of Letters, Arts and Social Sciences in various recruiting activities and events.
Recommended Short Course Title: CLASS Ambassadors

International Studies

1. Add the following courses [Effective: Summer 2014]

IS 323 International Monetary and Trade Organizations (3 cr)
Explores the interaction of countries and international economic/financial institutions, with focus on the political questions that arise from said interaction and organizational policies, the effect of and the conditions for cooperation in international trade and finance, and related legal questions from the treaties that govern this type of cooperation. Recommended Preparation: Econ 201 and PolS 237 or IS 310.
Recommended Short Course Title: Intl Monetary/Trade Orgs

IS 485 (s) Martin Scholars (3 cr)
The Martin Scholars program considers a topic related to international conflict and the resolution thereof in a broad context, with specific topics mutually selected by a designated faculty member and the director of the Martin Institute. It serves a small group of students each fall term, with additional work carried out over the course of the ensuing spring term while the Martin Scholars produce masters-level research on that year’s specific topics. 
Prereq: Departmental Permission

2. Change the following course [Effective: Summer 2014]

IS 370 Africa’s Calling: The Culture of Ghana African Community, Culture, and Music (3 cr-1-3 cr)
Focus on regional and/or national communities and cultures in Africa with an emphasis on musical traditions. Experience based including preparation in the US, field work in one or more African countries, and substantive evaluation after return. "Africa's Calling" is a three-week study
abroad course with an emphasis on cultural and environmental awareness in Ghana. It devotes attention to drumming/dance, the country's history and geographical terrain. Through temporary residency and fieldtrips to the Volta Region and the Cape Coast, students will examine Ghana's position in the global community. Recommended Preparation: Four Spring orientation sessions, passport, visa, vaccination, and medication.

Recommended Short Course Title: African Cmty Culture Music

3. Change the curricular requirements of International Studies (B.A.) [Effective: Summer 2014]

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS 495</td>
<td>International Studies Senior Seminar (3 cr)</td>
</tr>
<tr>
<td>Stat 251</td>
<td>Statistical Methods (3 cr)</td>
</tr>
<tr>
<td>One of the following groups of courses (4-6 cr):</td>
<td></td>
</tr>
<tr>
<td>Group A:</td>
<td></td>
</tr>
<tr>
<td>Econ 201</td>
<td>Principles of Macroeconomics (3 cr)</td>
</tr>
<tr>
<td>Econ 202</td>
<td>Principles of Microeconomics (3 cr)</td>
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<tr>
<td>or</td>
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</tr>
<tr>
<td>Econ 272</td>
<td>Foundations of Economic Analysis (4 cr)</td>
</tr>
</tbody>
</table>

One of the following (3 cr):

- IS 310 The United Nations (3 cr)
- PoIS 235 Political Research Methods and Approaches (3 cr)

One of the following (3 cr):

- PoIS 205 Introduction to Comparative Politics (3 cr)
- PoIS 237 International Politics (3 cr)

Six credits chosen from:

- Anth 220 Peoples of the World (3 cr)
- Engl 485 Global Literatures in English (3 cr)
- EnvS 225 International Environmental Issues Seminar (3 cr)
- Geog 200 World Regional Geography (3 cr)
- IS 195 International Studies Freshman Seminar (3 cr)
- JAMM 490 Global Media (3 cr)
- Soc 333 Political Economy (3 cr)
- Soc 350 Food, Culture, and Society (3 cr)

At least 12 cr from one of the following issue emphases: international relations, international economics and business, global resources and development (see courses below)

At least 12 cr from one of the following regional emphases: Latin America, Europe, Asia (see courses below)

Demonstrated proficiency in a modern foreign language correlating with the region of emphasis and equivalent to that gained from six semesters of university study. Exceptions include any class taught in English, (0-22 cr)

In addition, international experience in the student's region of emphasis is required for all students in this major. The experience must extend consecutively for at least 10-12 weeks, be qualified for at least 12 credits, and include an academic project or assignment and immersion in the culture of the country. All costs associated with the international experience are the responsibility of the student.

The requirement of international experience will normally be fulfilled by completing a registered credit program such as study abroad, student exchange, student teaching, or internship. In general, credits are registered on the UI campus; course work and field experience are taken abroad.

In some cases, permission may be granted to complete noncredit work experience that places the student abroad for a contracted length of time. Normally this work assignment will be completed during the degree program. In some instances, prior work experience may be accepted based on the following criteria: verification, length, nature, recentness, and relevancy of experience.

**Issue Emphases in International Studies**

Recommended courses for completion of requirement (special topic courses may be used when approved by the director).

**A. International Relations**

- Geog 365 Political Geography (3 cr)
- Hist 430 U.S. Diplomatic History (3 cr)
- Hist 458 Military History (3 cr)
- IS 320 Model United Nations (2 cr)
- IS 321 UN and Related Agencies (1 cr)
- **IS 350 Sport and International Affairs (3 cr)**
- PoIS 338 American Foreign Policy (3 cr)
- PoIS 440 International Organizations and International Law (3 cr)
- PoIS 449 World Politics and War (3 cr)
- PoIS 487 Political Violence and Revolution (3 cr)
- Soc 335 Terrorism, Society and Justice (3 cr)

**B. International Economics and Business**

- AgEc 481 Agricultural Markets in a Global Economy (3 cr)
- Bus 381 International Finance (3 cr)
- Bus 482 International Marketing (3 cr)
Econ 446  International Economics (3 cr)
Econ 447  International Development Economics (3 cr)
IS 323  International Monetary and Trade Organizations (3 cr)

C. Global Resources and Development
AgEc 481  Agricultural Markets in a Global Economy (3 cr)
Anth 462  Human Issues in International Development (3 cr)
CSS 493  International Land Preservation and Conservation Systems (3 cr)
FCS 411  Global Nutrition (3 cr)

FS 436  Principles of Sustainability (3 cr)
Geog 350  Geography of Development (3 cr)
Geog 360  Population Dynamics and Distribution (3 cr)
Geog 409  Rural Development (3 cr)
IS 322  International Environmental Organizations (3 cr)
IS 410  NGOs in the International Systems (3 cr)
PolS 480  Politics of Development (3 cr)
Soc 323  Political Economy (3 cr)
Soc 340  Social Change & Globalization (3 cr)
Soc 440  Post-Colonialism (3 cr)

Regional Emphases in International Studies
A. Latin America
FLEN 394  Latin American Literature in Translation (3 cr)
Hist 435  Latin America: The Colonial Era (3 cr)
Hist 438  Modern Mexico (3 cr)
Hist 439  Modern Latin America (3 cr)
Hist 440  Social Revolution in Latin America (3 cr)
Span 306  Culture and Institutions of Latin America (3 cr)
Span 402  Readings: Spanish American Literature (3 cr)
Span 413  Spanish American Short Fiction (3 cr)

B. Europe
Engl 342  Survey of British Literature (3 cr)
FLEN 307  The European Union (3 cr)
FLEN 308  European Immigration and Integration (3 cr)
FLEN 313  Modern French Literature in Translation (3 cr)
FLEN 324  German Literature in Translation (3 cr)
FLEN 393  Spanish Literature in Translation (3 cr)
Fren 304  Connecting French Language and Culture (4 cr)
Fren 407  French & Francophone Literatures (3 cr)
Fren 408  French and Francophone Culture and Institutions (3 cr)
Germ 306  Introduction to German Literature (3 cr)
Germ 420  Topics in German Culture and Literature - Themes (3 cr)
Hist 350  European Cultural History, 1600-1800 (3 cr)
Hist 366  Intellectual and Cultural History of Modern Europe (3 cr)
Hist 447  The Renaissance (3 cr)
Hist 451  Age of the French Revolution (3 cr)
Hist 452  19th Century Europe (3 cr)
Hist 455  Modern Europe (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)
Hist 469  Modern France (3 cr)
PolS 381  Western European Politics (3 cr)
Span 305  Culture and Institutions of Spain (3 cr)
Span 401  Readings: Spanish Literature (3 cr)

C. Asia/Africa
FLEN 331  Japanese Anime (3 cr)
Hist 331  The Age of African Empires (3 cr)
Hist 457  History of the Middle East (3 cr)
Hist 481  America’s Wars in Asia (3 cr)
Hist 482  Japan, 1600 to Present (3 cr)
Hist 484  Modern China, 1840s to Present (3 cr)
Hist 485  Chinese Social and Cultural History (3 cr)
IS 325  The Contemporary Muslim World (3 cr)
IS 326  Africa Today (3 cr)
Phil 307  Buddhism (3 cr)
PolS 420  Introduction to Asian Politics (3 cr)

Courses to total 120 credits for this degree
Other courses with an international component may be used as electives with permission of the school director.
4. Change the curricular requirements of **International Studies** (Minor) [**Effective:** Summer 2014]

In consultation with the school director, students electing this academic minor submit an individual study plan emphasizing (a) international relations, (b) international economics and business, or (c) global resources and development.

1. **Basic Credit Requirements.** At least 21 credits selected from the list of courses approved by the Martin School of International Studies, consisting of the following:
   - a minimum of 6 credits chosen from Anth 220, EnvS 225, Engl 485, Geog 200, IS 195, IS 310, JAMM 490, PoIS 205*, PoIS 237*, or Soc 350
   - a minimum of 6 credits from one of the following issue emphases: international relations, international economics and business, global resources and development (see courses above)
   - a minimum of 6 credits from one of the following regional emphases: Latin America, Europe, Asia (see courses above)

2. **Limitations.** No course to be counted toward the minor may be taken by directed study without prior approval by the ISC.

Courses to total 21 credits for this minor

*Note: Student may take PoIS 205 or PoIS 237, but not both, to satisfy the requirements of this minor

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**Law**

1. Add the following course [**Effective:** Summer 2014]

    **Law 852 Natural Resource and Environmental Law Field Course (2 cr)**

    Summer field course exploring the implementation of natural resource and environmental law on the ground in Idaho, focusing on the effects of state and federal resource management and protection statutes on public and private landscapes. Accelerated course.

    **Prereq:** Permission

    Recommended Short Course Title: NREL Field Course

2. Change the following course [**Effective:** Summer 2014]

    **Law 962 Professional Responsibility (2-3 cr)**

    Status and function of the legal profession, responsibility to clients, the profession, the public, and the administration of justice. This course must be taken no later than the summer following the second year of law studies.

