TO: MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

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

All Items below are considered effective Summer 2019 unless otherwise noted with the approved item.

COLLEGE OF ART AND ARCHITECTURE

BIOREGIONAL PLANNING AND COMMUNITY DESIGN

1. Make the following curricular changes to the Urban Design Graduate Academic Certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 554</td>
<td>Architectural Design: Vertical Studio (Max 12 credits)</td>
<td>6</td>
</tr>
<tr>
<td>BIOP 520</td>
<td>Introduction to Bioregional Planning</td>
<td>3</td>
</tr>
<tr>
<td>BIOP 522</td>
<td>Bioregional Planning Methods</td>
<td>3</td>
</tr>
<tr>
<td>LARC 554</td>
<td>Landscape Architecture Graduate Studio 1</td>
<td>6</td>
</tr>
</tbody>
</table>

Choose one of the following tracks:

**Architecture and Landscape Architecture Students:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 554</td>
<td>Architectural Design: Vertical Studio (Max 12 credits)</td>
</tr>
<tr>
<td>LARC 554</td>
<td>Landscape Architecture Graduate Studio 1</td>
</tr>
</tbody>
</table>

**Bioregional Planning and Community Design Students:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LARC 548</td>
<td>Community Design Studio for Non-majors</td>
</tr>
<tr>
<td>LARC 520</td>
<td>Regional and Community Design</td>
</tr>
<tr>
<td>ARCH 558</td>
<td>Urban Design and Planning Studio</td>
</tr>
<tr>
<td>ARCH 585</td>
<td>Urban Design Seminar</td>
</tr>
</tbody>
</table>

Courses to total 18 credits for this certificate

COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES

CURRICULUM AND INSTRUCTION

1. Reactivate and change the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTE 306</td>
<td>Preserve for New Professional-Technical Career and Technical Education Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

Fundamental skills necessary for new teachers in secondary and postsecondary schools to be successful in meeting students.
2. Change the following courses:

**ED 587 Advanced Multivariate Quantitative Analysis in Education**
3 credits
Advanced analysis and application of multivariate quantitative research methods in education and social sciences. The goal of the course is to expose students to multivariate statistics and quantitative research approaches. Topics include multiple correlation/regression, discriminate analysis, exploratory and confirmatory factor analysis, multivariate analysis of variance (MANOVA), multivariate analysis of covariance (MANCOVA), canonical correlation analysis, cluster analysis, log linear model, path analysis and structural equation modeling.
**Prereq:** ED 584 or Permission

**EDCI 302 Teaching Culturally Diverse Learners**
43 credits
**Gen Ed: American Diversity**
An examination of cultural and linguistic diversity in classrooms. Explores strategies for creating the culturally inclusive classroom that values diversity and supports student success. Examines the use of instructional planning as a tool for motivation and classroom management. Includes 45 hours of practicum in K-12 classrooms. **required field experiences.**
**Prereq:** EDCI 301 or FCS 234; and admission to teacher education program

3. Make the following curricular changes to the **45-Credit Art Teaching Major**:

**A. 4551-Credit Art Teaching Major**

- **ART 100** World Art and Culture 3
- **ART 110** Integrated Art and Design Communication 2
- **ART 111** Drawing I 2
- **ART 112** Drawing as Integrated Design Thinking 2
- **ART 121** Integrated Design Process 2
- **ART 122** Art & Design Process 3

Select 18 credits from the following: 18
- ART 211 Life Drawing
- ART 221 Introduction to Graphic Design
- ART 231 Painting I
- ART 241 Sculpture I
- ART 251 Printmaking I
- ART 261 Ceramics I
- ART 271 Interaction Design I
- ART 280 Understanding Photography

Select two art studio courses from the following: 6
- ART 321 Graphic Design: Concepts
- ART 330 Intermediate/Advanced Painting
- ART 340 Intermediate/Advanced Sculpture
- ART 350 Intermediate/Advanced Printmaking
- ART 370 Intermediate/Advanced Interaction + Experiential Design
ART 390  Mixed Media

Select two three courses in Art History, any period  69
The following special methods sequence is also required:
EDCI 436  Secondary Art Methods    3
EDCI 446  Secondary Art Methods Practicum ` 1

Total Hours        4851

4. Make the following curricular changes to the Major in Career and Technical Education (B.S.Ed.):

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

General Professional-Technical and Technology Career and Technical Education Requirements
CTE 351  Principles and Philosophy of Career and Technical Education  3
CTE 430  Leadership and Student Organizations     2
CTE 431  Supervising CTE Career and Technical Student Organizations  1-3
CTE 464  Career Guidance and Transitioning to Work  3

Options
Select one of the following options:
Business and Marketing Education
Workforce Training and Development
Engineering and Technology Education

Total Hours          9-11

A. Business and Marketing Education Option
The Business and Marketing Education option is for students interested in teaching business, marketing, and business technology subjects at the high school or post-secondary level. Completers of this option may apply for Idaho secondary teacher certification with endorsements in business technology, marketing technology, and usually economics (based on selected electives).

Requirements include the General Career and Technical Education Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

ACCT 201  Introduction to Financial Accounting  3
ACCT 202  Introduction to Managerial Accounting  3
BLAW 265  Legal Environment of Business     3
BUS 190  Integrated Business and Value Creation  3
COMM 101  Fundamentals of Public Speaking  2
CTE 413  Retail Merchandising for Marketing Education  3
CTE 415  Microcomputer Applications  3
or CTE 419  Database Applications and Information Management
CTE 416  Website Design and Development  3
or CTE 460  Desktop Publishing
CTE 418  Teaching Economics and Personal Finance  3
CTE 484  Internship in Career and Technical Education Teaching  10
CTE 492  Business and Marketing Education Methods  3  
CTE 495  Administrative Technology Management and Procedures  3  
ECON 201  Principles of Macroeconomics  3  
ECON 202  Principles of Microeconomics  3  
EDCI 201  Contexts of Education  3  
EDCI 301  Lrng, Dvlpmnt, & Assessment  3  
EDCI 401  Internship Seminar  1  
EDCI 410  Technology, Teaching and Learning  2  
EDCI 463  Literacy Methods for Content Learning  3  
EDSP 300  Educating for Exceptionalities  3  
ENGL 313  Business Writing  3  
FCS 448  Consumer Economic Issues  3  
MATH 143  Pre-calculus Algebra and Analytic Geometry  3  
or STAT 251  Statistical Methods  
MHR 310  Leading Organizations and People  3  
or MHR 311  Introduction to Management  
MKTG 321  Marketing  3  
PSYC 101  Introduction to Psychology  3  
or PSYC 305  Developmental Psychology  

Select 6 credits of Accounting, Business, Economics or CTE electives  6  

Total Hours  87  

1This mathematics elective is in addition to the General Education Mathematics requirements. Students must complete a total of 6 credits.  

Courses to total 128 credits for this degree  

Note: Students interested in obtaining a teaching endorsement in Economics need to ensure that 3 credits of the designated elective credits are in economics, finance or accounting, see an advisor for details.  

B. Workforce Training and Development Option  
This option is designed for those teachers in secondary trade and industrial programs who wish to teach in post-secondary professional-technical programs. Requirements include the General Career and Technical Education Requirements and the following:  

CTE 420  Assessment in Contextual Learning Environments  3  
CTE 426  Occupational Analysis and Curriculum Development  3  
CTE 447  Diverse Populations and Individual Differences (Max 3 credits)  2-3  
CTE 472  Teaching and Learning in Organizations  3  

Select one approved course in computer literacy  3  

Professional-technical Career and Technical electives approved by advisor to total 128  

<table>
<thead>
<tr>
<th>CTE 200</th>
<th>Seminar</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTE 203</td>
<td>Workshop</td>
</tr>
<tr>
<td>CTE 204</td>
<td>Special Topics</td>
</tr>
</tbody>
</table>
Additional requirements for Secondary Teaching Certificate include the following: ¹

- COMM 101 Fundamentals of Public Speaking (2)
- EDCI 201 Contexts of Education (3)
- EDCI 301 Lrnng, Dvlpmnt, & Assessment (3)
- EDCI 302 Teaching Culturally Diverse Learners (4)
- EDCI 401 Internship Seminar (1)
- EDCI 463 Literacy Methods for Content Learning (3)
- EDS 300 Educating for Exceptionalities (3)
- EDCI 485 Secondary Internship (10-15)
  or CTE 484 Internship in Career and Technical Education Teaching
- PSYC 101 Introduction to Psychology (3)
  or PSYC 301 Developmental Psychology

Total Hours: 46-52

¹Additional requirements for CTE Occupational Education students seeking an Idaho Secondary Teaching Certificate include the satisfactory completion of the PRAXIS II Content Area Test, and COMM 101.

Courses to total 128 credits for this degree

C. Engineering and Technology Education Option

Requirements include the General Career and Technical Education Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

- ASM 107 Beginning Welding (2)
- ASM 202 Agricultural Shop Practices (2)
- COMM 101 Fundamentals of Public Speaking (2)
- CTE 130 Introduction to Electricity and Electronics (3)
- CTE 267 Computer Aided Drafting/Design (3)
- CTE 310 Lab Safety, Mgmt, & Liability (3)
- CTE 353 Manufacturing Systems (3)
- CTE 354 Construction Technology (3)
- CTE 370 Transportation & Engineering Technologies (3)
- CTE 410 Technology & Society (3)
- CTE 415 Microcomputer Applications (3)
- CTE 416 Website Design and Development (3)
- CTE 417 Teaching & Learning through STEM Integration (3)
- CTE 426 Occupational Analysis and Curriculum Development (3)
- CTE 462 Communication Technology (3)
- CTE 481 Computer-Integrated and Robotics Manufacturing Technologies (3)
CTE 484  Internship in Career and Technical Education Teaching  10
CTE 494  Senior Project  3
EDCI 201  Contexts of Education  3
EDCI 301  Lrng, Dvlpmnt, & Assessment  3
EDCI 302  Teaching Culturally Diverse Learners  4
EDCI 463  Literacy Methods for Content Learning  3
EDSP 300  Educating for Exceptionalities  3
ENGL 317  Technical Writing  3
MATH 143  Pre-calculus Algebra and Analytic Geometry  3
PHYS 111  General Physics I  3
PHYS 111L  General Physics I Lab  1
PHYS 112  General Physics II  3
PHYS 112L  General Physics II Lab  1
PSYC 101  Introduction to Psychology  3
or PSYC 305  Developmental Psychology

Total Hours  91

Courses to total 129 credits for this degree

D. Family and Consumer Sciences Option
CTE 420  Assessment in Contextual Learning Environments  3
CTE 426  Occupational Analysis and Curriculum Development  3
CTE 447  Diverse Populations and Individual Differences  3
or EDCI 302  Teaching Culturally Diverse Learners
CTE 484  Internship in Career and Technical Education Teaching  10-14
or AGED 498  Internship
EDCI 201  Contexts of Education  2
EDCI 301  Learning Development and Assessment  3
EDCI 401  Internship Seminar  1
EDCI 410  Technology, Teaching, and Learning  2
EDCI 463  Literacy Methods for Content Learning  3
EDSP 300  Educating for Exceptionalities  3
FCS 105  Individual and Family Development  3
FCS 123  Textiles  3
or FCS 419  Dress and Culture
FCS 205  Concepts in Human Nutrition  3
FCS 234  Infancy and Early Childhood  3
FCS 236  Directed Early Childhood Laboratory Experience  3
FCS 251  Survey of FCS Professions  1
FCS 270  Scientific Principles of Food Preparation  3
FCS 275  Experimental Foods  2
FCS 340  Parent-Child Relationships in Family and Community  3
or FCS 445  Issues in Work and Family Life
Select one of the following:  3-4
FCS 346  Personal and Family Finance and Management  3-4
FCS 428  Housing America's Families
General Curriculum Report #293
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OCTOBER 31, 2018

or FCS 448  Consumer Economic Issues
FCS 428  Housing America's Families  3

Select one of the following:  3-4
AGED 452  Methods of Teaching Agriculture
CTE 472  Teaching and Learning in Organizations
FCS 461  Methods & Strategies in FCS Education

Total Hours  46-52

Courses to total 120 credits for this degree

5. Make the following curricular changes to the 24-25 Credit Health Education Teaching Minor:

24-2528 Credit Health Education Teaching Minor
A current advanced first aid, CPR, and emergency care card is required upon graduation.

FCS 205  Concepts in Human Nutrition  3
FCS 240  Intimate Relationships  3
or PSYC 330  Human Sexuality
H&S 150  Wellness Lifestyles  3
or MVSC 201  Physical Activity, Wellness & Behavior Change
H&S 288  First Aid: Emergency Response  2
H&S 423/523  School Health Education Methods and Administration  3
H&S 450  Critical Health Issues  3
H&S 451  Psychosocial Determinants of Health  3
H&S 490  Health Promotion  3
MVSC 486/586  Healthy Active Lifestyle Intervention and Assessment  3
PSYC 330  Human Sexuality  3

Select one of the following groups:  3-4
Group A:  
H&S 289  Drugs in Society
H&S 350  Stress Management and Mental Health
Group B:  
H&S 451  Psychosocial Determinants of Health

Select one of the following sequences:  4
BIOL 102  Biology and Society
& 102L and Biology and Society Lab

BIOL 115  Cells & the Evolution of Life
& 115L and Cells and the Evolution of Life Laboratory

BIOL 120  Human Anatomy

BIOL 154  Introductory Microbiology
6. Make the following curricular changes to the **Math Teaching Majors and Minor**:

*MATH 143 and MATH 144 may be necessary prerequisites for students with weak backgrounds.*

### A. **47-51-52 Credit Mathematics Teaching Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 112</td>
<td>Computational Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH 170</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 176</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 215</td>
<td>Proof via Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 330</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 386</td>
<td>Theory of Numbers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 388</td>
<td>History of Math</td>
<td>3</td>
</tr>
<tr>
<td>MTHE 409</td>
<td>Algebraic and Functional Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>MTHE 427</td>
<td>Transformational Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 461</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 471</td>
<td>Introduction to Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 390</td>
<td>Axiomatic Geometry</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 391</td>
<td>Modern Geometry</td>
<td></td>
</tr>
<tr>
<td>Select one Math course numbered 400-490</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select two Math courses numbered 310-490</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 251</td>
<td>Statistical Methods</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Probability and Statistics</td>
</tr>
<tr>
<td>MATH 451</td>
<td>Probability Theory</td>
</tr>
<tr>
<td>/STAT</td>
<td></td>
</tr>
</tbody>
</table>

One of the following 3

<table>
<thead>
<tr>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 430</td>
<td>Advanced Linear Algebra</td>
</tr>
<tr>
<td>MATH 452</td>
<td>Mathematical Statistics</td>
</tr>
<tr>
<td>MATH 453</td>
<td>Stochastic Models</td>
</tr>
<tr>
<td>MATH 462</td>
<td>Abstract Algebra II</td>
</tr>
<tr>
<td>MATH 472</td>
<td>Introduction to Analysis II</td>
</tr>
<tr>
<td>MATH 476</td>
<td>Combinatorics</td>
</tr>
</tbody>
</table>

In addition, the following special methods sequence is also required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 434</td>
<td>Secondary Mathematics Methods</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 454</td>
<td>Secondary Mathematics Methods Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Hours** 51-52
Approved upper division mathematics electives to total 47 credits in the teaching major.

**B. 36-37-Credit Mathematics Teaching Major**

- **CS 112** Computational Thinking and Problem Solving 3
- **MATH 170** Analytic Geometry and Calculus I 4
- **MATH 175** Analytic Geometry and Calculus II 4
- **MATH 176** Discrete Mathematics 3
- **MATH 215** Proof via Number Theory 3
- **MATH 330** Linear Algebra 3
- **MATH 386** Theory of Numbers 3
- **MTHE 409** Algebraic and Functional Reasoning 3
- **MTHE 427** Transformational Geometry 3
- **MATH 390** Axiomatic Geometry 3
  or **MATH 391** Modern Geometry
- **MATH 461** Abstract Algebra I 3
  or **MATH 471** Introduction to Analysis I

**Select one of the following:** 3-4

- **STAT 251** Statistical Methods
- **STAT 301** Probability and Statistics
- **MATH 451** Probability Theory

**In addition, the following special methods sequence is also required:**

- **EDCI 434** Secondary Mathematics Methods 3
- **EDCI 454** Secondary Mathematics Methods Practicum 1

**Total Hours** 36-37

**C. 33-Credit Mathematics Teaching Minor**

- **EDCI 413** Data Analysis and Probability 3
- **EDCI 416** Proportional and Algebraic Reasoning 3
- **MATH 170** Analytic Geometry and Calculus I 4
- **MATH 175** Analytic Geometry and Calculus II 4
- **MATH 176** Discrete Mathematics 3
- **MATH 330** Linear Algebra 3
- **MATH 386** Theory of Numbers 3
- **MATH 390** Axiomatic Geometry 3
  or **MATH 391** Modern Geometry
- **MTHE 409** Algebraic and Functional Reasoning 3
- **MTHE 410** Proof and Viable Argumentation 3

**Select one of the following:** 3-4

- **STAT 251** Statistical Methods
- **STAT 301** Probability and Statistics
- **MATH 451** Probability Theory
In addition, the following special methods sequence is also required:

- EDCI 434 Secondary Mathematics Methods 3
- EDCI 454 Secondary Mathematics Methods Practicum 1

Total Hours: 27-28

**MOVEMENT SCIENCES**

1. Change the following course:

   **H&S 423 School Health Education Methods and Administration**

   3 credits
   Joint-listed with H&S 523
   Curriculum design, organization and administration, planning and instruction, methods and strategies, and resource materials for teaching health in school health and community settings. Team leadership project and activity. Additional work required for graduate credit. (Fall only)
   **Prereq:** H&S 150 or MVSC 201, EDCI 201, and acceptance into teacher preparation.

2. Create the following prefix (UCC-19-001a):

   **RSTM (Recreation, Sport, and Tourism Management)**

**COLLEGE OF ENGINEERING**

**BIOLOGICAL ENGINEERING**

1. Add the following courses:

   **BE 422 Tissue Biomechanics**

   3 credits
   Joint-listed with BE 522
   This course explores the structure and mechanical properties of hard and soft tissues. The main focus will be on musculoskeletal tissues and may include topics in bone, skin, cartilage, muscle, tendon and ligament. Structure-function relationships at a range of anatomical levels, from the cell to the whole tissue, will be examined. Journal articles will be used to discuss current research in tissue biomechanics. Additional projects/assignments are required for graduate credit. Recommended Preparation: Mechanics of Materials
   **Prereq:** Junior or Senior standing; or Instructor Permission

   **BE 522 Tissue Biomechanics**

   3 credits
   Joint-listed with BE 422
   This course explores the structure and mechanical properties of hard and soft tissues. The main focus will be on musculoskeletal tissues and may include topics in bone, skin, cartilage, muscle, tendon and ligament. Structure-function relationships at a range of anatomical levels, from the cell to the whole tissue, will be examined. Journal articles will be used to discuss current research in tissue biomechanics. Additional projects/assignments are required for graduate credit. Recommended Preparation: Mechanics of Materials
BE 423 Tissue Engineering and Regenerative Medicine  
3 credits  
Joint-listed with BE 523  
This course explores the principles, strategies, and tools used in the field of tissue engineering and regenerative medicine. Topics may include the application of biomaterials, stem cells, and bioreactors for restoring, maintaining and improving tissue function. Journal articles will be used to discuss current research in tissue engineering and regenerative medicine. Additional projects/assignments are required for graduate credit.  
Prereq: Junior or Senior standing or permission of instructor. Math 310 recommended but not required.

BE 523 Tissue Engineering and Regenerative Medicine  
3 credits  
Joint-listed with BE 423  
This course explores the principles, strategies, and tools used in the field of tissue engineering and regenerative medicine. Topics may include the application of biomaterials, stem cells, and bioreactors for restoring, maintaining and improving tissue function. Journal articles will be used to discuss current research in tissue engineering and regenerative medicine. Additional projects/assignments are required for graduate credit.

BE 426 Medical Imaging Techniques and Applications  
3 credits  
Joint-listed with BE 526  
This course studies the physical and mathematical principles of diagnostic medical imaging systems and may include: X-ray, CT, nuclear medicine (PET and SPECT), ultrasound, MRI, and others. Applications of imaging techniques will be discussed with respect to medical uses. Basic principles of image processing will be discussed and applied using computer programming software. Additional work is required for graduate credit.  
Prereq: MATH 275. PHYS 212, Junior or Senior standing or permission of instructor. Math 310 recommended but not required.

BE 526 Medical Imaging Techniques and Applications  
3 credits  
Joint-listed with BE 426  
This course studies the physical and mathematical principles of diagnostic medical imaging systems and may include: X-ray, CT, nuclear medicine (PET and SPECT), ultrasound, MRI, and others. Applications of imaging techniques will be discussed with respect to medical uses. Basic principles of image processing will be discussed and applied using computer programming software. Additional work is required for graduate credit.  
Prereq: MATH 275. PHYS 212, Junior or Senior standing or permission of instructor. Math 310 recommended but not required.

BE 561 Bioprocess Engineering  
3 credits  
Joint-listed with BE 461  
This course covers advanced applications of biological sciences, processing principles applied to the analysis and design of handling, processing, and separation of biomaterials. Students complete several
hands-on laboratory modules, in addition to a bioprocess design project. Additional work is required for graduate credit.

**Prereq:** Permission

2. Change the following courses:

   **BE 242 Biological Engineering Analysis and Design**
   
   **23 credits**
   Methods of analyzing and solving engineering problems, and introduction to elements of biological engineering design; use of computers in engineering problem solving. **Recommended Preparation:** computer science elective in a programming language.
   
   **Prereq:** MATH 170
   
   **Coreq:** MATH 175

   **BE 461 Bioprocess Engineering**
   
   **3 credits**
   Joint-listed with BE 561
   
   Carries 2 credits after ME 345. **This course covers advanced applications of biological sciences, processing principles and transport processes applied to the analysis and design of handling, processing, and producing separation of bioproducts.** Materials and bioprocesses. Course includes advanced biological sciences applications. Two lectures and one 3-hour lab a week. **(Spring only)**
   
   Students complete several hands-on laboratory modules, in addition to a bioprocess design project. Additional work is required for graduate credit.
   
   **Prereq:** MATH 310 and ENGR 320 and ENGR 335; or Permission.

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**CIVIL AND ENVIRONMENTAL ENGINEERING**

1. Change the following course:

   **CE 372 Fundamentals of Transportation Engineering**
   
   **43 credits**
   
   Intro to planning, design, and operation of highway and traffic, public transportation, and airport systems. Three lectures and one 3-hour lab a week; periodic field data collection and one or two field trips.
   