3. Change the curricular requirements of **Law** (J.D.) [**Effective:** Summer 2014]

   Required course work includes the College of Law requirements and the following:

   Law 805    Civil Procedure and Introduction to Law (3 cr)
   Law 806    Civil Procedure II (3 cr)
   Law 807    Property (4 cr)
   Law 809    Torts (4 cr)
   Law 812    Criminal Law (3 cr)
   Law 813    Contracts (4 cr)
   Law 815    Legal Research and Writing (0 or 5 cr, max 5)
   Law 816    Constitutional Law I (4 cr)
   Law 820    **Statutory Reading and Interpretation (3 cr)**
   Law 905    Constitutional Law II (3 cr)
   Law 962    Professional Responsibility (2 cr)

   Two credits chosen from the following (2 cr):
   Law 912    Civil Mediation (2 cr)
   Law 913    Family Mediation (2 cr)
   Law 914    Dispute Resolution (1 cr, max 4)
   Law 917    Negotiation and Appropriate Dispute Resolution (3 cr)
   Law 954    Trial Skills (3 cr)
   Law 956    Moot Court (1-2 cr)
   Law 957    Mock Trial (2 cr)
   Law 958    Trial Advocacy (2 cr)
   Law 966    Legal Drafting (2 cr)
   Law 967    Advanced Legal Writing (2 cr)
   Law 970    Advanced Legal Research (2 cr)
   Law 971    Lawyering Process Seminar (2 cr)
   Law 974    Legal Aid Clinic (1-3 cr, max 6)
   Law 975    Classroom Credit Public Service Externship (1-5 cr, max 10)
   Law 976    Semester in Practice (1-12 cr, max 12)
   Law 977    Clinical Lab (1 cr, max 4)
   Law 978    Small Business Legal Clinic (1-3 cr, max 6)
   Law 986    Judicial Clerkship Seminar (1 cr)
Law 987  Law Practice Management (1-2 cr)
Law 991  Skills Practicum (cr arr)
Law 993  Appellate Clinic (1-3 cr, max 6)
Law 994  Economic Development Clinic (1-3 cr, max 6)

One Upper-Division Writing Course

40 Hours of uncompensated law related pro bono service

Courses to total 90 credits for this degree

Students may choose to complete one of the following four emphases. To complete a J.D. with any of the listed emphases a student must complete the above general J.D. requirements and the requirements of one of the emphases.

A. Business Law & Entrepreneurship Emphasis

Students pursuing this emphasis must earn a minimum grade of 'C' in each course taken to satisfy Business Law & Entrepreneurship emphasis requirements, plus a cumulative 2.50 grade point average over all courses used to satisfy Business Law & Entrepreneurship emphasis requirements.

Law 919  Business Associations (4 cr)
Law 925  Property Security (3 cr)
Law 930  Taxation (3-4 cr)

One class chosen from the following:

Law 912  Civil Mediation (2 cr)
Law 917  Negotiation and Appropriate Dispute Resolution (3 cr)
Law 932  Negotiable Instruments, Bank Collections and Deposits, and Other Payment Systems (3 cr)
Law 976  Semester in Practice (1-12 cr, max 12)

One class chosen from the following:

Law 981  Critical Legal Studies Journal (1-4 cr, max 4)
Law 982  Law Review (1-4 cr, max 4)
Law 983  Directed Study (1-2 cr, max 4)

One of the following groups of courses:

Group A

Twelve credits chosen from the following (12 cr):

Law 903  Introduction to Intellectual Property (3 cr)
Law 907  Administrative Law (3 cr)
Law 908  Workplace Law (4 cr)
Law 910  Antitrust (3 cr)
Law 920  Securities Regulation (3 cr)
Law 921  Accounting for Law Students (2 cr)
Law 922  Trademarks and Trade Dress (2 cr)
Law 924  Sales (3 cr)
Law 927  Business Entities Taxation (4 cr)
Law 984  Real Estate Transactions (2-3 cr)

Group B

Law 923  Negotiable Instruments, Bank Collections and Deposits, and Other Payment Systems (3 cr)
Law 924  Sales (3 cr)

Six credits chosen from the following (6 cr):

Law 907  Administrative Law (3 cr)
Law 911  Principles of Suretyship (2 cr)
Law 926  Bankruptcy (3 cr)
Law 927  Business Entities Taxation (4 cr)
Law 984  Real Estate Transactions (2-3 cr)
Law 990  Consumer Law (3 cr)

Group C

Law 903  Introduction to Intellectual Property (3 cr)

Two classes chosen from the following:

Law 922  Trademarks and Trade Dress (2 cr)
Law 931  Patents (2 cr)
Law 980  Copyrights (2-3 cr)

Five credits chosen from the following (5 cr):

Law 907  Administrative Law (3 cr)
Law 910  Antitrust (3 cr)
Law 918  Cyberlaw (2-3 cr)
Law 922  Trademarks and Trade Dress (2 cr)
Law 931  Patents (2 cr)
Law 980  Copyrights (2-3 cr)
Law 989  Mass Media Law (2 cr)

Courses to total 90 credits for this degree

B. Litigation & Alternative Dispute Resolution Emphasis

A minimum of one doctrinal class in Law 904, Law 907, Law 930, Law 952, Law 953, Law 960, or Law 985 is required.

Students pursuing this emphasis must earn a minimum grade of 'C' in each course taken to satisfy Litigation & Alternative Dispute Resolution emphasis requirements, plus a cumulative 2.50 grade point average over all courses used to satisfy Litigation & Alternative Dispute Resolution emphasis requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law 917</td>
<td>Negotiation and Appropriate Dispute Resolution (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 950</td>
<td>Evidence (3 cr)</td>
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<tr>
<td>Law 954</td>
<td>Trial Skills (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 958</td>
<td>Trial Advocacy (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 912</td>
<td>Civil Mediation (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 913</td>
<td>Family Mediation (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 956</td>
<td>Moot Court (1-2 cr)</td>
<td></td>
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<tr>
<td>Law 957</td>
<td>Mock Trial (2 cr)</td>
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<tr>
<td>Law 974</td>
<td>Legal Aid Clinic (1-3 cr, max 6)</td>
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</tbody>
</table>

Ten credits from the following (10 cr):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law 904</td>
<td>Federal Courts (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 907</td>
<td>Administrative Law (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 914</td>
<td>Dispute Resolution (1 cr, max 4)</td>
<td></td>
</tr>
<tr>
<td>Law 930</td>
<td>Taxation (3-4 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 952</td>
<td>Remedies (3 cr)</td>
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</tr>
<tr>
<td>Law 953</td>
<td>Criminal Procedure (3 cr)</td>
<td></td>
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<tr>
<td>Law 955</td>
<td>Appellate Advocacy Program (2 cr)</td>
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</tr>
<tr>
<td>Law 960</td>
<td>Conflict of Laws (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 966</td>
<td>Legal Drafting (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 967</td>
<td>Advanced Legal Writing (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 970</td>
<td>Advanced Legal Research (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 971</td>
<td>Lawyering Process Seminar (2 cr)</td>
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<tr>
<td>Law 973</td>
<td>Non-Classroom Credit Public Service Externship (1-10 cr, max 10)</td>
<td></td>
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<tr>
<td>Law 974</td>
<td>Legal Aid Clinic (1-3 cr, max 6)</td>
<td></td>
</tr>
<tr>
<td>Law 975</td>
<td>Classroom Credit Public Service Externship (1-5 cr, max 10)</td>
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<tr>
<td>Law 976</td>
<td>Semester in Practice (1-12 cr, max 12)</td>
<td></td>
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<tr>
<td>Law 977</td>
<td>Clinical Lab (1 cr, max 4)</td>
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<tr>
<td>Law 985</td>
<td>Immigration Law and Policy (3 cr)</td>
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<tr>
<td>Law 993</td>
<td>Appellate Clinic (1-3 cr, max 6)</td>
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<tr>
<td>Law 995</td>
<td>General Practice/Domestic Violence &amp; Sexual Assault Clinic (1-3 cr, max 6)</td>
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<tr>
<td>Law 996</td>
<td>Immigration Law Clinic (1-3 cr, max 6)</td>
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<tr>
<td>Law 997</td>
<td>Mediation Clinic (1-3 cr, max 6)</td>
<td></td>
</tr>
<tr>
<td>Law 998</td>
<td>Tax Clinic (2-3 cr, max 6)</td>
<td></td>
</tr>
</tbody>
</table>

Courses to total 90 credits for this degree

C. Native American Law Emphasis

Students pursuing this emphasis must earn a minimum grade of 'C' in each course taken to satisfy Native American Law emphasis requirements, plus a cumulative 2.50 grade point average over all courses used to satisfy Native American Law emphasis requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law 979</td>
<td>Native American Natural Resource Law (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 928</td>
<td>Tribal Nation Economics and Law (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 949</td>
<td>Native American Law (3 cr)</td>
<td></td>
</tr>
</tbody>
</table>

Students must complete one of the following tracks. Substitution from UI and WSU graduate courses allowed for one course in each track with pre-approval of Native American Law Emphasis Advisor:

Economics Development Track

Six credits chosen from the following (6 cr):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law 903</td>
<td>Introduction to Intellectual Property (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 907</td>
<td>Administrative Law (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 908</td>
<td>Workplace Law (4 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 910</td>
<td>Antitrust (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 919</td>
<td>Business Associations (4 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 921</td>
<td>Accounting for Law Students (2 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 923</td>
<td>Negotiable Instruments, Bank Collections and Deposits, and Other Payment Systems (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 925</td>
<td>Property Security (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 926</td>
<td>Bankruptcy (3 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 927</td>
<td>Business Entities Taxation (4 cr)</td>
<td></td>
</tr>
<tr>
<td>Law 930</td>
<td>Taxation (3-4 cr)</td>
<td></td>
</tr>
</tbody>
</table>
Law 931  Patents (2 cr)
Law 932  Estate Planning (3 cr)
Law 933  State Debtor-Creditor Law (2 cr)
Law 945  Community Property (2 cr)
Law 984  Real Estate Transactions (2-3 cr)

**Family Law Track**
Six credits chosen from the following (6 cr):
Law 913  Family Mediation (2 cr)
Law 940  International Human Rights (3 cr)
Law 941  Wills, Estates, and Trusts (3 cr)
Law 963  Family Law (3 cr)
Law 964  Children and the Law (3 cr)
Law 965  Elder Law (2 cr)
Law 968  Domestic Violence and the Law (2-3 cr)
Law 985  Immigration Law and Policy (3 cr)

**Governance Track**
Six credits chosen from the following (6 cr):
Law 904  Federal Courts (3 cr)
Law 907  Administrative Law (3 cr)
Law 908  Workplace Law (4 cr)
Law 912  Civil Mediation (2 cr)
Law 916  Public International Law (3 cr)
Law 917  Negotiation and Appropriate Dispute Resolution (3 cr)
Law 934  Land-Use Law and Planning (3 cr)
Law 944  State and Local Government Law (3 cr)
Law 959  Critical Legal Studies (2-3 cr, max 3)
Law 960  Conflict of Laws (2 cr)
Law 961  Jurisprudence (2 cr)

**Natural Resource Management Track**
Six credits chosen from the following (6 cr):
Law 906  Natural Resources Law Seminar (3 cr)
Law 934  Land-Use Law and Planning (3 cr)
Law 937  Wildlife Law and Policy (3 cr)
Law 938  International Environmental and Water Law (3 cr)
Law 939  Law, Science, and the Environment (2 cr)
Law 942  Water Law I (1 cr)
Law 946  Water and Energy Policy Seminar (2 cr)
Law 947  Environmental Law (3 cr)
Law 948  Natural Resource Law and Policy (3 cr)
Law 951  Environmental Policy (3 cr)
Law 969  Water Law II (2 cr)

**Self Directed Track**
Six credits in courses pre-approved by the Native American Law Advisor emphasis advisor

Courses to total 90 credits for this degree

**D. Natural Resources and Environmental Law Emphasis**
Students pursuing this emphasis must earn a minimum grade of ‘C’ in each course taken to satisfy Natural Resources and Environmental Law emphasis requirements, plus a cumulative 2.50 grade point average over all courses used to satisfy Natural Resources and Environmental Law emphasis requirements.