   **Prereq:** STAT 301 and CE 211. A minimum grade of 'C' or better is required for all pre/coreqs.
   
   **Coreq:** ENGL 317. A minimum grade of 'C' or better is required for all pre/coreqs.

2. Make the following curricular changes to the **Major in Civil Engineering (B.S.C.E.).**

   To graduate in this program, a minimum grade of C must be earned in all engineering, mathematics, and science courses used to satisfy the curriculum.

   Any student majoring in civil engineering may accumulate no more than 14 credits of D or F in mathematics, science, technical elective or engineering courses that are used to satisfy graduation requirements. Included in this number are multiple repeats of a single class or single repeats in multiple classes and courses transferred from other institutions. A warning will be issued in writing to students who have accumulated 7 credits of D or F in mathematics, science, technical elective, or engineering classes used to satisfy curricular requirements.
Required course work includes the university requirements (see regulation J-3) and:

CE 115  Introduction to Civil Engineering  1
CE 211  Engineering Surveying  3
CE 215  Civil Engineering Analysis and Design  3
CE 322  Hydraulics  4
CE 325  Fundamentals of Hydrologic Engineering  3
CE 330  Fundamentals of Environmental Engineering  3
CE 342  Theory of Structures  3
CE 357  Properties of Construction Materials  4
CE 360  Fundamentals of Geotechnical Engineering  4
CE 372  Fundamentals of Transportation Engineering  4
CE 491  Civil Engineering Professional Seminar  1
CE 494  Senior Design Project  3
CHEM 111 Principles of Chemistry I  3
CHEM 111L Principles of Chemistry I Laboratory  1
ENGL 317 Technical Writing  3
ENGR 105 Engineering Graphics  2
ENGR 210 Engineering Statics  3
ENGR 220 Engineering Dynamics  3
ENGR 240 Introduction to Electrical Circuits  3
  or ENGR 320 Engineering Thermodynamics and Heat Transfer
ENGR 335 Engineering Fluid Mechanics  3
ENGR 350 Engineering Mechanics of Materials  3
ENGR 360 Engineering Economy  2
GEOL 111 Physical Geology for Science Majors  3
GEOL 111L Physical Geology for Science Majors Lab  1
  or GEOL 101L Physical Geology Lab
MATH 170 Analytic Geometry and Calculus I  4
MATH 175 Analytic Geometry and Calculus II  4
MATH 275 Analytic Geometry and Calculus III  3
MATH 310 Ordinary Differential Equations  3
PHIL 103 Ethics  3
  or AMST 301 Studies in American Culture
PHYS 211 Engineering Physics I  3
  PHYS 211L Laboratory Physics  1
STAT 301 Probability and Statistics  3

Select one of the following:  3-4
ECON 201 Principles of Macroeconomics
ECON 202 Principles of Microeconomics
ECON 272 Foundations of Economic Analysis

Select one of the following:  4-5 3-4
BIOL 114 Organisms and Environments
BIOL 115 Cells & the Evolution of Life
  & 115L and Cells and the Evolution of Life Laboratory
BIOL 154 Introductory Microbiology
& BIOL 155 and Introductory Microbiology Laboratory
CHEM 112 Principles of Chemistry II
& 112L and Principles of Chemistry II Laboratory
PHYS 212 Engineering Physics II
& 212L and Laboratory Physics II
PHYS 213 Engineering Physics III
MATH 330 Linear Algebra
STAT 431 Statistical Analysis

Technical Civil and Environmental Engineering Electives

Select 21 credits from the following with at least 15 credits from at least three of the following five groups:¹

A total of 18 credits are required from: CE-prefix 400-level courses (except: CE 400, CE 403, CE 411, CE 491, CE 494, CE 498, and CE 499), GEOE-prefix 400-level courses (except: GEOE 403 and GEOE 499).

Environmental:
CE 431 Design of Water and Wastewater Systems I
CE 432 Design of Water and Wastewater Systems II
CE 433 Water Quality Management

Geotechnical:
CE 460 Geotechnical Engineering Design
GEOE 436 Geological Engineering Analysis and Design

Hyd/Water Resources:
CE 421 Engineering Hydrology
CE 422 Hydraulic Structures Analysis and Design
CE 428 Open Channel Hydraulics

Structures:
CE 441 Reinforced Concrete Design
CE 444 Steel Design
CE 445 Matrix Structural Analysis

Transportation:
CE 474 Traffic Systems Design
CE 475 Pavement Design and Evaluation

Total Hours 117-119 ¹Other CE 400 Seminar level classes (except CE 411 Engineering Fundamentals), or approved alternatives, may be used to complete the required 21 cr of tech electives.

Courses to total at least 129 credits for this degree, not counting Math below 170, English below 102, and any classes needed to remove deficiencies.
3. Make the following curricular changes to the **Geological Engineering Minor**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 325</td>
<td>Fundamentals of Hydrologic Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CE 360</td>
<td>Fundamentals of Geotechnical Engineering</td>
<td>4</td>
</tr>
<tr>
<td>CE 460</td>
<td>Geotechnical Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 220</td>
<td>Engineering Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 111</td>
<td>Physical Geology for Science Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 111L</td>
<td>Physical Geology for Science Majors Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 345</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 422</td>
<td>Principles of Geophysics</td>
<td>4</td>
</tr>
<tr>
<td>GEOE 407</td>
<td>Rock Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>GEOE 465</td>
<td>Excavation and Materials Handling</td>
<td>3</td>
</tr>
<tr>
<td>GEOE 436</td>
<td>Geological Engineering Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>HYDR 409</td>
<td>Quantitative Hydrogeology</td>
<td>3</td>
</tr>
</tbody>
</table>

*One approved Technical Elective in the Geotechnics area* | 3 |

**Elective Courses (choose 3 courses)** | 7-12 |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 360</td>
<td>Fundamentals of Geotechnical Engineering</td>
</tr>
<tr>
<td>CEE 330</td>
<td>Fundamentals of Environmental Engineering</td>
</tr>
<tr>
<td>CEE 421</td>
<td>Engineering Hydrology</td>
</tr>
<tr>
<td>CEE 460</td>
<td>Geotechnical Engineering Design</td>
</tr>
<tr>
<td>GEOE 428</td>
<td>Geostatistics</td>
</tr>
<tr>
<td>GEOL 111</td>
<td>Physical Geology for Science Majors</td>
</tr>
<tr>
<td>GEOL 111L</td>
<td>Physical Geology for Science Majors Lab</td>
</tr>
<tr>
<td>GEOL 345</td>
<td>Structural Geology</td>
</tr>
<tr>
<td>GEOL 422</td>
<td>Principles of Geophysics</td>
</tr>
<tr>
<td>GEOL 335</td>
<td>Geomorphology</td>
</tr>
<tr>
<td>GEOL 344</td>
<td>Earthquakes and Seismic Hazards</td>
</tr>
<tr>
<td>GEOL 345</td>
<td>Structural Geology</td>
</tr>
<tr>
<td>GEOL 309</td>
<td>Groundwater Geology</td>
</tr>
<tr>
<td>GEOL 361</td>
<td>Geology and the Environment</td>
</tr>
<tr>
<td>GEOL 410</td>
<td>Techniques of Groundwater Study</td>
</tr>
<tr>
<td>GEOL 422</td>
<td>Principles of Geophysics</td>
</tr>
<tr>
<td>HYDR 409</td>
<td>Quantitative Hydrogeology</td>
</tr>
<tr>
<td>HYDR 412</td>
<td>Environmental Hydrology</td>
</tr>
</tbody>
</table>

**Total Hours** | **3119-24**

Courses to total **3121** credits for this minor
CHEMICAL AND MATERIALS ENGINEERING

1. Reactivate the following courses:

**CHE 460 Biochemical Engineering**
3 credits
Joint-listed with CHE 560
Application of chemical engineering to biological systems including fermentation processes, biochemical reactor design, and biological separation processes. Additional projects/assignments reqd for grad cr.

**CHE 560 Biochemical Engineering**
3 credits
Joint-listed with CHE 460
Application of chemical engineering to biological systems including fermentation processes, biochemical reactor design, and biological separation processes. Additional projects/assignments reqd for grad cr.

2. Make the following curricular changes to the **Major in Chemical Engineering (B.S.Ch.E.)**:

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

- CHE 110 Introduction to Chemical Engineering 1
- CHE 123 Computations in Chemical Engineering 2
- CHE 210 Integrated Chemical Engineering Fundamentals 1
- CHE 223 Material and Energy Balances 3
- CHE 326 Chemical Engineering Thermodynamics 3
- CHE 330 Separation Processes I 3
- CHE 340 Transport and Rate Processes I 4
- CHE 341 Transport and Rate Processes II 4
- CHE 423 Reactor Kinetics and Design 3
- CHE 433 Chemical Engineering Lab I 1
- CHE 434 Chemical Engineering Lab II 1
- CHE 444 Process Analysis and Control 3
- CHE 445 Digital Process Control 3
- CHE 453 Process Analysis & Design I 3
- CHE 454 Process Analysis and Design II 3
- CHE 491 Seminar 1
- CHEM 111 Principles of Chemistry I 3
- CHEM 111L Principles of Chemistry I Laboratory 1
- CHEM 112 Principles of Chemistry II 4
- CHEM 112L Principles of Chemistry II Laboratory 1
- CHEM 277 Organic Chemistry I 3
- CHEM 278 Organic Chemistry I: Lab 1
- CHEM 305 Physical Chemistry 3
- CHEM 307 Physical Chemistry Lab 1
- CHEM 372 Organic Chemistry II 3
- CHEM 374 Organic Chemistry II: Lab 1
- ENGR 210 Engineering Statics 3
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**OCTOBER 31, 2018**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 240</td>
<td>Introduction to Electrical Circuits</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 320</td>
<td>Engineering Thermodynamics and Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 335</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 170</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Engineering Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Engineering Physics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one Chemical or Material Science Engineering Technical Elective course 390 or greater 3

Select one Chemical/Bioscience course 3

Select one Chemical/Bioscience lab course 1

Select one Computer Science Elective in a programming language 3

Select one Economics Elective 3

Select three Humanities and Social Science Elective courses: 9

Select one Communications Elective course 2

Select one Mathematics Elective numbered 300 or greater 3

Select 6 credits of Technical Electives in Math, Science, or Engineering numbered 300 or greater 6

### Total Hours

125

1Must be numbered 300 or greater, excluding any 398, 498, or 598 Internship.

2Technical Electives in Math, Science, or Engineering: must be numbered 300 or greater.

Courses to total 128 credits for this degree, not counting ENGL 101, any 398 (Internship), any 498 (Internship), any 598 (Internship), or mathematics courses numbered lower than MATH 170, and other courses that might be required to remove deficiencies.

To be enrolled in upper-division CHE courses, a student majoring in chemical engineering must earn a grade of C or better in each of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 111L</td>
<td>and Principles of Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; 112L</td>
<td>and Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHE 223</td>
<td>Material and Energy Balances</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 210</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 320</td>
<td>Engineering Thermodynamics and Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 335</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Hours

27
Students transferring CHE 223 or its equivalent from a university without an ABET accredited chemical engineering program must pass a test on the subject matter of this course before enrolling in upper-division CHE courses.

In addition, a passing grade is required in each of the following courses before enrolling in upper-division CHE courses:

- CHE 123 Computation in Chemical Engineering 2
- Computer Science Elective 3
- ENGL 102 College Writing and Rhetoric 3
- MATH 170 Analytic Geometry and Calculus I 4
- MATH 175 Analytic Geometry and Calculus II 4
- PHYS 211 Engineering Physics I 3
- PHYS 212 Engineering Physics II 3

Total Hours 22

A student majoring in chemical engineering may not register for upper-division CHE courses after accumulating more than four grades of D or F in UI mathematics, science, or engineering courses. Included in this number are multiple repeats in a single class or single repeats in multiple classes. A warning will be issued in writing to students who have accumulated two grades of D or F used to satisfy curricular requirements.