One class chosen from the following:
Law 912  Civil Mediation (2 cr)
Law 913  Family Mediation (2 cr)
Law 914  Dispute Resolution (1 cr, max 4)
Law 917  Negotiation and Appropriate Dispute Resolution (3 cr)
Law 954  Trial Skills (3 cr)
Law 956  Moot Court (1-2 cr)
Law 957  Mock Trial (2 cr)
Law 958  Trial Advocacy (2 cr)
Law 971  Lawyering Process Seminar (2 cr)
Law 974  Legal Aid Clinic (1-3 cr, max 6)
Law 975  Classroom Credit Public Service Externship (1-5 cr, max 10)
Law 976  Semester in Practice (1-12 cr, max 12)
Law 977  Clinical Lab (1 cr, max 4)
Law 978  Small Business Legal Clinic (1-3 cr, max 6)

Twelve credits chosen from the following (12 cr):
Law 906  Natural Resources Law Seminar (3 cr)
Law 934  Land-Use Law and Planning (3 cr)
Law 937  Wildlife Law and Policy (3 cr)
Law 938  International Environmental and Water Law (3 cr)
Law 939  Law, Science, and the Environment (2 cr)
Law 942  Water Law I (1 cr)
Law 946  Water and Energy Policy Seminar (2 cr)
Law 947  Environmental Law (3 cr)
Law 949  Native American Law (3 cr)
Law 951  Environmental Policy (3 cr)
Law 969  Water Law II (2 cr)
WR 506  Interdisciplinary Methods in Water Resources (3 cr)

Courses to total 90 credits for this degree

Leadership and Counseling

1. Change the following courses [Effective: Summer 2014]

   **AOLL 507  Future of Education and Work for Sustainability (3 cr)**
   Study and application of secondary and postsecondary curriculum and instruction focusing on sustainability as it relates to technical education, workforce and organizational development, “green” technologies and Science, Technology, Engineering and Mathematics (STEM).

   **AOLL 570  Introduction to Research in Workforce Education Adult/Organizational Learning and Leadership (3 cr)**
   The first emphasis of this course is to help workforce education students find, interpret and evaluate scholarly research. The second emphasis is to prepare students to conceptualize, design, and conduct various forms of action research.

   Proposed Short Course Title: Intro to Research in AOLL

   **AOLL 581  Theory & Practices & Challenges of Sustainable Leadership (3 cr)**
   Analysis and study of leadership of the human resource in organizations; theories, styles, and methods of sustainable leadership developed from past leaders blended with current models of leadership.

   Proposed Short Course Title: ????

   **AOLL ED 628  Program Evaluation (3 cr)**
   Schools, organizations, and community agencies are being increasingly held accountable for their respective programs. This course addresses how action research can be a powerful tool for empirically evaluating all aspects of a given program. Recommended Preparation: foundations and/or introduction to research.

   Prereq: Enrollment to a doctoral program ED 573

   **AOLL ED 668  Writing for Publication (3 cr)**
   Development of knowledge, skills, and potential of researchers and other writers desiring to prepare and publish manuscripts in education or other professional and trade journals; technical and theoretical aspects of writing for publication and the process of manuscript preparation, submission, and editing.

   Prereq: Enrollment in a doctoral program in Education

Mathematics

1. Change the following courses [Effective: Summer 2014]

   **Math 415  Cryptography (3 cr)**
   Congruences, Modular Arithmetic, Private-key cryptosystems, Public-key cryptosystems, and Applications. The role of modern mathematics in information age society.

   Prereq: Math 330

   **Math 451  Probability Theory (3 cr)**
   Same as Stat 451. Random variables, expectation, special distributions (normal, binomial, exponential, etc.), moment generating functions, law of large numbers, central limit theorem. Cooperative: open to WSU degree-seeking students. (Fall only)

   Prereq or Coreq: Math 275, Graduate standing, or Permission

   **Math 571  Functional Analysis I (3 cr)**
   Linear topological spaces and linear operators. (Fall, Alt/yrs)

   Prereq: Math 536

   **Math 572  Functional Analysis II (3 cr)**
   Linear topological spaces and linear operators. (Spring, Alt/yrs)

   Prereq: Math 536
Math 576  Graph Theory II (3 cr)
Basic concepts and theorems; topics include trees and connectivity, eulerian and hamiltonian graphs, graph colorings, matchings, graph decomposition, and extremal graph theory. (Spring, Alt/yr)
Prereq: Instructor Permission

2. Change the curricular requirements of Mathematics (B.S.) [Effective: Summer 2014]

E. Applied - Actuarial Science and Finance Option
This curriculum provides the background to become an actuary and work in the insurance industry, or to work in finance.

Math courses:
Math 310  Ordinary Differential Equations (3 cr)
Math 451  Probability Theory (3 cr)
Math 452  Mathematical Statistics (3 cr)
Three additional courses chosen from Math courses numbered above 400 or Stat 422 (9 cr)

Supporting courses:
Acct 201  Introduction to Financial Accounting (3 cr)
Acct 202  Introduction to Managerial Accounting (3 cr)
Econ 201  Principles of Macroeconomics (3 cr)
Econ 202  Principles of Microeconomics (3 cr)
Bus 339  Spreadsheet Modeling (1-3 cr)
One of the following choices (4-6 cr):
Econ 201  Principles of Macroeconomics (3 cr)
Econ 202  Principles of Microeconomics (3 cr)
OR
Econ 272  Foundations of Econ Analysis (4 cr)

One of the following (3 cr):
Bus 301  Financial Management (3 cr)*
Bus 342  Product and Process Planning (3 cr)*

One of the following (3-4 cr):
CS 112  Introduction to Problem Solving and Programming (3 cr)
CS 120  Computer Science I (4 cr)

One of the following (3 cr):
Stat 251  Statistical Methods (3 cr)
Stat 301  Probability and Statistics (preferred) (3 cr)

One of the following (3 cr):
Stat 426  SAS Programming (3 cr)
Stat 431  Statistical Analysis (3 cr)
At least three courses selected from the following (7-9 cr):
Bus 302  Intermediate Financial Management (3 cr)
Bus 381  International Finance (3 cr)
Bus 408  Security Analysis (3 cr)
Bus 463  Portfolio Management (3 cr)
Bus 464  Derivatives and Risk Management (3 cr)
Bus 465  Introduction to Market Trading (3 cr)
Bus 469  Risk and Insurance (3 cr)
Econ 351  Intermediate Macroeconomic Analysis (3 cr)
Econ 352  Intermediate Microeconomic Analysis (3 cr)
Math 455  Applied Actuarial Science (1 cr)
One course selected from of the following (3 cr):
Stat 433  Econometrics (3 cr)
Stat 550  Regression (3 cr)

Courses to total 120 credits for this degree

Modern Languages

1. Drop the following course [Effective: Summer 2014]

FLEN 450 (s) Topics in Classical Civilization (3 cr, max 9)
See Hist 450.

2. Change the following course [Effective: Summer 2014]
FLEN 243 English Word Origins (2-3 cr)
Fundamental Latin and Greek roots of words used in the humanities, social and natural science; emphasis on terminology of fields in which students are interested; introduction to the history of the English Language and its relationship with other languages; knowledge of Greek or Latin is not required.

Movement Sciences

1. Drop the following courses [Effective: Summer 2014]

   MvSc 210 Meaning of Movement and Injury Prevention (2 cr)
   Explores the meaning of movement and injury prevention through a phenomenological approach. Develops skills necessary to find meaning in movement across the lifespan. 1-2 lec cr and 1 lab cr.
   Prereq: Major in Athletic Training, Dance, Exercise Science and Health, Physical Education Teacher Education or Recreation
   Coreq: MvSc 201

   MvSc 350 Practicum in Physical Activity Behavior Change (1 cr)
   Students will apply the concepts learned in MvSc 201 and MvSc 210 to effect change in the personal behavior related to physical activity. 1 recitation and 2 outside hours per week.
   Prereq: MvSc 201, MvSc 210 and major in Athletic Training, Dance, Exercise Science and Health, Physical Education Teacher Education or Recreation

   MvSc 351 Social and Environmental Aspects of Physical Activity (1 cr)
   This course will (a) examine the major social and environmental determinants of physical-activity behavior; and (b) explore intervention strategies designed to create social environments that facilitate and enhance physical activity among groups and communities. Emphasis will be placed on using theory and research to promote physical activity in various settings.
   Prereq: MvSc 350 and major in Athletic Training, Dance, Exercise Science and Health, Physical Education Teacher Education, or Recreation.
   Coreq: MvSc 429

2. Add the following courses [Effective: Summer 2014]

   PEP J463/J563 Physical Activity, Health and Metabolic Disease (3 cr)
   An introduction to the history of physical activity and health, adaptations to training, and benefits of physical activity as related to specific metabolic disease states and conditions (e.g., insulin resistance). Students will be required to read and discuss pertinent literature in physical activity and health. Additional projects/assignments reqd for grad cr.
   Prereq: PEP 418

   Proposed Short Course Title: Phys Activity Health & Disease

3. Change the following courses [Effective: Summer 2014]

   AT 620 Clinical Research Methods in Athletic Training I (3 cr)
   This course introduces common research performed in Athletic Training. Development of in-depth understanding in areas and types of research underlying quantitative research design will be explored. Introduction to critiquing literature for the purpose of developing a theoretical framework will be included.
   Prereq: Permission

   Proposed Short Course Title: Research Methods in AT I

   AT 621 Clinical Research Methods in Athletic Training II (3 cr)
   This course introduces Statistical methods employed in clinical research. Topics including statistical terminology, measures of central tendency, Hypothesis testing and common parametric tests will be the content for the course.
   Prereq: Permission

   Proposed Short Course Title: Research Methods in AT II

   AT 622 Clinical Research in Athletic Training III Advanced Action Research in Athletic Training (3 cr)
   This course is a continuation of clinical research in athletic training, and advances the students understanding of research methods in action research. This course applies statistical methods to common measures in clinical research and introduces survey research and other qualitative measures.
   Prereq: Permission AT 620 and AT 621

   Proposed Short Course Title: Advanced Action Research in AT

   AT 623 Clinical Research in Athletic Training IV Qualitative Methods and Research Design in Athletic Training (3 cr)
   This course introduces common qualitative methodologies and survey research design in AT. This course sets the foundation for action research in clinical practice. Development of a research question and justification with literature review will be employed. Purpose and methods of institutional review will be evaluated. Further discussion will elucidate the importance of becoming a scholarly practitioner.
   Prereq: Permission AT 620, AT 621, and AT 622
Proposed Short Course Title: Qual Methods in AT

**AT 624 Clinical Research in Athletic Training V Quantitative Methods and Statistics in Athletic Training (3 cr)**
This course is a continuation of clinical research in athletic training and advances the students understanding of quantitative research methods and statistics utilized in health professions. This continues the process of action research in clinical practice. Development of methods to test a chosen hypothesis will be created. Exploration of statistical methods to test the clinician’s hypothesis will be compared. Data collection will begin.
Prereq: Permission AT 620, AT 621, AT 622, and AT 623

Proposed Short Course Title: Quant Methods & Stats in AT

**AT 625 Clinical Research in Athletic Training V Dissertation of Clinical Practice Improvement: Analysis and Dissemination of Action Research Project (3 cr)**
This course explores the different factors that go into finding, obtaining, and getting the most out of an internship. Emphasis is placed on such skills related to understanding the student’s chosen field/career path, professionalism, communication, and dealing with adversity in the work place. In addition, emphasis will be placed on student understanding of what is expected during the internship from an academic perspective.
Prereq: Permission AT 620, AT 621, AT 622, AT 623, and AT 624

Proposed Short Course Title: Dissertation of CPI

**MvSc 445 Internship Practicum Preparation and Professional Development (1 cr)**
This course explores the different factors that go into finding, obtaining, and getting the most out of an internship. Emphasis is placed on such skills related to understanding the student’s chosen field/career path, professionalism, communication, and dealing with adversity in the work place. In addition, emphasis will be placed on student understanding of what is expected during the internship from an academic perspective.
Prereq: PEP 100MvSc 201

Proposed Short Course Title: Int Prep & Prof Development

**PEP 350 Elementary Health and Physical Education (3 cr)**
Specific methods, research, curricula, and media in teaching elementary health and physical education. Three lecture/lab hours per week and 15 hours of practicum work in the schools and community.
Prereq or Coreq: EDCI 327, EDCI 328, and EDCI 329

**PEP 418 Physiology of Exercise (3 cr)**
Effects of physical activity on the circulatory, respiratory, and other systems. Two lec and one 2-hr lab a wk.
Prereq: MvSc 350, Biol 120, and Biol 121; or Permission

**PEP 424 Inclusive Physical Education and Recreation (3 cr)**
Same as Rec 424. To provide an overview of movement and physical activities in physical education and recreational settings for individuals with disabilities. Emphasis will be on history, etiology, characteristics, services, resources, professional competencies, and instructional strategies. Practical experience (16 hrs in the community) is required to enhance instructional abilities to adapt and create an inclusive physical education and recreational setting for all participants.
Prereq: Acceptance into the teacher education or PEP 243 Senior standing or Permission

**PEP 455 Design & Analysis of Research in HPERD Movement Sciences (3 cr)**
Same as H&S 455 and Rec 455. This course is designed to survey the basic types of research methods often found in health, physical education, sport exercise science and health; and recreation. A variety of research designs and computerized statistical analyses are studied to help students understand the systematic nature of problem solving. Various research problems as they relate to health, physical education, exercise science and health; and recreation, and human performance are discussed for the purpose of identifying the broad and diverse nature of research in the movement, leisure, and health professions. (Spring only)
Prereq: Junior or Senior standing

Proposed Short Course Title: Design & Analysis in MvSc

**PEP 493 Fitness Assessment and Prescription (3 cr)**
Development of skills in exercise testing, data interpretation, and prescription for health related fitness. Two lec and 2 hrs of lab per wk. (Spring only)
Prereq: Senior Standing and PEP 418; or Permission

4. the curricular requirements of All Movement Science Majors (All Majors) [Effective: Summer 2014]

Courses required in all majors in the Department of Movement Sciences:

- CTE 111 Computer Skills or approved elective (3 cr)
- MvSc 201 Physical Activity, Wellness & Behavior Change for Healthy Active Lifestyles (3 cr)
- MvSc 429 Leadership, Pedagogy and Program Planning for Healthy Active Lifestyles (3 cr)
5. Change the curricular requirements of Exercise Science and Health (B.S.E.S.H.) [Effective: Summer 2014]

Exercise Science & Health majors must maintain a UI cumulative GPA of 2.30 or better in order to enroll in 300-level or higher Movement Science sequence coursework. In addition, Exercise Science & Health majors must have a UI cumulative GPA of 2.30 or greater to graduate. Required course work includes the university requirements (see regulation J-3), the Department of Movement Sciences core, and the following.

- Biol 120 Human Anatomy (4 cr)
- Biol 121 Human Physiology (4 cr)
- Comm 101 Fundamentals of Public Speaking (2 cr)
- FCS 205 Concepts in Human Nutrition (3 cr)
- H&S 245 Introduction to Athletic Injuries (3 cr)
- H&S 451 Psychosocial Determinants of Health (3 cr)
- PEP 100 Introduction to Exercise Science & Health (1 cr)
- PEP 300 Applied Human Anatomy and Biomechanics (3 cr)
- PEP 418 Physiology of Exercise (3 cr)
- PEP 455 Design & Analysis of Research in HPERD (3 cr)
- PEP 493 Fitness Assessment and Prescription (3 cr)

One of the following tracks:

Music

1. Drop the following courses [Effective: Summer 2014]

   **MusT 381 Elementary School Music Methods for Nonmajors (3 cr)**
   Curriculum, organization, and instructional materials for teaching general classroom music. This course is intended for elementary classroom teachers, nonmusic majors. One out-of-class field teaching experience may be scheduled.
   Prereq: Permission

   **MusT 467 Band Literature and Rehearsal Techniques (1 cr)**
   Music, materials and rehearsal techniques for bands in public schools. (Fall only)
   Prereq: MusT 383

   **MusT 485 Choral Ensemble Rehearsal Techniques (1 cr, max arr)**
   Various techniques of rehearsing singers in an ensemble. (Fall, Alt/everyrs)
   Coreq: MusT 385

   **MusT 486 Orchestral Literature and Rehearsal Techniques (1 cr, max arr)**
   Music, materials and rehearsal techniques for string ensembles in public schools. (Spring only)
   Prereq or Coreq: MusT 251, MusT 383, and MusA 387
   Coreq: MusT 386 or Permission

   Recommended Equivalent Course: MusT 256

2. Add the following courses [Effective: Summer 2014]

   **MusT 256 String Techniques and Orchestral Literature (1 cr)**
   Group Instruction. Continued study of problems of playing and teaching stringed instruments, including music literature and materials, elementary and secondary schools.
   Prereq: MusT 251

   Recommended Short Course Title: String Tech/Orch Lit

   **MusX 301 Technology for Musicians (1 cr)**
   Current applicable music technologies and software, as well as lighting, acoustics, recording, sound reinforcement and troubleshooting associated with technology.
   Prereq: Music major or Permission

3. Change the following courses [Effective: Summer 2014]

   **MusA J455/J555 Keyboard Performance Practices (1 cr)**
   Study of interpretation of keyboard music from Baroque through 20th century; learn to interpret scores, teach, and perform keyboard music stylistically, acquire knowledge of major performing artists and recordings from each period of music. Registration for graduate credit requires
additional research into original treatises from each period of music, resulting in the editing of a piece of music from each of these periods.  
(Fall, Alt/ odd even yrs).

**MusC J437/J537  Music in Film (3 cr)**
A seminar in the processes, techniques and evaluation of music as used in film. Materials will change each time the course is offered but the major focus will be on main-stream motion pictures. Students enrolled for graduate credit will be expected to complete deeper analysis of selected film scores, and to make a presentation in class.  
(Fall, Alt/ even odd yrs)

**Prereq:** MusC 342 or Permission

**MusH 330 History of Music Theatre (3 cr)**
A study of the development of American musical theatre. Students will analyze the forms and styles of representative works. May not be counted as a required music history elective for music majors.  
(Spring, Alt/even yrs)

**MusH 452 Solo Vocal Repertoire (2 cr)**
Historical and analytical survey of solo vocal literature.  
(Fall, Alt/even yrs)

**Prereq:**

**MusH J454/J554  Keyboard Repertoire I (2 cr)**
Content will cover the development of keyboard literature from J.S. Bach through Beethoven. Additional projects/assignments required for graduate credit.  
(Fall, Alt/odd yrs)

**Prereq:** Junior standing and Permission

**MusH J455/J555  Keyboard Repertoire II (2 cr)**
Content will cover the development of keyboard literature from Schubert to present. Additional projects/assignments required for graduate credit.  
(Spring, Alt/even yrs)

**Prereq:** Junior standing and Permission

**MusH J456/J556  Choral Literature I (2 cr)**
Historical and analytical survey of choral literature from the early Renaissance through Classical era. Additional projects/assignments required for graduate credit.  
**Prereq for MusH 456:** Junior Standing

**MusT 382  Elementary School General Music Methods for Music Majors (3 cr)**
Curriculum: design, organization, instructional materials, and methodologies (including Orff, Kodaly and Dalcroze approaches) strategies for teaching general music in grades K-8. Elementary general music. Must be taken before enrolling in MusT 432. Practicum: Approximately three five field teaching experiences must be scheduled in general music classrooms in the elementary schools outside of class time.  
(Spring only)

**Prereq:** EDCI 201 and admission to the teacher education program; or Permission

**Prereq or Coreq:** MusT 383

**MusT 383 Principles of Music Teaching (3 cr)**
Philosophy, principles, curriculum, and organization of the school music program; world music pedagogy; teaching cultural diverse learners. Must be taken before enrolling in MusT 432.  
(Fall only)

**Prereq:** EDCI 201, MusC 142, and admission to teacher education program; or Permission

**MusT 385 Choral Music in the Secondary School (2-3 cr)**
Methods, instructional materials, rehearsal techniques and techniques for teaching choral music in grades 7-12. Includes practicum hours. Two lec and one lab a wk. Must be taken before enrolling in MusT 432.  
(Fall, Alt/even yrs)

**Prereq:** 1 cr in MusA 116/MusA 316 or 1 cr in MusA 117/MusA 317 and MusC 142

**Prereq or Coreq:** 1 additional cr in MusA 116/MusA 316 or 1 cr in MusA 117/MusA 317 and MusT 383; and, MusA 387 or Permission

**MusT 386 Instrumental Music in the Secondary School (2-3 cr)**
Methods, instructional materials, rehearsal techniques and techniques for teaching instrumental music in grades 7-12. Includes practicum hours. Two lec and one lab a wk. Must be taken before enrolling in MusT 432.  
(Spring only)

**Prereq:** MusC 142

**Prereq or Coreq:** MusT 383, MusA 387, or Permission

**MusT 432 (s) Practicum: Music Teaching (7-14 cr)**
Supervised music teaching in public schools. Graded P/F.  
**Prereq:** Successful completion of all required course work for the Music Education: Vocal, Instrumental, or Vocal-Instrumental major, cumulative GPA of 2.75, acceptance to the College of Education and permission of the School of Music. The keyboard proficiency exam must be completed during the regularly scheduled exam by the tenth class day of the semester prior to the semester of student teaching.  
**Coreq:** MusT 445

**MusT J435/J535 (s) Pedagogy and Materials (2 cr, max arr)**
Methods and materials of performance techniques for each performance field. Additional projects/assignments required for graduate credit. 
(Vocal Pedagogy – Spring, Alt/odd yrs)

Minimum Grade Requirement. A music student, either major or minor, must achieve a minimum grade of C in each music course, either resident or transfer, which is applicable to a degree program in music before the student will be eligible for graduation. BFA musical theatre majors must achieve a minimum grade of C in each music, theatre and dance course which is applicable to the musical theatre major before the student will be eligible for graduation.