A GPA in CHE designated courses of at least 2.0 is required to graduate

Courses to total 128 credits for this degree

**ELECTRICAL AND COMPUTER ENGINEERING**

1. Change the following courses:

   **ECE 421 Introduction to Power Systems**
   3 credits
   One line diagrams, regulating transformers, calculation of transmission line parameters, line models, Ybus, power flow, power flow studies using commercial software, contingency studies, and power system control. (Fall only)
   **Prereq: ECE 420**

   **ECE 521 Power System Stability**
   3 credits
   Understanding, modeling, and analysis of power system transient and voltage stability; techniques for improving power system stability; use of computer tools. Cooperative: open to WSU degree-seeking students. (Alt/yrs)
   **Prereq: ECE 520 or Permission. Coreq: ECE 422 or permission**
INDUSTRIAL TECHNOLOGY

1. Make the following curricular changes to the **Major in Industrial Technology (B.S.Tech)**:

The Industrial Technology Bachelor of Science degree program is designed to provide students with the opportunity to develop in-depth knowledge and hands-on experience in basic and advanced industrial processes, procedures, planning, and management.

The degree program requires 122 credits and includes the university requirements (regulation J-3). There are **99 credits** of required courses and **24 credits** of electives. Of the 24 elective credits 13 are technical electives and 11 free electives. The required courses for this program are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHR 311</td>
<td>Introduction to Management</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111L</td>
<td>Principles of Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 317</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 105</td>
<td>Engineering Graphics</td>
<td>2</td>
</tr>
<tr>
<td>INDT 310</td>
<td>Introduction to Industrial Technology</td>
<td>3</td>
</tr>
<tr>
<td>INDT 311</td>
<td>Problems in Industrial Technology</td>
<td>1</td>
</tr>
<tr>
<td>INDT 332</td>
<td>Introduction to Analog and Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>INDT 333</td>
<td>Industrial Electronics and Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>INDT 350</td>
<td>Introduction to Materials Science</td>
<td>3</td>
</tr>
<tr>
<td>INDT 353</td>
<td>Manufacturing Systems</td>
<td>3</td>
</tr>
<tr>
<td>INDT 362</td>
<td>Behavior Based Safety</td>
<td>3</td>
</tr>
<tr>
<td>INDT 415</td>
<td>Impact of Technology on Society</td>
<td>3</td>
</tr>
<tr>
<td>INDT 434</td>
<td>Power Generation and Distribution</td>
<td>3</td>
</tr>
<tr>
<td>INDT 435</td>
<td>Network Administration</td>
<td>3</td>
</tr>
<tr>
<td>INDT 442</td>
<td>Systems Integration</td>
<td>3</td>
</tr>
<tr>
<td>INDT 443</td>
<td>Government Contract Law</td>
<td>3</td>
</tr>
<tr>
<td>INDT 444</td>
<td>Quality Assurance Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>INDT 446</td>
<td>Labor Law</td>
<td>3</td>
</tr>
<tr>
<td><strong>INDT 448</strong></td>
<td>Project and Program Management</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>INDT 453</td>
<td>Computer Integrated and Robotics Manufacturing Technology</td>
<td>3</td>
</tr>
<tr>
<td>INDT 462</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>INDT 484</td>
<td>Industrial Technology Capstone I</td>
<td>3</td>
</tr>
<tr>
<td>INDT 485</td>
<td>Industrial Technology Capstone II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 170</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>PHYS 111</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 111L</td>
<td>General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 112L</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STAT 251</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 301</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
</tbody>
</table>
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Select Technical Electives (not limited to the following): 1

1. INDT 448 Project and Program Management
2. INDT 457 Lean to Green Sustainable Technology
3. INDT 463 Industrial Transportation Safety
4. INDT 464 Human Performance Fundamentals
5. INDT 465 Construction Safety
6. INDT 466 Human Performance Field Investigation
7. INDT 470 Homeland Security
8. INDT 472 National Incident Management Systems

Total Hours 99

1This degree is currently only available at the Idaho Falls Center

2Elective credit can also be obtained through Technical Competency. Up to 24 credits can be obtained in this manner. Consult with your advisor for information on this process.

Courses to total 122 credits for this degree

MECHANICAL ENGINEERING

1. Reactivate the following courses:

ME 415 Materials Selection and Design
3 credits
Cross-listed with MSE 415
Selection of materials for use in structural applications; consideration of environment, stress conditions, cost, and performance as guide to properties; optimization of choice of materials and fabrication methods; open-ended problems of real applications in various industries. Recommended Preparation: MSE 313 and MSE 456. (Spring only)
Prereq: MSE 201 and ENGR 350

ME 527 Thermodynamics
3 credits
Thermodynamic laws for design and optimization of thermodynamic systems, equations of state, properties of ideal and real fluids and fluid mixtures, stability, phase equilibrium, chemical equilibrium, applications of thermodynamic principles. Cooperative: open to WSU degree-seeking students.
Prereq: ME 322 or ENGR 320 or Permission

ME 583 Reliability of Engineering Systems
3 credits
Cross-listed with CE 541.
Fundamentals of reliability theory, system reliability analysis including common-mode failures and fault tree and event tree analysis, time-dependent reliability including testing and maintenance, propagation of uncertainty, human reliability analysis, practical applications in component and system design throughout the semester. Cooperative: open to WSU degree-seeking students.
Prereq: Permission
COLLEGE OF LETTERS, ARTS AND SOCIAL SCIENCES

ENGLISH

1. Add the following courses:

ENGL 281 Introduction to Women’s Literature
3 credits
Introduction to significant texts by women writers, with an emphasis on major social and political changes. Focus on the intersections of gender, sexuality, race, and/or class.
Prereq: ENGL 102

ENGL 365 Studies in Romantic Literature
3 credits
Offered in period survey, themes, or major authors.
Prereq: ENGL 102
Coreq: One 200-level ENGL Survey

ENGL 461 (s) Seminar in Poetry
3 credits, max 6
Seminar in modern, contemporary, global, or other periods or focuses of poetry and/or poetic theory. Topics vary by semester.
Prereq: ENGL 102 and one 200-level ENGL Survey

ENGL 462 (s) Seminar in Fiction
3 credits, max 6
Seminar in modern, contemporary, global, or other periods or focuses of fiction and/or fiction theory. Topics vary by semester.
Prereq: ENGL 102 and one 200-level ENGL Survey

ENGL 462 (s) Seminar in Nonfiction
3 credits, max 6
Seminar in the traditions and practices of nonfiction literature. Concentrations will vary by semester and may concern life writing, the essay, place study, or narrative account, or may emphasize other forms or particular periods of nonfiction.
Prereq: ENGL 102 and one 200-level ENGL Survey

2. Change the following courses:

ENGL 101 Introduction to College Writing
3 credits
Gen Ed: English
Workshop on strategies for generating ideas for writing, for planning and organizing material, and for revising and editing; intended to prepare students for the demands of college writing, focusing on reading critically and incorporating source material. Graded P (pass)/N (repeat)/F (fail).
Coreq: Students with ACT scores 1-17, SAT reading scores 10-24, COMPASS scores 1-67, or no standardized test scores must concurrently enroll in ENGL 109
ENGL 102 College Writing and Rhetoric Writing and Rhetoric II
3 credits
Gen Ed: English
Applied principles of expository and argumentative essay writing, including summaries, critiques, and syntheses of texts, and the research essay; emphasis on clear, concise, and vigorous prose. Graded A/B/C/N (repeat)/F.
Prereq: ENGL 101 or Equivalent.

ENGL 109 Writing Studio
1 credit
Student-centered group tutorial focusing on writing improvement connected to the English 101 course. Student-centered small-group tutorial sessions connected to the English 101 curriculum, supplemented by individualized support in the Writing Center. Graded Pass/Fail.
Coreq: ENGL 101

ENGL 175 Introduction to Literary Genres Literature and Ideas
3 credits
Gen Ed: Humanities
Introduction to the terminology, techniques, and formal characteristics of literary genres. Intended to provide the general student and the beginning English major with basic experience in literary analysis.

ENGL 257 Literature of Western Civilization Survey of Western World Literature I
3 credits
Gen Ed: Humanities
Masterpieces Major texts reflecting development of Western thought and culture, Classical Greece to the Renaissance.
Prereq or Coreq: ENGL 102

ENGL 258 Literature of Western Civilization Survey of Western World Literature II
3 credits
Gen Ed: Humanities
Masterpieces Major texts reflecting development of Western thought and culture, 17th century to the present.
Prereq or Coreq: ENGL 102

ENGL 322 Studies in Environmental Literature and Culture
3 credits
Gen Ed: Humanities
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.
Prereq: ENGL 102

ENGL 341 Survey of British Literature I
3 credits
Gen Ed: Humanities
Medieval, Renaissance, 17th Century, Restoration, and 18th Century Literature.
ENGL 342 268 Survey of British Literature II
3 credits
*Gen Ed: Humanities*
Romantic, Victorian, Modern, and Contemporary literature.
**Prereq** or **Coreq:** ENGL 102

ENGL 343 277 Survey of American Literature I
3 credits
*Gen Ed: Humanities*
Indigenous beginnings to the American Civil War.
**Prereq** or **Coreq:** ENGL 102

ENGL 344 278 Survey of American Literature II
3 credits
*Gen Ed: Humanities*
Post-Civil War to contemporary writers.
**Prereq** or **Coreq:** ENGL 102

ENGL 345 Studies in Shakespeare
3 credits
*Gen Ed: Humanities*
Introductory course; background and study of selected plays representative of Shakespeare's achievement work.
**Prereq:** ENGL 102

ENGL 380 Introduction to Studies in U.S. Ethnic Literatures
3 credits
*Gen Ed: American Diversity*
Emphasis on U.S. minority writers and reading across cultures; selections will vary from semester to semester.
**Prereq:** ENGL 102

ENGL 382 Studies in Queer Literature
3 credits
Comparative study of significant LGBTQ+ texts, topics, and writers, with emphasis on understanding the queer experience inherent in landmark works of fiction, poetry, nonfiction, and drama.
**Prereq:** ENGL 102
ENGL 400 (s) Seminar  
**Credit arranged**: 3 credits, max arranged  
Specialized focus on literature and theory; topics vary by semester.  
**Prereq:** ENGL 102 and one 200-level

ENGL 420329 (s) Studies in Literature and Film  
3 credits, max 6  
Study of both literature and film in considering with emphasis on a time period, theme, culture, or genre. Recommended Preparation: ENGL 230.  
**Prereq:** ENGL 102  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258. [One 200-level ENGL Survey]

ENGL 432 Seminar in Film Theory and Criticism  
3 credits  
Survey of Seminar in major principles and methods of film theory and criticism as they relate to the development of film art from 1890 to the present. Recommended Preparation: ENGL 230 or ENGL 310.  
**Prereq:** ENGL 102 and one 200-level ENGL Survey  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258.

ENGL 451351 Studies in Renaissance and 17th Seventeenth-Century Literature  
3 credits  
Normally offered Offered in period survey, themes, or major authors.  
**Prereq:** ENGL 102  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258. [One 200-level ENGL Survey]

ENGL 456356 Studies in Restoration and Eighteenth-Century Literature  
3 credits  
Offered in period survey, themes, or major authors.  
**Prereq:** ENGL 102  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258. [One 200-level ENGL Survey]

ENGL 466366 Studies in The Victorian Period Literature  
3 credits  
Offered in themes, genre studies, or major authors.  
**Prereq:** ENGL 102  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258. [One 200-level ENGL Survey]

ENGL 473 (s) Seminar in American Regional Literature  
3 credits, max 6  
Studies in the distinctive qualities of literature from various U.S. regions, such as the West, the Northwest, the South, the Midwest, and New England. Studies in the distinctive qualities of literature from various regions around the world, such as the American West, New England, the Caribbean, Anglophone Africa, etc. Emphasis on the particular sociohistorical contexts of a region and their influence on literature produced in that region. Region varies by semester.  
**Prereq:** ENGL 102 and one 200-level ENGL Survey  
**Prereq or Coreq:** ENGL 175 or ENGL 257 or ENGL 258.
ENGL 481 (s) Seminar in Women's Literature
3 credits, max 6
Literature by women; genres, nationalities, and historical periods may vary from semester to semester. (Alt/ yrs).
Prereq: ENGL 102 and one 200-level ENGL Survey
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258.

ENGL 482 (s) Seminar in Major Authors
3 credits, max arranged
Comprehensive study of the works of a single author. See the Time Schedule for author. Author varies by semester.
Prereq: ENGL 102 and one 200-level ENGL Survey
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258.

ENGL 483 (s) Studies in African American Literature
3 credits
Major themes and traditions in African American texts.
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258. One 200-level ENGL Survey.

ENGL 484 (s) Studies in American Indian Literature
3 credits
Gen Ed: American Diversity
Cross-listed with AIST 484
Major themes and traditions in American Indian texts.
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258. One 200-level ENGL Survey.

ENGL 485 (s) Studies in Global Anglophone Literatures in English
3 credits, max 6
Recent developments in international literature, with emphasis on literature from postcolonial Anglophone cultures and diasporic communities. Recommended preparation: ENGL 215 and ENGL 258. Emphasis on literature from postcolonial Anglophone cultures and diasporic communities.
Prereq: ENGL 102
Coreq: One 200-level ENGL Survey

3. Drop the following courses:

ENGL 426 Modern Poetry
3 credits
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258.

ENGL 427 Modern Fiction, 1900-1945
3 credits
Offered with emphasis on British and/or American writers.
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258.

ENGL 429 Contemporary Fiction
3 credits
Fiction since 1945; offered with emphasis on British and/or American writers.
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258

ENGL 431 Contemporary Poetry
3 credits
Important poets from the latter part of the 20th century to the present. The instructor may survey the works of numerous poets, or may focus on as few as six.
Prereq: ENGL 102
Prereq or Coreq: ENGL 175 or ENGL 257 or ENGL 258.

4. Make the following curricular changes to the Major in English (B.A.):

Where specific courses are listed with the area requirements, the department may approve equivalencies.
Required course work includes the university requirements (see regulation J-3), the general requirements for the B.A. degree, and one of the following emphases:

A. Literature Emphasis

Foundations
ENGL 215 Introduction to English Studies 3
ENGL 230 Introduction to Film Studies 3
ENGL 310 Literary Theory 3

Literary History
ENGL 345 Shakespeare (OR one 400-Level English Literature Course before 1800) 3
One Upper-Division Course in Literature before 1900 3
Select one course from the following: 3
ENGL 221 History of Film 1895-1945
ENGL 222 History of Film 1945-Present
ENGL 257 Literature of Western Civilization
ENGL 258 Literature of Western Civilization

Select two courses from the following: 6
ENGL 341 Survey of British Literature
ENGL 342 Survey of British Literature
ENGL 343 Survey of American Literature
ENGL 344 Survey of American Literature

Linguistics
ENGL 241 Intro to the Study of Language 3
or ENGL 496 History of the English Language

Cultural Diversity
Select one course in non-canonical or underrepresented literatures 3
AIST 320 Native American & Indigenous Film
ENGL 380 Introduction to U.S. Ethnic Literatures
ENGL 481 Women’s Literature
ENGL 483 African American Literature
ENGL 484 American Indian Literature
ENGL 485 Global Literatures in English

Or an advisor-approved special topics or extra-departmental course

Electives

Select three 400-Level Courses in Literature — 9

Select 3 credits of electives from the following: — 3

Additional 400-Level Literature Course
ENGL 322 Environmental Literature and Culture
ENGL 375 The Bible as Literature
ENGL 380 Introduction to U.S. Ethnic Literatures

Capstone
ENGL 490 Senior Seminar — 3

Total Hours — 45

Courses to total 120 credits for this degree

A. Literature Emphasis

Required courses
ENGL 215 Introduction to English Studies
ENGL 310 Literary Theory
ENGL 400 Seminar (in Literature and Theory)
ENGL 490 Senior Seminar (Capstone)

History and Traditions

Select 7 courses from the following: — 21
ENGL 221 History of Film, 1895-1945
ENGL 222 History of Film, 1945-present
ENGL 241 Introduction to the Study of Language
ENGL 257 Survey of Western World Literature I
ENGL 258 Survey of Western World Literature II
ENGL 267 Survey of British Literature I
ENGL 268 Survey of British Literature II
ENGL 277 Survey of American Literature I
ENGL 278 Survey of American Literature II
ENGL 345 Studies in Shakespeare
ENGL 351 Studies in Renaissance and Seventeenth-Century Literature
ENGL 356 Studies in Restoration and Eighteenth-Century Literature
ENGL 365 Studies in Romantic Literature
ENGL 366 Studies in Victorian Literature
ENGL 375 Studies in Literary Genres

12 cr at 200-level, 9 of which are Surveys, and 9 cr at 300-level

Expanding the Canon (courses in underrepresented literatures and film)

Select two course from the following: — 6
ENGL 230 Introduction to Film Studies
ENGL 281  Introduction to Women’s Literature  
AIST 320  Native American & Indigenous Film  
ENGL 329  Studies in Literature and Film  
ENGL 322  Studies in Environmental Literature and Culture  
ENGL 380  Studies in U.S. Ethnic Literatures  
ENGL 382  Studies in Queer Literature  
ENGL 383  Studies in African American Literature  
ENGL 384  Studies in American Indian Literature  
ENGL 385  Studies in Global Anglophone Literatures  

Seminars³  
Select two courses from the following: 6  
ENGL 400  Seminar  
ENGL 461  Seminar in Poetry  
ENGL 462  Seminar in Fiction  
ENGL 463  Seminar in Nonfiction  
ENGL 481  Seminar in Women’s Literature  
ENGL 432  Seminar in Film Theory and Criticism  
ENGL 473  Seminar in Regional Literature  
ENGL 482  Seminar in Major Authors  
ENGL 496  History of the English Language  
²Two additional 400-Level ENGL courses from the following; one may be an additional ENGL 400 on a different topic.  

Courses to total 120 credits for this degree  

B. Creative Writing Emphasis  

Foundations——  
ENGL 215——Introduction to English Studies——3  

Literary History——  
ENGL 257——Literature of Western Civilization——3  
or ENGL 258——Literature of Western Civilization  
ENGL 345——Shakespeare (OR a 400-level English Literature Course before 1800)——3  

Select two courses from the following: 6  
ENGL 341——Survey of British Literature——  
ENGL 342——Survey of British Literature——  
ENGL 343——Survey of American Literature——  
ENGL 344——Survey of American Literature——  

Genre Craft/Workshop Courses——  
ENGL 290——Introduction to Creative Writing——  
Select a full numerical sequence in two genres and at least one intermediate course in a third: 4 15  
ENGL 391——Intermediate Poetry Writing——  
ENGL 392——Intermediate Fiction Writing——  
ENGL 393——Intermediate Nonfiction Writing——  
ENGL 491——Advanced Poetry Writing——  
ENGL 492——Advanced Fiction Writing——  
ENGL 493——Advanced Nonfiction Writing——
Cultural Diversity
Select one course in non-canonial or underrepresented literature. 3
ENGL 380 Introduction to U.S. Ethnic Literatures 3
ENGL 382 Queer Literature 3
ENGL 481 Women’s Literature 3
ENGL 483 African American Literature 3
ENGL 484 American Indian Literature 3
Or an advisor-approved special topics or extra-departmental course

Electives
Select one 400-Level Literature Course 3
Select one additional 400-Level Literature course 2 3

Capstone
ENGL 490 Senior Seminar 3

Total Hours 45

Courses to total 120 credits for this degree

1Students must take a full numerical sequences in two genres (ex. ENGL 391 and ENGL 491; plus ENGL 392 and ENGL 492), and at least one intermediate course in a third genre (ex. ENGL 393).

B. Creative Writing Emphasis

Required courses
ENGL 215 Introduction to English Studies 6
ENGL 490 Senior Seminar

History and Traditions
Select four courses from the following: 12
ENGL 221 History of Film, 1895-1945
ENGL 222 History of Film, 1945-present
ENGL 241 Introduction to the Study of Language
ENGL 257 Survey of Western World Literature I
ENGL 258 Survey of Western World Literature II
ENGL 267 Survey of British Literature I
ENGL 268 Survey of British Literature II
ENGL 277 Survey of American Literature I
ENGL 278 Survey of American Literature II
ENGL 345 Studies in Shakespeare
ENGL 351 Studies in Renaissance and Seventeenth-Century Literature
ENGL 356 Studies in Restoration and Eighteenth-Century Literature
ENGL 365 Studies in Romantic Literature
ENGL 366 Studies in Victorian Literature
ENGL 375 Studies in Literary Genres

16 cr must be Survey courses, 3 cr must be pre-1900 courses at the 300 level (345, 351, 356, 365, 366)

Genre Workshop Courses 15
ENGL 290 Introduction to Creative Writing

and then 12 additional credits including at least one full numerical sequence in a genre
ENGL 391 Intermediate Poetry Writing
ENGL 392   Intermediate Fiction Writing
ENGL 393   Intermediate Nonfiction Writing
ENGL 491   Advanced Poetry Writing
ENGL 492   Advanced Fiction Writing
ENGL 493   Advanced Nonfiction Writing

**Expanding the Canon (courses in underrepresented literatures and film)***
Select two courses from the following: 6
- ENGL 230  Introduction to Film Studies
- ENGL 281  Introduction to Women’s Literature
- AIST 320  Native American & Indigenous Film
- ENGL 329  Studies in Literature and Film
- ENGL 322  Studies in Environmental Literature and Culture
- ENGL 380  Studies in U.S. Ethnic Literatures
- ENGL 382  Studies in Queer Literature
- ENGL 383  Studies in African American Literature
- ENGL 384  Studies in American Indian Literature
- ENGL 385  Studies in Global Anglophone Literatures

**Seminars***
Select two courses from the following: 6
- ENGL 400  Seminar
- ENGL 461  Seminar in Poetry
- ENGL 462  Seminar in Fiction
- ENGL 463  Seminar in Nonfiction
- ENGL 481  Seminar in Women’s Literature
- ENGL 432  Seminar in Film Theory and Criticism
- ENGL 473  Seminar in Regional Literature
- ENGL 482  Seminar in Major Authors
- ENGL 496  History of the English Language

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

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

- **Foundations**
  - ENGL 202   Intro to Professional Writing  3
  - ENGL 215   Introduction to English Studies  3

- **Professional Writing**
  Select one course from the following: 3
  - ENGL 207   Persuasive Writing
  - ENGL 208   Personal & Exploratory Writing
  - ENGL 293   Beginning Nonfiction Writing
  - ENGL 290   Introduction to Creative Writing
Note: ENGL 208 and ENGL 290 cannot both count towards fulfillment of the requirements in the Professional Writing Emphasis.