MusH 101 and 111. Music majors may NOT use MusH 111 to satisfy UI general education curriculum requirements. MusH 111 is part of the professional course work—12 credits in music history—required for the major.

If a music major takes MusH 101, he or she must have 14 credits of courses other than MusH 101 in order to satisfy the humanities/social sciences general education requirement.

If a transfer student has taken a 100-level survey of music course prior to enrollment as a music major in the School of Music, the student may use this course in lieu of MusH 111. If world music was not addressed in the transfer course, students will have to meet a level of competency in world music.

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.

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.

Convocation-Recital Attendance. Because listening experiences constitute an area of major importance in the study of music, all music majors (excluding BFA musical theatre majors) and music minors are required to register for MusX 140, Convocation; music majors must attend 10 recitals per semester for seven semesters and music minors must attend 10 recitals per semester for two semesters. Students must attend a full concert or program in order for it to be counted toward convocation-recital requirements. Recital credit will not be granted for those performances in which a student participates. In addition, music majors must attend the weekly convocation series (studio class, area recital, and convocation). Transfer students are expected to enroll in MusX 140 during their first registration, and to receive a passing grade in a specific number of semesters (to be determined when the student's program is set up). Transfer students must have a minimum of two semesters of convocation at UI.

Upper-Division Standing (UDS). For a B.Mus., B.A. and B.S. music major to enroll in MusA 324 or MusA 334, the student must have been granted upper-division standing (UDS). Except for double majors where one major is not in music, 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
5. Change the curricular requirements of Music Education: Vocal (B.Mus.) [Effective: Summer 2013]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section.

Required course work includes the university requirements (see regulation J-3) and the specific requirements in one of the two sections below:

A. Voice
Comm 101 Fundamentals of Public Speaking (2 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
Musa 114 Studio Instruction: Piano (2 cr)*
Musa 115 Studio Instruction (2 cr)
Musa 124 Studio Instruction: Voice (6 cr)
Musa 145 and Piano Class for Music Majors/Minors (2 cr)
Musa 245 Piano Class for Music Majors/Minors (2 cr)
Musa 246 Piano Class for Music Majors/Minors (2 cr)
Musa 324 Studio Instruction: Voice (6 cr)
Musa 380 Opera/Musical Theatre Studio (1 cr)
Musa 387, 487 Conducting I, II (4 cr)
Musa 490 Half Recital (0 cr)
MusC 139, Aural Skills (6 cr)

Transfer students with at least two years of college study as a music major and double majors with one major outside of music may apply for UDS if they have at least one year of music theory, aural skills and piano, one semester of music history, four semesters of studio instruction at the music major level and the approval of the studio instructor or area coordinator in the case of voice and keyboard. An Upper Division Standing Jury examination presented after the third week will not count towards the semester in which it was presented. Students who fail to pass the UDS requirements within three tries are ineligible to continue to pursue a music major.

In order to register for upper-division music education courses (not including instrumental techniques courses), an undergraduate music education major must: (1) make application to upper-division music education courses by completing and submitting an application form (available in the music office) to the chair of the Music Education Committee–this should be done in the semester in which the student applies for upper division standing (UDS). If the student does not pass UDS, he/she must resubmit a music education application form; (2) successfully complete EDCI 201 and the necessary core courses to meet the requirements of the application to Teacher Education in the College of Education; (3) obtain a "C" or better in music courses and at least a 2.5 overall GPA; and (4) pass the studio instruction upper-division standing jury.

Application for Candidacy in the B.F.A. Musical Theatre Program. The Bachelor of Fine Arts degree in Musical Theatre is a rigorous training program for students wishing to pursue a career in musical theatre. In order for a B.F.A. candidate to enroll in MusA 324 Studio Instruction and The 425 Acting Studio, the student must be admitted to the B.F.A. Musical Theatre program. Students applying for candidacy in the B.F.A. Musical Theatre program must: (1) have completed MusC 141 Music Theory, MusC 139 Aural Skills, one semester of MusA 115 and two semesters of MusA 124 Studio Instruction, MusA 145 Class Piano and The 105 Basics of Performance, with a grade of "C" or better in all completed exams; (2) have completed or be currently enrolled in MusC 142 Music Theory, MusC 140 Aural Skills, MusH 101 Survey of Music or MusH 111 Introduction to Music Literature, a third semester of MusA 124 Studio Instruction, MusA 146 Class Piano, The 101 Intro to the Theatre, The 105 Basics of Performance and The 305 Intermediate Acting, with a grade of "C" or better in all completed courses; (3) have a minimum 3.0 overall GPA or better; (4) submit a portfolio; (5) have passed the B.F.A. audition demonstrating the mastery of the fundamentals of voice and acting and the potential to continue improving in a manner that will lead to the successful completion of the requirements of the degree and (6) have faculty approval. Transfer students with at least two years of college study as a musical theatre major, may apply for candidacy in the B.F.A. Musical Theatre program if they have at least one year of music theory, aural skills and piano, one semester of music history, four semesters of studio instruction at the music major level, and The 101 Intro to the Theatre, The 105/106 Basics of Performance and The 305 Intermediate Acting. Students who fail to pass the BFA audition within three tries are ineligible to continue to pursue a Musical Theatre major.

Diagnostic Exam in Theory and Aural Skills. The goal of this exam is to advise transfer students regarding deficiencies in their prior theory training; this exam is not available to freshmen. A study guide is available on the web. The exam is given during the first week of classes each semester, as needed. The exam will not be used for "advanced placement" or "credit by examination," as the regulations regarding these procedures are covered in regulation D-4. Written evaluation of each student's achievement will be placed in his or her advising file, and the student will be counseled appropriately.

Transfer Credits. Transfer credits will be accepted at the upper-division level only if taken at the upper-division level from the original institution (i.e., a 100- or 200-level course will not transfer as a 300- or 400-level course requirement). The applicability of these credits to the student's program of study is determined by the Lionel Hampton School of Music. If a transfer student has taken a 100-level survey of music course, the student may use this course in lieu of MusH 111, if he/she can demonstrate knowledge of world music. In order for a student to meet world music competency, he/she may:
1. participate in an ensemble such as MusA 365 World Beat Ensemble
2. take MusH 420 Studies in World Music

5. Change the curricular requirements of Music Education: Vocal (B.Mus.) [Effective: Summer 2013]
MusC 140, MusC 239, MusC 240
MusC 141, Theory of Music (10 cr)
MusC 142, MusC 241, MusC 242
MusC 328 Instrumental and Choral Arranging (3 cr)
MusH 111 Introduction to Music Literature (3 cr)
MusH 321 Music in Western Civilization (9 cr)
MusH 322, MusH 323
MusT 382 Elementary School Music Methods for Music Majors (3 cr)
MusT 383 Principles of Music Teaching (3 cr)
MusT 385 Choral Music in the Secondary School (2 cr)
MusT 432 Practicum: Music Teaching (14 cr)
MusT 435 Pedagogy and Materials: Voice (2 cr)
MusT 445 Proseminar in Music Teaching (2 cr)
MusT 485 Choral Ensemble Rehearsal Techniques (1 cr)
MusX 101 Orientation for Music Majors (0 cr)
MusX 140 Convocation (seven semesters) (0 cr)
MusX 283, MusX 284 Diction for Singers (4 cr)
Psyc 101 Introduction to Psychology (3 cr)

Major ensemble (six different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (6 cr)
Other ensemble (one semester chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus, MusA 118/318 Jazz Choir, MusA 365 Chamber Ensemble, MusA 380 Opera/Musical Theatre Studio) (1 cr)
Courses to total 128 credits for this degree

* Voice majors must register for piano class before enrolling in applied piano instruction.

6. Change the curricular requirements of Music Education: Instrumental (B.Mus.) [Effective: Summer 2013]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to “Admission to the Teacher Education Program” in the College of Education section.

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

Comm 101 Fundamentals of Public Speaking (2 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
MusA 115 Studio Instruction (2 cr)
MusA 124 Studio Instruction (6 cr)
MusA 145 and Piano Class for Music Majors/Minors (2 cr)
MusA 245
MusA 146 and Piano Class for Music Majors/Minors (2 cr)
MusA 246
MusA 387, Conducting I, II (4 cr)
MusA 487
MusA 324 Studio Instruction (6 cr)
MusA 490 Half Recital (0 cr)
MusC 139, Aural Skills (6 cr)
MusC 140, MusC 239, MusC 240
MusC 141, Theory of Music (10 cr)
MusC 142, MusC 241, MusC 242
MusC 328 Instrumental and Choral Arranging (3 cr)
MusH 111 Introduction to Music Literature (3 cr)
MusH 321 Music in Western Civilization (9 cr)
MusH 322, MusH 323
MusT 251, MusT 253, MusT 254, Instrumental Techniques (5 cr)
MusT 255, MusT 352
MusT 382 Elementary School Music Methods for Music Majors (3 cr)
MusT 383 Principles of Music Teaching (3 cr)
MusT 386 Instrumental Music in the Secondary School (2 cr)
MusT 432 Practicum: Music Teaching (14 cr)
MusT 445 Proseminar in Music Teaching (2 cr)
MusT 465 Jazz Band Rehearsal Techniques (1 cr)
MusT 466 Marching Band Techniques (1 cr)
MusT 467 Band Literature and Rehearsal Techniques (1 cr)
MusT 486 Orchestral Literature and Rehearsal Techniques (1 cr)
MusX 101 Orientation for Music Majors (0 cr)
MusX 140 Convocation (seven semesters) (0 cr)
Psyc 101 Introduction to Psychology (3 cr)

Major ensembles (six different semesters) (6 cr)*

Other ensembles (two different semesters chosen from MusA 119/319 Marching Band, MusA 121/321 Concert Band, MusA 122/322 Orchestra, or MusA 320 Wind Ensemble, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester)) (students whose major applied medium is keyboard must select MusA 315 Collaborative Piano to satisfy this requirement) (2 cr)

Courses to total 128 credits for this degree

Students may also complete an optional Emphasis in Jazz Education by completing the following course work (15 cr):

MusA 210 Jazz Improvisation (2 cr)
MusC 204 Special Topics: Jazz Arranging (2 cr)
MusC 329 Theoretical Basis of Jazz (2 cr)
MusH 410 Studies in Jazz History (3 cr)
MusT 465 Jazz Band Rehearsal Techniques (1 cr)

Electives in ensembles, combos, or applied study (5 cr)

* The major ensemble requirement must be completed in six different semesters; wind and percussion majors must register for three different semesters of MusA 119/319 Marching Band and three different semesters of MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. Wind and percussion majors may, by audition, substitute two semesters of MusA 122/322 Orchestra for MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. String majors must register for six different semesters of MusA 122/322 Orchestra and one semester of MusA 119/319 Marching Band. Keyboard and guitar majors must enroll in one semester of MusA 119/319 Marching Band. Keyboard and guitar majors may substitute one semester of MusA 323 Jazz Band or MusA 365 Jazz Combo, a prerequisite for MusT 465, for one semester of major ensemble. They may enroll in large vocal ensembles to satisfy the remaining major ensemble requirements. Wind, percussion, keyboard, and string majors must have a total of four semesters of major ensemble participation (as defined above) at UI.