Select four courses from the following: 12
- ENGL 309 Rhetorical Style
- ENGL 313 Business Writing
- ENGL 316 Environmental Writing
- ENGL 317 Technical Writing
- ENGL 318 Science Writing
- ENGL 393 Intermediate Nonfiction Writing
- ENGL 402 Internship in Tutoring Writing
- ENGL 419 Writing for the Web
- ENGL 498 Professional Writing Internship

Linguistics
- ENGL 241 Intro to the Study of Language 3

Literary History
Select 6 credits from the following: 6
- ENGL 257 Survey of Western World Literature I Civilization
- ENGL 258 Survey of Western World Literature II Civilization
- ENGL 267 Survey of British Literature I
- ENGL 268 Survey of British Literature II
- ENGL 277 Survey of American Literature I
- ENGL 278 Survey of American Literature II

Cultural Diversity
Select one course in non-canonical or underrepresented literatures: 3
- AIST 320 Native American & Indigenous Film
- ENGL 380 Studies in U.S. Ethnic Literatures
- ENGL 382 Studies in Queer Literature
- ENGL 481 Seminar in Women’s Literature
- ENGL 383 Studies in African American Literature
- ENGL 384 Studies in American Indian Literature
- ENGL 385 Studies in Global Anglophone Literatures in English

Or an advisor-approved special topics or extra-departmental course

Electives
Select three courses from the following: 9
- ART 216 Digital Tools
- ART 221 Introduction to Graphic Design
- COMM 233 Interpersonal Communication
- COMM 332 Communication and the Small Group
- COMM 335 Intercultural Communication
- COMM 355 Organizational Communication
COMM 410 Conflict Management

ENGL Any upper-division (above 200 level) course not already taken to satisfy the above requirements.

HIST 382 History of Biology: Conflicts and Controversies

JAMM 325 Publications Editing

JAMM 350 Public Relations Writing and Production

JAMM 425 Feature Article Writing

POLS 364 Politics of the Environment

POLS J454 Public Organization Theory

PSYC 320 Introduction to Social Psychology

SOC 230 Social Problems

SOC 301 Introduction to Diversity and Stratification

SOC 424 Sociology of Gender

SOC 427 Racial and Ethnic Relations

Capstone
ENGL 440 Client-Based Writing 3

Courses to total 120 credits for this degree

*Any English Course numbered 200 or above cannot have been taken to satisfy one of the above requirements.

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

D. Teaching Emphasis

Foundations
ENGL 215 Introduction to English Studies 3

Literary History
ENGL 257 Literature of Western Civilization 3

or ENGL 258 Literature of Western Civilization

ENGL 341 Survey of British Literature 3

or ENGL 342 Survey of British Literature

ENGL 343 Survey of American Literature 3

ENGL 344 Survey of American Literature 3

ENGL 345 Shakespeare 3

Language
ENGL 201 English Grammar: Key Concepts and Terms 1

ENGL 241 Intro to the Study of Language 3

Select two linguistics courses from the following: 6
ENGL 442 Introduction to Morphology and Syntax

ENGL 444 Sociolinguistics

ENGL 496 History of the English Language

Writing
ENGL 309 Rhetorical Style 3

ENGL 401 Writing Workshop for Teachers 3
Select one course from the following: 3
ENGL 208 — Personal & Exploratory Writing
ENGL 291 — Beginning Poetry Writing
ENGL 292 — Beginning Fiction Writing
ENGL 293 — Beginning Nonfiction Writing

Cultural Diversity
Select one course in non-canonical or underrepresented literatures: 3
ENGL 380 — Introduction to U.S. Ethnic Literatures
ENGL 481 — Women’s Literature
ENGL 483 — African American Literature
ENGL 484 — American Indian Literature

Or an advisor-approved special topics or extra-departmental course:
Electives —— 9
Select one 400-Level Literature Course: 3
Select one 300 or 400-level Literature Course: 3
Select one Elective Course at the 300 or 400-Level: 3

Capstone —— 3-15
EDCI 485 — Secondary Internship
ENGL 490 — Senior Seminar

Students who seek to fulfill requirements for teaching certification must complete the EDCI 485 Secondary Internship. Students who decide not to complete the secondary teaching internship must complete ENGL 490 Senior Seminar and may fulfill any remaining credits with electives.

Total Hours —— 61-73
Courses to total 120 credits for this degree

D. Teaching Emphasis
Foundations
ENGL 215 — Introduction to English Studies — 3

History and Traditions
ENGL 257 — Survey of Western World Literature I
OR
ENGL 258 — Survey of Western World Literature II

ENGL 267 — Survey of British Literature I
OR
ENGL 268 — Survey of British Literature II

ENGL 277 — Survey of American Literature I
ENGL 278 — Survey of American Literature II
ENGL 345 — Studies in Shakespeare

Language
ENGL 201 — English Grammar, Key Concepts and Terms
ENGL 241 — Introduction to the Study of Language

Select two linguistics courses from the following:
General Curriculum Report #293  
UNIVERSITY OF IDAHO – OFFICE OF THE REGISTRAR  
OCTOBER 31, 2018

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<tr>
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<tr>
<td>ENGL 408</td>
<td>Language Acquisition and Development</td>
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<tr>
<td>ENGL 442</td>
<td>Introduction to English Syntax</td>
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<tr>
<td>ENGL 444</td>
<td>Sociolinguistics</td>
<td></td>
</tr>
<tr>
<td>ENGL 496</td>
<td>History of the English Language</td>
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**Writing**  
9 credits

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>ENGL 309</td>
<td>Rhetorical Style</td>
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<tr>
<td>ENGL 401</td>
<td>Writing Workshop for Teachers</td>
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<tr>
<td>ENGL 208</td>
<td>Personal and Exploratory Writing</td>
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<tr>
<td>OR ENGL 290</td>
<td>Introduction to Creative Writing</td>
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</table>

**Expanding the Canon (one course in underrepresented literatures)**  
3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENGL 380</td>
<td>Studies in U.S. Ethnic Literatures</td>
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<td>ENGL 382</td>
<td>Studies in Queer Literature</td>
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<td>ENGL 383</td>
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<td>ENGL 384</td>
<td>Studies in American Indian Literature</td>
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<tr>
<td>ENGL 385</td>
<td>Studies in Global Anglophone Literatures</td>
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<tr>
<td>ENGL 481</td>
<td>Seminar in Women’s Literature</td>
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*Or an adviser-approved special topics or extra-departmental course*

**Electives**  
9 credits

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>Two 300- or 400-level ENGL literature courses</td>
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<tr>
<td>One elective ENGL course at the 300 or 400 level</td>
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**Capstone:**  
3-15 credits

One course from the following—note that students who seek to fulfill requirements for teaching certification must complete the EDCI 485 Secondary Internship; students who decide not to complete the secondary teaching internship must complete ENGL 490 Senior Seminar:

- EDCI 485 Secondary Internship
- ENGL 490 Senior Seminar

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

**E. Linguistics and Literacy**

**Foundations**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 215</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 241</td>
<td>Intro to the Study of Language</td>
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**Linguistics**

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 407</td>
<td>Phonetics and Phonology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 408</td>
<td>Language Acquisition and Development</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 442</td>
<td>Introduction to Morphology and Syntax</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 444</td>
<td>Sociolinguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 496</td>
<td>History of the English Language</td>
<td>3</td>
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</table>

**Pedagogy**

Select two courses from the following:  
6 credits

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Page 34 of 56
EDCI 437  Secondary Foreign Language Methods
EDCI 448  Introduction to ENL
EDCI 449  ENL Methods
ENGL 413  ESL Methods I: Basic Oral/Aural Skills
ENGL 414  ESL Methods II: Reading, Writing, and Special Purpose English

Electives
Select two courses from the following:   6
ANTH 261  Language and Culture
ANTH 427  Racial and Ethnic Relations
COMM 335  Intercultural Communication
ENGL 380  Studies in Introduction to U.S. Ethnic Literatures
ENGL 401  Writing Workshop for Teachers
ENGL 402  Internship in Tutoring Writing
ENGL 448  Psycholinguistics
ENGL 481  Seminar in Women's Literature
ENGL 383  Studies in African American Literature
ENGL 384  Studies in American Indian Literature
ENGL 385  Studies in Global Anglophone Literatures in English
FLEN 243  English Word Origins

Focus Area
Select 15 credits that focus on writing or 15 credits that focus on literature to satisfy the literacy component:

Writing Focus
Foundations
ENGL 202  Intro to Professional Writing   3

Select two courses from the following:   6
ENGL 207  Persuasive Writing
ENGL 208  Personal & Exploratory Writing
ENGL 293  Beginning Nonfiction Writing
ENGL 290  Introduction to Creative Writing

Select two courses from the following:   6
ENGL 309  Rhetorical Style
ENGL 313  Business Writing
ENGL 316  Environmental Writing
ENGL 317  Technical Writing
ENGL 318  Science Writing
ENGL 393  Intermediate Nonfiction Writing

Literature Focus
ENGL 257  Survey of Western World Literature I Civilization   3
ENGL 258  Survey of Western World Literature II Civilization   3
ENGL 310  Literary Theory   3
Select two courses from the following: 6
ENGL 267341 Survey of British Literature I
ENGL 268342 Survey of British Literature II
ENGL 277343 Survey of American Literature I
ENGL 278344 Survey of American Literature II
Final Capstone 3
ENGL 490 Senior Seminar

Total Hours 66
Courses to total 120 credits for this degree

Teacher Certification
CLASS English majors wishing secondary teaching certification must complete the appropriate English and education courses listed in the "Teaching Majors and Minors" in the Department of Curriculum and Instruction section of this catalog. Students should plan their programs with their English advisor; they should also see a College of Education, Health and Human Sciences advisor regarding certification requirements.

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

ENGL 215 Introduction to English Studies 3
ENGL 267341 Survey of British Literature I 3
or ENGL 268342 Survey of British Literature II 3
ENGL 277343 Survey of American Literature I 3
or ENGL 278344 Survey of American Literature II 3

Select four Upper-Division English courses 1 12

Total Hours 21
Courses to total 21 credits for this minor

1Chosen from any course at the 300 or 400 level, excluding non majors courses; at least two must be literature courses, and at least one must be at the 400 level.

6. Make the following curricular changes to the Professional Writing Minor:

ENGL 202 Intro to Professional Writing 3
ENGL 440 Client-Based Writing 3

Select two of the following courses: 1 6-7
ENGL 207 Persuasive Writing
ENGL 208 Personal & Exploratory Writing
ENGL 309 Rhetorical Style
ENGL 290 Introduction to Creative Writing
JAMM 121 Media Writing
JAMM 275  Introduction to Broadcasting and Digital Media Production

ENGL 208 and ENGL 290 cannot both count towards fulfillment of the requirements in the Professional Writing Emphasis.

Select three of the following courses: 1  9
- ENGL 309  Rhetorical Style
- ENGL 313  Business Writing
- ENGL 316  Environmental Writing
- ENGL 317  Technical Writing
- ENGL 318  Science Writing
- JAMM 328
- ENGL 402  Internship in Tutoring Writing
- ENGL 419  Writing for the Web
- ENGL 498  Internship (Max 6 credits)
- JAMM 325  Publications Editing
- JAMM 350  Public Relations Writing and Production
- JAMM 425  Feature Article Writing
- JAMM 426  Narrative Journalism

Total Hours 21-22

Courses to total 21 credits for this minor

1Only one JAMM course may be used towards this requirement.