7. Change the curricular requirements of Music Education: Vocal-Instrumental (B.Mus.) [Effective: Summer 2013]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section of part four of this catalog.

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

Comm 101 Fundamentals of Public Speaking (2 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
MusA 114 Studio Instruction (voice) (3 cr)
MusA 115 Studio Instruction (2 cr)
MusA 124 Studio Instruction (instrumental) (6 cr)
MusA 145 and Piano Class for Music Majors/Minors (2 cr)
MusA 245 Piano Class for Music Majors/Minors (2 cr)
MusA 246 Voice Class (1 cr)
MusA 324 Studio Instruction (6 cr)
MusA 387, 487 Conducting I, II (4 cr)
MusA 490 Half Recital (0 cr)
MusC 139 Aural Skills (6 cr)
MusC 140,
MusC 239,
MusC 240,
MusC 141, Theory of Music (10 cr)
MusC 142,
MusC 241,
MusC 242,
MusC 328 Instrumental and Choral Arranging (3 cr)
MusH 111 Introduction to Music Literature (3 cr)
MusH 321, Music in Western Civilization (9 cr)
MusH 322,
MusT 251, MusT 253, MusT 255, MusT 352
MusT 382
MusT 383
MusT 385
MusT 386
MusT 432
MusT 445
MusT 465
MusT 466
MusT 467
MusT 485
MusT 486
MusX 101
MusX 140
Psyc 101
Major ensembles (six different semesters)* (6 cr)

Courses to total 128 credits for this degree

* The major ensemble requirement must be completed in six different semesters; wind and percussion majors must register for three different semesters of MusA 119/319 Marching Band and three different semesters of MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. Wind and percussion majors may, by audition, substitute two semesters of MusA 122/322 Orchestra for MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. String majors must register for six different semesters of MusA 122/322 Orchestra and one semester of MusA 119/319 Marching Band. Keyboard and guitar majors must enroll in one semester of MusA 119/319 Marching Band. Keyboard and guitar majors may substitute one semester of MusA 323 Jazz Band or MusA 365 Jazz Combo, a prerequisite for MusT 465, for one semester of major ensemble. They may enroll in large vocal ensembles to satisfy the remaining major ensemble requirements. Wind, percussion, and string majors must have a total of four semesters of major ensemble participation (as defined above) at UI.

8. Change the curricular requirements of Music Education: Vocal (B.Mus.) [Effective: Summer 2014]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to “Admission to the Teacher Education Program” in the College of Education section.

Required course work includes the university requirements (see regulation J-3) and the specific requirements in one of the two sections below:

A. Voice

Comm 101 Fundamentals of Public Speaking (2 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)

EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
MusA 114 Studio Instruction: Piano (2 cr)*
MusA 115 Studio Instruction (2 cr)
MusA 124 Studio Instruction: Voice (6 cr)
MusA 145 and Piano Class for Music Majors/Minors (2 cr)
MusA 245
MusA 146 and Piano Class for Music Majors/Minors (2 cr)
MusA 246
MusA 324 Studio Instruction: Voice (6 cr)
MusA 380 Opera/Musical Theatre Studio (1 cr)
MusA 387, 487 Conducting I, II (4 cr)
MusA 490 Half Recital (0 cr)
MusC 139, Aural Skills (6 cr)
MusC 140,
MusC 239,
MusC 240
MusC 141, Theory of Music (10 cr)
MusC 142,
MusC 241,
MusC 242
MusC 328 Instrumental and Choral Arranging (3 cr)
MusH 111 Introduction to Music Literature (3 cr)
MusH 321, Music in Western Civilization (9 cr)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MusH 323</td>
<td>General Music Methods: Elementary School Music</td>
</tr>
<tr>
<td>MusT 382</td>
<td>Methods for Music Majors (3 cr)</td>
</tr>
<tr>
<td>MusT 383</td>
<td>Principles of Music Teaching (3 cr)</td>
</tr>
<tr>
<td>MusT 385</td>
<td>Choral Music in the Secondary School (2-3 cr)</td>
</tr>
<tr>
<td>MusT 432</td>
<td>Practicum: Music Teaching (14 cr)</td>
</tr>
<tr>
<td>MusT 435</td>
<td>Pedagogy and Materials: Voice (2 cr)</td>
</tr>
<tr>
<td>MusT 445</td>
<td>Proseminar in Music Teaching (2-1 cr)</td>
</tr>
<tr>
<td><strong>MusT 485</strong></td>
<td>Choral Ensemble Rehearsal Techniques (1 cr)</td>
</tr>
<tr>
<td>MusX 101</td>
<td>Orientation for Music Majors (0 cr)</td>
</tr>
<tr>
<td>MusX 140</td>
<td>Convocation (seven semesters) (0 cr)</td>
</tr>
<tr>
<td>MusX 283, MusX 284</td>
<td>Diction for Singers (4 cr)</td>
</tr>
</tbody>
</table>

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Psyc 101 Introduction to Psychology (3 cr)

Major ensemble (six different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (6 cr)

Other ensemble (one semester chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus, MusA 118/318 Jazz Choir, MusA 365 Chamber Ensemble, MusA 380 Opera/Musical Theatre Studio) (1 cr)

Courses to total 128 credits for this degree

* Voice majors must register for piano class before enrolling in applied piano instruction.

9. Change the curricular requirements of **Music Education: Instrumental** (B.Mus.) [Effective: Summer 2014]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comm 101</td>
<td>Fundamentals of Public Speaking (2 cr)</td>
</tr>
<tr>
<td>EDCI 201</td>
<td>Contexts of Education (2 cr)</td>
</tr>
<tr>
<td>EDCI 301</td>
<td>Learning, Development, and Assessment (3 cr)</td>
</tr>
<tr>
<td><strong>EDCI 453</strong></td>
<td>Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)</td>
</tr>
<tr>
<td>EDCI 463</td>
<td>Literacy Methods for Content Learning (3 cr)</td>
</tr>
<tr>
<td>EDSP 300</td>
<td>Educating for Exceptionalities (2 cr)</td>
</tr>
<tr>
<td>MusA 115</td>
<td>Studio Instruction (2 cr)</td>
</tr>
<tr>
<td>MusA 124</td>
<td>Studio Instruction (6 cr)</td>
</tr>
<tr>
<td>MusA 145 and</td>
<td>Piano Class for Music Majors/Minors (2 cr)</td>
</tr>
<tr>
<td>MusA 245</td>
<td>Piano Class for Music Majors/Minors (2 cr)</td>
</tr>
<tr>
<td>MusA 246</td>
<td>Conducting I, II (4 cr)</td>
</tr>
<tr>
<td>MusA 487</td>
<td>Studio Instruction (6 cr)</td>
</tr>
<tr>
<td>MusA 490</td>
<td>Half Recital (0 cr)</td>
</tr>
<tr>
<td>MusC 139</td>
<td>Aural Skills (6 cr)</td>
</tr>
<tr>
<td>MusC 140, MusC 239, MusC 240</td>
<td>Theory of Music (10 cr)</td>
</tr>
<tr>
<td>MusC 141, MusC 142, MusC 241, MusC 242</td>
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</tr>
<tr>
<td>MusC 328</td>
<td>Instrumental and Choral Arranging (3 cr)</td>
</tr>
<tr>
<td>MusH 111</td>
<td>Introduction to Music Literature (3 cr)</td>
</tr>
<tr>
<td>MusH 321, MusH 322, MusH 323</td>
<td>Music in Western Civilization (9 cr)</td>
</tr>
<tr>
<td>MusT 251, MusT 253, MusT 254, MusT 255, MusT 352</td>
<td>Instrumental Techniques (5 cr)</td>
</tr>
<tr>
<td><strong>MusT 256</strong></td>
<td>String Techniques and Orchestral Literature (1 cr)</td>
</tr>
<tr>
<td>MusT 382</td>
<td>General Music Methods: Elementary School Music Methods for Music Majors (3 cr)</td>
</tr>
<tr>
<td>MusT 383</td>
<td>Principles of Music Teaching (3 cr)</td>
</tr>
<tr>
<td>MusT 386</td>
<td>Instrumental Music in the Secondary School (2-3 cr)</td>
</tr>
<tr>
<td>MusT 432</td>
<td>Practicum: Music Teaching (14 cr)</td>
</tr>
<tr>
<td>MusT 445</td>
<td>Proseminar in Music Teaching (2-1 cr)</td>
</tr>
<tr>
<td>MusT 465</td>
<td>Jazz Band Rehearsal Techniques (1-2 cr)</td>
</tr>
<tr>
<td>MusT 466</td>
<td>Marching Band Techniques (1 cr)</td>
</tr>
<tr>
<td><strong>MusT 467</strong></td>
<td>Band Literature and Rehearsal Techniques (1 cr)</td>
</tr>
<tr>
<td><strong>MusT 486</strong></td>
<td>Orchestral Literature and Rehearsal Techniques (1 cr)</td>
</tr>
<tr>
<td>MusX 101</td>
<td>Orientation for Music Majors (0 cr)</td>
</tr>
</tbody>
</table>
MusX 140  Convocation (seven semesters) (0 cr)
Psyc 101  Introduction to Psychology (3 cr)

Major ensembles (six different semesters) (6 cr)*
Other ensembles (two different semesters chosen from MusA 119/319 Marching Band, MusA 121/321 Concert Band, MusA 122/322 Orchestra, or MusA 320 Wind Ensemble, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester)) (students whose major applied medium is keyboard must select MusA 315 Collaborative Piano to satisfy this requirement) (2 cr)

Courses to total 128 credits for this degree
Students may also complete an optional Emphasis in Jazz Education by completing the following course work (15 cr):

MusA 210  Jazz Improvisation (2 cr)
MusC 204  Special Topics: Jazz Arranging (2 cr)
MusC 329  Theoretical Basis of Jazz (2 cr)
MusH 410  Studies in Jazz History (3 cr)
MusT 465  Jazz Band Rehearsal Techniques (1 cr)

Electives in ensembles, combos, or applied study (5 cr)

* The major ensemble requirement must be completed in six different semesters; wind and percussion majors must register for three different semesters of MusA 119/319 Marching Band and three different semesters of MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. Wind and percussion majors may, by audition, substitute two semesters of MusA 122/322 Orchestra for MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. String majors must register for six different semesters of MusA 122/322 Orchestra and one semester of MusA 119/319 Marching Band. Keyboard and guitar majors may substitute one semester of MusA 322 Jazz Band or MusA 365 Jazz Combo, a prerequisite for MusT 465, for one semester of major ensemble. They may enroll in large vocal ensembles to satisfy the remaining major ensemble requirements. Wind, percussion, keyboard, and string majors must have a total of four semesters of major ensemble participation (as defined above) at UI.

10. Change the curricular requirements of Music Education: Vocal-Instrumental (B.Mus.) [Effective: Summer 2014]

NOTE: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section of part four of this catalog.

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

Comm 101  Fundamentals of Public Speaking (2 cr)
EDCI 201  Contexts of Education (2 cr)
EDCI 301  Learning, Development, and Assessment (3 cr)
EDCI 453  Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
EDCI 463  Literacy Methods for Content Learning (3 cr)
EDSP 300  Educating for Exceptionalities (2 cr)
MusA 114  Studio Instruction (voice) (3 cr)
MusA 115  Studio Instruction (2 cr)
MusA 124  Studio Instruction (instrumental) (6 cr)
MusA 145 and MusA 245  Piano Class for Music Majors/Minors (2 cr)
MusA 146 and MusA 246  Piano Class for Music Majors/Minors (2 cr)
MusA 147  Voice Class (1 cr)
MusA 324  Studio Instruction (6 cr)
MusA 387, 487  Conducting I, II (4 cr)
MusA 490  Half Recital (0 cr)
MusC 139, 140  Aural Skills (6 cr)
MusT 382  General Music Methods for Music Majors (3 cr)
MusT 385  Choral Music in the Secondary School (2-3 cr)
MusT 386  Instrumental Music in the Secondary School (2-3 cr)
MusT 432  Practicum: Music Teaching (14 cr)
MusT 445  Proseminar in Music Teaching (2 cr)
MusT 465  Jazz Band Rehearsal Techniques (4 cr)
MusT 466  Marching Band Techniques (1 cr)
MusT 467  Band Literature and Rehearsal Techniques (1 cr)
MusT 485  Choral Literature and Rehearsal Techniques (1 cr)
MusT 486  Orchestral Literature and Rehearsal Techniques (1 cr)

MusX 101  Orientation for Music Majors (0 cr)
MusX 140  Convocation (seven semesters) (0 cr)
Psyc 101  Introduction to Psychology (3 cr)

Major ensembles (six different semesters)* (6 cr)

Major ensembles (two different semesters chosen from MusA 116/317 Concert Choir - Vandaleers, MusA 117/ 317 University Chorus) (2 cr)

Other ensembles (two different semesters chosen from MusA 119/319 Marching Band, MusA 121/321 Concert Band, MusA 122/322 Orchesra, or MusA 320 Wind Ensemble, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester)) (students whose major applied medium is keyboard must select MusA 315 Collaborative Piano to satisfy this requirement) (2 cr)

Courses to total 128 credits for this degree

* The major ensemble requirement must be completed in six different semesters; wind and percussion majors must register for three different semesters of MusA 119/319 Marching Band and three different semesters of MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. Wind and percussion majors may, by audition, substitute two semesters of MusA 122/322 Orchestra for MusA 121/321 Concert Band, or MusA 320 Wind Ensemble. String majors must register for six different semesters of MusA 122/322 Orchestra and one semester of MusA 119/319 Marching Band. Keyboard and guitar majors may substitute one semester of MusA 322 Jazz Band or MusA 365 Jazz Combo, a prerequisite for MusT 465, for one semester of major ensemble. They may enroll in large vocal ensembles to satisfy the remaining major ensemble requirements. Wind, percussion, and string majors must have a total of four semesters of major ensemble participation (as defined above) at UI.

Naval Science

1. Change the curricular requirements of Naval Science (Minor) [Effective: Summer 2014]

NS 102  Ships Systems I (3 cr)
NS 201  Ships Systems II (3 cr)
NS 202  Seapower and Maritime Affairs (2-3 cr)

A minimum of 12 credits chosen from the two lists below. Students must complete a minimum of four upper-division courses from the lists below to equal 12 credits and at least 2 courses from each list (12 cr):

Two to three courses from the following:
NS 301  Navigation (3 cr)
NS 302  Naval Operations (3 cr)
NS 311  Evolution of Warfare (3 cr)
NS 401  Naval Leadership and Management (3 cr)
NS 402  Naval Leadership and Ethics (3 cr)
NS 412  Amphibious Operations (3 cr)

One from the following:
Hist 180  Introduction to East Asian History (3 cr)
Hist 331  The Age of African Empires (3 cr)
Hist 436  Latin America: The Colonial Era (3 cr)
Hist 438  Modern Mexico and the Americas (3 cr)
Hist 440  Social Revolution in Latin America (3 cr)
Hist 457  History of the Middle East (3 cr)
Hist 484  Modern China, 1840s to Present (3 cr)
Hist 485  Chinese Social and Cultural History (3 cr)
IS 325  The Contemporary Muslim World (3 cr)
IS 326  Africa Today (3 cr)
IS 370  Africa's Calling: The Culture of Ghana (3 cr)
PolS 420  Introduction to Asian Politics (3 cr)

One from the following:
Aero 411  National Security Affairs/Preparation for Active Duty (3 cr)
Aero 412  National Security Affairs/Preparation for Active Duty (3 cr)
Hist 412  Revolutionary North America and Early National Period, 1763-1828 (3 cr)
Hist 415  Civil War and Reconstruction, 1828-1877 (3 cr)
Hist 430  U.S. Diplomatic History (3 cr)
Hist 458  Military History (3 cr)
Hist 481  America's Wars in Asia (3 cr)
MS 227  American Military History (3 cr)
PolS 338  American Foreign Policy (3 cr)
PolS 449  World Politics and War (3 cr)
Two to three courses from the following:

- Hist 430 U.S. Diplomatic History (3 cr)
- Hist 455 Modern Europe (3 cr)
- Hist 457 History of the Middle East (3 cr)
- Hist 458 Military History (3 cr)
- PolS 205 Introduction to Comparative Politics (3 cr)
- PolS 237 International Politics (3 cr)
- PolS 338 American Foreign Policy (3 cr)
- PolS 440 International Organizations and International Law (3 cr)
- PolS 449 World Politics and War (3 cr)
- PolS 480 Politics of Development (3 cr)
- PolS 487 Political Violence and Revolution (3 cr)
- Soc 301 Introduction to Diversity and Stratification (3 cr)

Courses to total 21 credits for this minor

**Physics**

1. Drop the following course [**Effective**: Summer 2014]

   **Phys 511 Techniques of Experimental Physics (3 cr)**

   Development of experimental techniques and skills in active research fields; foundation for any field of physics. Nine hrs of lab a wk.

2. Change the curricular requirements of **Physics (B.S.)** [**Effective**: Summer 2014]

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

   - Chem 111 Principles of Chemistry I (4 cr)
   - Chem 112 Principles of Chemistry II (5 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, Engineering Physics I and Lab (4 cr)
   - Phys 211L
   - Phys 212, Engineering Physics II and Lab (4 cr)
   - Phys 212L
   - Phys 213, Engineering Physics III and Lab (4 cr)
   - Phys 213L
   - Phys 305 Modern Physics (3 cr)
   - Phys 312 Analytical Mechanics (3 cr)
   - Phys 341 Electromagnetics I (3 cr)
   - Phys 351 Introductory Quantum Mechanics I (3 cr)

   And one of the following emphases:

   **A. General Physics Emphasis**
   - Phys 342 Electromagnetics II (3 cr)
   - Phys 371 Mathematical Physics (3 cr)
   - Phys 433 Statistical Thermodynamics (3 cr)

   Upper-division mathematics electives (6 cr)

   Upper-division physics courses, including at least 4 cr of lab and 9 cr from the following: Phys 411, Phys 412, Phys 425, Phys 428, Phys 443, Phys 444, **Phys 464, and Phys 465, and Phys 484** (at least 15 cr).

   **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 Physical Instrumentation I (3 cr)

   Four credits of upper-division lab work in physics and engineering

   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 390, ME 301, ME 412, ME 413, ME 420, MSE 201, MSE 313, MSE 427, Phys 428, Phys 433, Phys 443, Phys 444.)

   **Courses to total 120 credits for this degree**

**Plant, Soil, and Entomological Sciences**

1. Drop the following course [**Effective**: Summer 2014]
PlSc 302  Golf and Sports Turf Management (3 cr)
Turfgrass science, cultivation and management for a wide variety of commercial applications. Recommended Preparation: Majoring in Horticultural Sciences or Crop Sciences, or Professional Golf Management.
Prereq: Junior standing

2. Change the curricular requirements of Sustainable Crop and Landscape Systems (B.S.Ag.L.S.) [Effective: Summer 2014]

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

**Agricultural and Life Science Core**
- ASM 305 GPS and Precision Agriculture (3 cr)
- AgEd 406 Exploring International Agriculture (3 cr)
- Biol 115 Cells and the Evolution of Life (4 cr)
- Comm 304+ Fundamentals of Public Speaking (2 cr)
- Soil 205, Soil 206 The Soil Ecosystem and Lab (3-4 cr)
- Stat 251 Statistical Methods (3 cr)

One of the following (2-3 cr):
- 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 (4 cr):
- Chem 101 Introduction to Chemistry I (4 cr)
- Chem 111 Principles of Chemistry I (4 cr)

One of the following (2-3-4 cr):
- 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 (3-4 cr):
- Math 130 Finite Mathematics (3 cr)
- 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**
- AgEd 406 Exploring International Agriculture (2 cr)
- 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 415 Plant Pathology (3 cr)
- PlSc 438 Pesticides in the Environment (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):
- Chem 253, Quantitative Analysis and Lab (5 cr)
- Chem 254
- MMBB 154, Introductory Microbiology and Lab (4 cr)
- MMBB 155
- MMBB 250, General Microbiology and Lab (5 cr)
- MMBB 255
- MMBB 300+ or Biol 300 Survey of Biochemistry (3 cr)