HISTORY
1. Add the following courses:

HIST 310 The Civil War and Reconstruction
3 credits
This course examines the causes of the Civil War in the United States, the conflict itself, and its consequences from 1830 to 1877. Topics will include the histories of slavery, abolition and race; the meanings of freedom; the nature of “total war”; and the promises and failures of Reconstruction.

HIST 325 The Long 1960s
3 credits
Focusing on the era between 1955 and 1975, often called the “long 1960s,” this course examines the cultural, political, and social changes of these decades, particularly in the United States.

HIST 341 Ancient Greece
3 credits
Cross-listed with RELS 341
Surveys Greek history from c. 2500 BCE to the end of the 4th century BCE, paying special attention to military, political, and cultural developments.
HIST 342 Alexander the Great and the Hellenistic World
3 credits
Surveys the conquests of Alexander the Great and the political, cultural, and social history of the
Hellenistic World from c.359 BCE to c. 31 BCE.

HIST 343 The Roman Republic
3 credits
Surveys the Roman Republic from c. 509 BCE to 31 BCE, paying particular attention to military, political,
and social issues and developments.

HIST 344 The Roman Empire
3 credits
Cross-listed with RELS 344
Surveys Roman history from c. 31 BCE to the 5th century CE, paying particular attention to military,
political, religious, and social issues and developments.

HIST 454 Pictures and Power: Photography, Politics, and American History
3 credits
Explores how photography has shaped struggles over social justice in the United States since the
nineteenth century. Examines a range of moments – from the crisis over antebellum slavery to class
conflict in the late nineteenth century, from debates over poverty in the Great Depression to social
movements of the 1960s to current human rights issues. In various periods, it considers subjects
including the use of photography within social movements, the ethics of photojournalistic
representation, the powers and limitations of news images, the use of photographs for surveillance and
propaganda, the relation between photography and identity, and the role of spectatorship.

HIST 463 Fashion and Identity in American Culture
3 credits
This course examines the cultural, political, and social meanings embedded in personal style in American
culture during the 19th and 20th centuries.

2. Change the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>HIST 101</td>
<td>History of Civilization 1: World History I</td>
<td>3</td>
<td>Gen Ed: Social Science, International</td>
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<tr>
<td></td>
<td>Contributions to the modern world, to 1650.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 102</td>
<td>History of Civilization 2: World History II</td>
<td>3</td>
<td>Gen Ed: Social Science, International</td>
</tr>
<tr>
<td></td>
<td>Contributions to the modern world, 1650 to present.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 111</td>
<td>Introduction to U.S. History: United States History I</td>
<td>3</td>
<td>Gen Ed: Social Science, American Diversity</td>
</tr>
<tr>
<td></td>
<td>Political, diplomatic, economic, social, and cultural history; earliest times to the present, to 1877.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HIST 112 Introduction to U.S. History
3 credits
Gen Ed: Social Science, American Diversity
Political, diplomatic, economic, social, and cultural history; earliest times to the present, 1877 to present.

HIST 419454 (s) Topics Gender and Race in the American West
3 credits
Special Topics in the American West. This course examines the role of gender and race in the development of the diverse geographical borderlands of the US West over the 18th, 19th, and 20th centuries. In addition to looking at the social history of the region, students will also examine the West as a cultural construction that has been gendered and racialized through the development of popular culture.

3. Drop the following courses:

HIST 340 Modern India, 1757-1947
3 credits
Examines three crucial centuries of the world’s largest democracy, focusing upon British rule, Indian reactions to imperialism, emergence of nationalism, science and technological advances, and socio-religious movements. Emphasis on what the categories of “tradition” and “modernity” have meant in the subcontinent and how these are associated with understandings of “knowledge,” “community,” “culture,” “caste,” and “science and technology.”

HIST 412 Revolutionary North America and Early National Period
3 credits
Era of the American War of Independence; Confederation; Early Nationhood.

HIST 526 Red Earth White Lies: American Indian History 1840-Present
3 credits
Joint-listed with HIST 426.
Survey 1840 to present; dynamics and themes of Indian history with emphasis on Indian-White relations in the U.S. Additional work required for graduate credit.

HIST 531 Stolen Continents, The Indian Story: Indian History to 1840
3 credits
Joint-listed with HIST 431.
Survey 1400 to 1840; dynamics and themes of Indian history with emphasis on Indian-White relations in the U.S. Additional work required for graduate credit.
JOURNALISM, ADVERTISING AND MASS MEDIA

1. Change the following course:

   **JAMM 466 Media Campaign Strategy**  
   3 credits  
   Advanced strategies in creative approaches and media usage for Public Relations and Advertising; focuses on the development of a complete campaign for a client.  
   **Prereq:** JAMM 350 or JAMM 364 and senior standing.

2. Make the following curricular changes to the **Advertising Minor**:

   JAMM 100 Media and Society 3  
   JAMM 121 Media Writing 3  
   **JAMM 122 Multimedia Storytelling** 1  
   JAMM 252 Intro to Integrated Media Campaigns 3  
   JAMM 267 Introduction to Media Design 3  
   JAMM 265 Principles of Advertising 3  
   JAMM 361 Advertising Creativity 3  

   Select at least two of the following courses: 6  
   JAMM 341 Mass Media Ethics  
   JAMM 364 Advertising Media Planning  
   JAMM 367 Social Media Mgmt and Analytics  
   JAMM 444 Mass Media and Public Opinion  
   JAMM 448 Law of Mass Media  
   JAMM 468 Advanced Media Design

   **Total Hours** 18

   **Courses to total 18** credits for this minor

3. Make the following curricular changes to the **Broadcasting and Digital Media Minor**:

   JAMM 100 Media and Society 3  
   JAMM 121 Media Writing 3  
   **JAMM 122 Multimedia Storytelling** 1  
   JAMM 275 Intro to Broadcasting and Digital Media Production 4  

   Select **three additional** Broadcasting or Digital Media courses to meet specific career goals 8-9

   **Total Hours** 18-19

   **Courses to total 18** credits for this minor
4. Make the following curricular changes to the **Journalism Minor**:

- JAMM 100 Media and Society 3
- JAMM 121 Media Writing 3
- **JAMM 122 Multimedia Storytelling** 1
- JAMM 225 Reporting I 3
- JAMM 341 Mass Media Ethics 3
- JAMM 448 Law of Mass Media 3

Select One Journalism-Related course to meet specific career goals 3

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>1819</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses to total</td>
<td>1948 credits for this minor</td>
</tr>
</tbody>
</table>

5. Make the following curricular changes to the **Public Relations Minor**:

- JAMM 100 Media and Society 3
- JAMM 121 Media Writing 3
- **JAMM 122 Multimedia Storytelling** 1
- JAMM 252 Introduction to Integrated Media Campaigns 3
- JAMM 341 Mass Media Ethics 3

Select Two Public Relations-Related courses to meet specific career goals 6

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>1819</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses to total</td>
<td>1819 credits for this minor</td>
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</tbody>
</table>

**MODERN LANGUAGES AND CULTURES**

1. Reactivate the following course:

- **LAS 315 Comparative African-American Cultures**
  - 3 credits
  - *Gen Ed: American Diversity, International*
  - Cross-listed with **HIST 315**.
  - An overview of African American history in the U.S. from the late 19th century to the present; comparisons with the experience of African Americans in other parts of the Americas; study of important personalities and historical forces that have influenced African Americans and the societies in which they live.

2. Add the following cross-listed course:

- **LAS 413 Spanish American Short Fiction**
  - 3 credits
  - *Gen Ed: American Diversity, International*
Cross-listed with SPAN 413
The short story in 19th- and 20th-century Spanish America.
Prereq: SPAN 302

3. Changes the following courses:

   **SPAN 421 Bilingual and Bicultural Literature Identities**
   3 credits
   The course consists of literary works, theoretical readings, films and documentaries concerned with the complexity of Bilingual and Bicultural concepts. Some of the pressing topics covered in this course will respond to interrogatives such as: What is Bilingual/Bicultural? How does this state affect the development of an identity within the context ofAmericanness as it is reflected in the Latino/Hispanic Experience in the U.S.? The course will also focus on negotiation of Latin@ Identity (Mexican/Chicano, Dominican, Puerto Rican/Newyorican, and Cuban/American experiences); Concepts of Race; Immigration, Politics of Identity, Language, Gender and the importance of family to these issues. This course also refines research skills and helps the students reach a higher oral and written Spanish proficiency level.
   Prereq: SPAN 301 and SPAN 302; or Instructor Permission.

   **SPAN 423 Gender, Culture and Identity in Spanish Cinema**
   3 credits
   Examines how Spanish film explores questions of genderculture and identity.
   Prereq or Coreq: SPAN 305.

4. Make the following changes to vertically related courses in French, German, Japanese, and Spanish:

   Vertically-related courses in this subject field are: FREN 101 - FREN 102 - FREN 201 - FREN 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above:
   FREN 301 or FREN 302. Any 300-level FREN course may be considered the terminal course for the related vertical sequence above. A maximum of 16 credits may be earned for vertical credit in any language in the Department of Modern Languages & Cultures.

   Vertically-related courses in this subject field are: GERM 101 - GERM 102 - GERM 201 - GERM 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above:
   GERM 301 or GERM 302. Any 300-level GERM course may be considered the terminal course for the related vertical sequence above. A maximum of 16 credits may be earned for vertical credit in any language in the Department of Modern Languages & Cultures.

   Vertically-related courses in this subject field are: JAPN 101 - JAPN 102 - JAPN 201 - JAPN 202. Any 300-level JAPN course may be considered the terminal course for the related vertical sequence above. A maximum of 16 credits may be earned for vertical credit in any language in the Department of Modern Languages & Cultures.

   Vertically-related courses in this subject field are: SPAN 101 - SPAN 102 (or SPAN 104)- SPAN 201 - SPAN 202. Any one of the following courses may be considered the terminal course for the related vertical sequence above:
   SPAN 301 or SPAN 302. Any 300-level SPAN course may be considered the terminal course for the related vertica...
course for the related vertical sequence above. A maximum of 16 credits may be earned for vertical credit in any language in the Department of Modern Languages & Cultures.

PSYCHOLOGY AND COMMUNICATION STUDIES

1. Change the following courses:

   COMM 101 Fundamentals of Public Speaking
   2 credits
   Gen Ed: Communication
   Skills and techniques of effective speaking.

   PSYC 509 Human Factors in Engineering Design
   3 credits
   Application of psychological principles to engineering and design; psychological models and principles from areas of perception, cognition, and information processing; the design process; display and control design; work station layout and system integration; environmental factors; safety; mental workload; human-computer interaction; and current research topics. Recommended preparation: PSYC 325 or PSYC 535; PSYC 444; and PSYC 446. Cooperative: open to WSU degree-seeking students.

   PSYC 552 Ergonomics and Biomechanics
   3 credits
   Joint-listed with PSYC 452
   Principles of anthropometry, biomechanics, and work physiology applied to workplace. Additional projects/assignments reqd for grad cr. Cooperative: open to WSU degree-seeking students.
   Prereq: PSYC 101.

   PSYC 561 Human-Computer Interaction
   3 credits
   Joint-listed with PSYC 461
   Overview of human-computer interaction (HCI) topics, including user models, dialog, display design, usability, software development, groupware, and multimedia. Additional projects/assignments required for graduate credit. Recommended Preparation: PSYC 446. PSYC 561 is a cooperative course available to WSU degree-seeking students. Cooperative: open to WSU degree-seeking students.
   Prereq: PSYC 101.