And one of the following emphases:

**A. Insects and Society**
- Biol 116 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)
- Ent 446 Host Plant Resistance to Insects and Pathogens (3 cr)
One of the following (3-4 cr):
- Biol 310 Genetics (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)
- Geol 101, Geol 101L Physical Geology and Lab or
- Geol 111, Physical Geology for Science Majors and Lab (4 cr)
- Geol 111L
- Phys 111, General Physics I and Lab (4 cr)
- Phys 111L
- Phys 112, General Physics II and Lab (4 cr)
- Soil 206 The Soil Ecosystem Lab (1 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 Development and Classification (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)
- MMBB 154, Introductory Microbiology and Lab (4 cr)
- MMBB 155
- PlSc 338 Weed Control (3 cr)
- PlSc 401 Plant Physiology (3 cr)
- PlSc 407 Field Crop Production (3 cr)
- PlSc 446 Plant Breeding (3 cr)
- PlSc 480 Field Trip (1 cr)
- Soil 206 The Soil Ecosystem Lab (1 cr)
- Soil 446 Soil Fertility (3 cr)

Courses to total 128 credits for this degree

Professional Support Electives (9 cr):
- Accounting
- Animal and Veterinary Sciences
- Agricultural Economics
- Biology
- Business
- Business Law
- Chemistry
- Computer Science
- Economics
- Entomology
- Foreign Languages (max 4 credits)
- Forest Resources
- Landscape Architecture
- Microbiology, Molecular Biology and Biochemistry
- Physics
- Plant Science
Rangeland Ecology and Management
Renewable Materials
Soils

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

Courses to total 128 credits for this degree

D. Environmental Horticulture

Gene 314  General Genetics (3 cr)
MAMBB 154,  Introductory Microbiology and Lab (4 cr)
MAMBB 155
PISC 201  Principles of Horticulture (3 cr)
PISC 300  Plant Propagation (3 cr)
PISC 338  Weed Control (3 cr)
PISC 401  Plant Physiology (3 cr)
Soil 206  The Soil Ecosystem Lab (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):
PISC 398  Internship (3 cr)
PISC 499  Directed Study (3 cr)

Professional Support Electives (9 cr):
Accounting
Animal and Veterinary Sciences
Agricultural Economics
Biology
Business
Business Law
Chemistry
Computer Science
Economics
Entomology
Foreign Languages (max 4 credits)
Forest Resources
Landscape Architecture
Microbiology, Molecular Biology and Biochemistry
Physics
Plant Science
Rangeland Ecology and Management
Renewable Materials
Soils

Environmental Horticulture Electives (15 cr):
PISC 392  Golf and Sports Turf Management (3 cr)
PISC 340  Nursery Management (3 cr)
PISC 341  Nursery Management Laboratory (1 cr)
PISC 433  Plant Tissue Culture Techniques (3 cr)
PISC 451  Vegetable Crops (3 cr)
PISC 464  Landscape Maintenance (3 cr)
PISC 490  Potato Science (3 cr)

Courses to total 128 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)
MAMBB 486  Plant Biochemistry (3 cr)
MAMBB 488  Genetic Engineering (3 cr)
PISC 401  Plant Physiology (3 cr)
PISC 433  Plant Tissue Culture Techniques (3 cr)
PISC 440  Advanced Laboratory Techniques (4 cr)
PISC 446  Plant Breeding (3 cr)

One of the following (3-4 cr):
MAMBB 300  Survey of Biochemistry (3 cr)
MAMBB 380  Introductory Biochemistry (4 cr)

One of the following (3 cr):

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Political Science

1. Change the following courses [Effective: Summer 2014]

   PolS 381 Western European Politics (3 cr)
   May be used as general education credit in J-3-d. Examination of political processes in Western European parliamentary systems; topics include parties and elections, coalition formation and dissolution, public policy, and the dynamics of the European Union.

   PolS J437/J537 American Presidency (3 cr)
   Roles, power, and functions of the presidency; relationships with other structures and institutions in the U.S. political system. Additional projects/assignments reqd for grad cr.  
   Prereq: Senior standing or Permission

Sociology and Anthropology

1. Change the following course [Effective: Summer 2014]

   Anth 441 Introduction to the Study of Language (3 cr)
   See Engl 441.

Statistical Science

1. Change the following courses [Effective: Summer 2014]
2. Change the curricular requirements of Process & Performance Excellence (GR Academic Certificate) [Effective: Summer 2014]

Note: A grade of ‘B’ or higher is required in all coursework for this academic certificate.

- **Bus 439** Systems and Simulation (4 cr)
- **Bus 456** or **Stat 456** Quality Management (3 cr)
- **Bus 534** Design for Six Sigma and Lean Management (3 cr)
- **Stat 446** Six Sigma Innovation (3 cr)
- **Stat 431** Statistical Analysis (3 cr)
- **Stat 507** Experimental Design (3 cr)
- **Stat 519** Multivariate Analysis (3 cr)

**Electives (3 cr):**
- **Bus 414** Entrepreneurship (3 cr)
- **Bus 456** Quality Management (3 cr)
- **ME 583** Reliability of Engineering Systems (3 cr)

Courses to total 12–16 credits for this certificate

### Theatre Arts

1. Add the following prerequisite to all applicable Theatre Arts courses (The) courses [Effective: Summer 2014]

   **Prerequisites:** All prerequisites for Theatre Arts (The) courses must be completed successfully with a grade of C or better.

2. Add the following course [Effective: Summer 2014]

   **The 190** Theatre Practice (1 cr)
   Open to non-majors. Practical experience in an aspect of theatre production including but not limited to: board operation, scenery shifting and wardrobe.

3. Change the following course [Effective: Summer 2014]

   **The 103** Theatre Technology I (4-3 cr)
   Intro to theatre production spaces, shop tools, construction materials, and stage equipment; theories and methods used in lighting and in the construction of scenery.  **Three lec and six hrs of lab a wk.**  **Course includes a lab component.**

   **The 104** Theatre Technology II (4-3 cr)
   Methods of costume construction techniques; intro to masks, sewing, crafting and costuming skills, millinery, and costume craft skills.  **Three lec and six hrs of lab a wk.**  **Course includes a lab component.**

   **The 390 (s) Theatre Practice II (cr arr)**
   Open to non-majors. Advanced practical experience in all aspects of theatre production and performance.  **Prereq:** The 190

   **The 406** Design Studio (cr arr)
   Individual training in an area of theatre design; includes an advanced design assignment and the public presentation of a play.  **Advanced design studio.**  **Prereq:** The 201, The 202, and or The 205; or Permission

   **The 464** Scenographic Techniques (3 cr)
   Practical survey of graphics used in design and execution of scenery for the stage, including drafting, perspective, front and rear elevations, painters elevations, and properties design and drafting.  **Four hrs of lab a wk.**  **Prereq:** The 201 or Permission

   **The 465** Advanced Scene Design (3 cr)
   Development of a conceptual approach to design through assorted design projects.  **Recommended Preparation:** The 464.  **Prereq:** The 201 or Permission
The J484/J584 Advanced Stage Lighting (3 cr, Max 12)
Advanced lighting design theories and practice through design of assorted productions in realistic drama, dance, arena, thrust, and mystical theatre. Additional projects/assignments required for graduate credit. **Recommended Preparation:** The 205. **Prereq:** The 205 or Permission

4. Change the curricular requirements of **Theatre Arts** (B.A., B.S., B.F.A.) **[Effective: Summer 2014]**

To be eligible for graduation, theatre arts students taking B.A./B.S. options in theatre must achieve a minimum grade of C in all theatre courses required by their major. To participate in departmental productions, a student must maintain a minimum 2.50 overall GPA.

Required course work for students pursuing the B.A. in theatre arts includes (1) the university requirements (see regulation J-3), (2) the general CLASS core requirements, and (3) the theatre arts core courses listed below.

Required course work for students pursuing the B.S. in theatre arts includes (1) the university requirements (see regulation J-3), (2) the general CLASS core, an established minor, or courses in a related field approved by the Theatre Arts Department (20 cr), and (3) the theatre arts core courses listed below.

- The 101 Introduction to the Theatre (3 cr)
- The 103, The 104 Theatre Technology I, II (4-6 cr)
- The 105 Basics of Performance (6 cr)
- The 106 Theatre Practice (1 cr)
- The 201 Scene Design I (3 cr)
- The 202 Costume Design I (3 cr)
- The 205 Lighting Design I (3 cr)
- The 206 Theatrical Makeup (1 cr)
- The 371 Play Analysis (3 cr)
- The 390 Theatre Practice II (At least 1 cr in 3 difference semesters) Theatre Workshop (at least 1 cr in 4 different semesters) (4 cr)
- The 468 Theatre History I (3 cr)
- The 469 Theatre History II (3 cr)
- The 473 Senior Capstone Seminar (1 cr)
- The 483 Senior Capstone Project (1 cr)
- Electives in design/production (3 cr)

Courses to total 120 credits for this degree

**Women’s Studies**

1. Add the following course **[Effective: Summer 2014]**

**WmSt 410 Feminist Theory and Action (3 cr)**
This course examines a range of feminist theory, including both classic and lesser-known texts, while grounding the study of theory in an examination of historical and contemporary feminist activism. The course covers some of the key concepts and debates within feminism and explores the relationship between theory and action. Students learn how to read theory and apply their knowledge to current events, issues, and problems in the United States and globally.

**WmSt 498 Internship (1-6 cr)**
Directed student internship in approved setting relevant to women’s and gender studies with campus, local, national, or international organizations or offices. Graded pass/fail, various credits depending on the length and type of internship. **Prereq:** Permission of the Coordinator of Women’s Studies

**All Departments**

1. Change the status of the following courses from Active to Dormant **[Effective: Summer 2014]**

**Agricultural Economics and Rural Sociology**
AGEC 361 Fall 2008
AGEC 383 Fall 2008
AGEC 427 Fall 2008

**Agricultural Education and 4-H Youth Development**
AG 210 Never
AG 212 Never

**Animal and Veterinary Science**
AVS 274 Never
AVS 476 Spring 2009
AVS 526 Spring 2009

**Art and Architecture**
ART 509 Spring 2007
ART 511 Never
VTD 344 Fall 2008

**Biological and Agricultural Engineering**
BAE 432 Spring 2009
BAE 532 Spring 2009

**Biological Sciences**
ASM 306 Spring 2009
BIOL 417 Fall 2004
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2. Change the status of the following courses from Dormant to Inactive [Effective: Summer 2014]
### FOR THE FACULTY’S INFORMATION

**Correction to General Curriculum Report 270:**

**Changes to Cooperative Courses Approved Since Last General Curriculum Report:**
(ID = taught only at UI; WS = taught only at WSU, LC = taught only at LCSC; ID&WS = can be taught at both UI & WSU; ID&LC = can be taught at both UI & LCSC)

**Other Informational Changes:**

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