2. Drop the following courses:

   PSYC 452 Ergonomics and Biomechanics
   3 credits
   Joint-listed with PSYC 552
   Principles of anthropometry, biomechanics, and work physiology applied to workplace. Additional projects/assignments reqd for grad cr.
   Prereq: PSYC 101.

   PSYC 461 Human-Computer Interaction
   3 credits
Joint-listed with PSYC 561
Overview of human-computer interaction (HCI) topics, including user models, dialog, display design, usability, software development, groupware, and multimedia. Additional projects/assignments required for graduate credit. Recommended Preparation: PSYC 446. PSYC 561 is a cooperative course available to WSU degree-seeking students.
Prereq: PSYC 101.

3. Make the following curricular changes to the Psychology Minor:

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

PSYC 101 Introduction to Psychology 3

Select at least one of the following: 3-4
| ORGS 444 | Methods and Analysis in Organizational Science |
| PEP 455  | Design and Analysis in Movement Sciences     |
| PSYC 218 | Introduction to Research in the Behavioral Sciences |
| SOC 309  | Social Science Research Methods             |
| SOC/ANTH 417 | Social Data Analysis                   |

Select at least two courses from each of the following groups: 12

Personal/Social Bases of Behavior:
PSYC 305 Developmental Psychology
PSYC 310 Psychology of Personality
PSYC 311 Abnormal Psychology
PSYC 320 Introduction to Social Psychology
PSYC 430 Tests and Measurements

Biological/Experimental Bases of Behavior:
PSYC 325 Cognitive Psychology
PSYC 372 Physiological Psychology
PSYC 390 Psychology of Learning
PSYC 425 Psychology of Action
PSYC 444 Sensation and Perception
PSYC 456 Psychology of Emotion

Select at least one additional upper-division Psychology course:¹ 3

Total Hours 21-22

Courses to total 21 credits for this minor

¹Not including PSYC 400, PSYC 403, PSYC 497, or PSYC 499.
POLITICS AND PHILOSOPHY

1. Add the following course:

   **PHIL 205 Topics in Social Philosophy**
   3 credits
   This course will introduce students to topics in social philosophy through historical and contemporary readings. Topics may include (but are not limited to), treatments of race, gender, disability status, human rights, and social and political institutions.

   **PHIL 209 Mind and Madness**
   3 credits
   Just exactly what is mental illness? Do all cases of mental illness have some physical underpinning, or is there such a thing as a disorder of thought? What might delusions tell us about the nature and structure of mind? What are the prospects for mind-body medicine? Can we be justified in forcing persons to submit to mental treatment, and under what circumstances? Is mental illness the same across cultures? This course examines these and other questions raised by the study and treatment of mental disorder, as well as the treatment of bodily disorder via mental intervention. The material engages central problems in philosophy of mind, epistemology, action theory, metaethics, and applied ethics. The course also examines the relationship between psychiatric research, clinical practice, and social policy.

   **POLS 566 Local Economic Development**
   3 credits
   Local economic development (LED) is an essential dimension of communities’ wellbeing. This course focuses on local economic development theories, analytical tools, and strategies and their application including analysis of local economy and formulation of local economic development plan. It prepares students interested in a career position in local economic development or in local government and nonprofit fields in general.
   **Prereq:** Graduate standing

2. Reactivate the following course:

   **POLS 575 Public Personnel Administration**
   3 credits
   The purpose of the personnel function in public administration is to propel the organization with the selection and retention of employees. This course examines topics such as 1) the history of public personnel administration; 2) human capital; 3) merit; 4) social justice; 5) motivation; 6) and the functions of public personnel administration.
   **Prereq:** Graduate standing

3. Change the following courses:

   **PHIL 103 Introduction to Ethics**
   3 credits
   *Gen Ed: Humanities*
   Introduction to philosophical reasoning through historical study of Western moral thought.
POLS 101 *Introduction to Political Science and American National Government*
3 credits

*Gen Ed: Social Science, American Diversity*

Introduction to the study of politics focusing on basic concepts, processes, and institutions; emphasis on government and politics of the U.S. examined in comparative perspective; probable topics include nature of constitutional democracy, ideology, parties and elections, and formation of public policy.

4. Make the following curricular changes to the **Bioethics Minor**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 114</td>
<td>Organisms and Environments</td>
<td>4</td>
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<tr>
<td>BIOL 115</td>
<td>Cells &amp; the Evolution of Life</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 115L</td>
<td>Cells and the Evolution of Life Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 103</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 351</td>
<td>Philosophy of Science</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 361</td>
<td>Professional Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 417</td>
<td>Philosophy of Biology</td>
<td>3</td>
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</table>

**Total Hours**                                                   **23**

Courses to total 23 credits for this minor

**Basic Science Component**
Choose two courses from the following: ******6-8**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AVS 109</td>
<td>The Science of Animals that Serve Humanity</td>
</tr>
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<td>AVS 110</td>
<td>Science of Animal Husbandry</td>
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<tr>
<td>BIOL 114</td>
<td>Organisms and Environments</td>
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<td>BIOL 115</td>
<td>Cells and the Evolution of Life</td>
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<td>BIOL 121</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>BIOL 310</td>
<td>Genetics</td>
</tr>
<tr>
<td>ENVS 101</td>
<td>Introduction to Environmental Science</td>
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<tr>
<td>FOR 235</td>
<td>Society and Natural Resources</td>
</tr>
<tr>
<td>MVSC 201</td>
<td>Physical Activity, Wellness, and Behavior</td>
</tr>
<tr>
<td>NRS 125</td>
<td>Introduction to Conservation and Natural Resources</td>
</tr>
<tr>
<td>NRS 235</td>
<td>Society and Natural Resources</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>PSYC 218</td>
<td>Introduction to Research in the Behavioral Sciences</td>
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**Basic Philosophy Component**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PHIL 103</td>
<td>Introduction to Ethics</td>
</tr>
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</table>

**Advanced Philosophy Component**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 351</td>
<td>Philosophy of Science</td>
<td>3</td>
</tr>
<tr>
<td>OR PHIL 417</td>
<td>Philosophy of Biology</td>
<td></td>
</tr>
</tbody>
</table>

**Choose one of the following:** ******3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 361</td>
<td>Professional Ethics</td>
</tr>
<tr>
<td>PHIL 450</td>
<td>Ethics in Science</td>
</tr>
</tbody>
</table>
PHIL 452  Environmental Philosophy

**Advanced Science Component**  
3-4
Any 400-level AVS, BIOL, ENT, ENVS, FISH, FOR, H&S, NRS, PLSC, PSYC, REM, or WLF course(s) totaling 3 or more credits.
OR
BOTH Phil 351 and PHIL 417. This option enables philosophy majors to earn the bioethics minor without taking a 400-level science course (which would require prerequisites).

**Courses to total 18 – 21 for this minor**

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

PHIL 320  History of Ancient and Medieval Philosophy 3
PHIL 321  History of Modern Philosophy 3

**Select one of the following:**  
3
PHIL 103  Introduction to Ethics
Or PHIL 208  Business Ethics
PHIL 201  Critical Thinking
PHIL 202  Introduction to Symbolic Logic
PHIL 240  Belief and Reality

**Select three Upper-Division Philosophy courses**  
9

**Total Hours**  
18

**Courses to total 18 credits for this minor**

**RELIGIOUS STUDIES**

1. Add the following cross-listed courses:

**RELS 341 Ancient Greece**  
3 credits
Cross-listed with HIST 341
Surveys Greek history from c. 2500 BCE to the end of the 4th century BCE, paying special attention to military, political, and cultural developments.

**RELS 344 The Roman Empire**  
3 credits
Cross-listed with HIST 344
Surveys Roman history from c. 31 BCE to the 5th century CE, paying particular attention to military, political, religious, and social issues and developments.
2. Make the following curricular changes to the Religious Studies Minor:

**Religious Traditions**
Select 9 credits from the following Religious Traditions areas with at least 3 cr in Asian, Pacific, and Indigenous Religious Traditions and at least 3 cr in Western Religious Traditions:

**Asian, Pacific, and Indigenous Religious Traditions:**
- ANTH 329  North American Indians
- ANTH 422  Plateau Indians
- HIST 180  Introduction to East Asian History
- HIST 485  Chinese Social and Cultural History
- PHIL 307  Buddhism
- RELS 204  Special Topics (Related to this category)
  or RELS 404  Special Topics

**Western Religious Traditions:**
- HIST 341  Ancient Greece
- HIST 344  The Roman Empire
- HIST 442  The Medieval Church: Europe in the Early and High Middle Ages
- HIST 443  The Medieval State: Europe in the High and Late Middle Ages
- HIST 447  The Renaissance
- HIST 448  The Reformation
- HIST 449  Tudor-Stuart Britain 1485-1660
- PHIL 302  Biblical Judaism: Texts and Thought
- PHIL 303  Early Christianity: Texts and Thought
- RELS 204  Special Topics (Related to this category)
  or RELS 404  Special Topics

**Approaches to Religious Studies and Religion and Culture**
Select 9 credits with at least 3 credits in Religion and Culture:

**Approaches to Religious Studies:**
- ANTH 327  Belief Systems
- ENGL 375  The Bible as Literature
- RELS 204  Special Topics (Related to this category)
  or RELS 404  Special Topics
- RELS 413  Psychology of Religion
- SOC 311  Development of Social Theory

**Religion and Culture:**
- ART 100  World Art and Culture
- FLEN 210  Introduction to Classic Mythology
- HIST 101  History of Civilization 1
  & HIST 102  History of Civilization 2
- HIST 270  Intro to Greek and Roman Civilization
- HIST 457  History of the Middle East
- PHIL 240  Belief and Reality
PHIL 320  History of Ancient and Medieval Philosophy
PHIL 321  History of Modern Philosophy
RELS 133  Religion and Family
RELS 204  Special Topics (Related to this category)
or RELS 404  Special Topics

Total Hours          18

Courses to total 18 credits for this minor
Foreign languages appropriate to the minor are strongly recommended. For example, Chinese, Japanese, or Nez Perce are recommended for concentration in Asian, Pacific, and Indigenous traditions; Arabic, or Latin for those focusing on Western traditions.

THEATRE ARTS

1. Change the following courses:

THE 513 (s) MFA Design Studio
23 credits, max 18
Advanced individual study in all areas of theatrical design with emphasis on portfolio development. One lec and 2 hrs of lab a wk.

THE 514 (s) MFA Production Studio
23 credits, max 18
Advanced individual study in all areas of technical theatre production and management with emphasis on portfolio development. One lec and 2 hrs of lab a wk.

OFFICE OF THE REGISTRAR

1. Move the following courses to Dormant status:

ACCT  595  Practicum in Tutoring
AGEC  486  Regional Econ Dvlpmnt Thry
AGEC  597  Applied Econ Teaching Practm
ANTH  425  Society and Popular Culture
ARBC  101  Elem Modern Standard Arabic I
ARBC  102  Elem Modern Standard Arabic II
ARCH  572  Integrated Design Seminar
BIOL  441  Cellular/Molecule Basis/Disease
BIOL  491  Practicum in Teaching
BIOL  541  Cellular/Molecule Basis/Disease
BUS   100  The World of Business
BUS   101  Intro Bus Enterprises
<table>
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<tr>
<th>Code</th>
<th>Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>CORS</td>
<td>228</td>
<td>Integ Sci: Nat Hazards/Disasters</td>
</tr>
<tr>
<td>CTE</td>
<td>267</td>
<td>Computer Aided Drafting/Design</td>
</tr>
<tr>
<td>CTE</td>
<td>352</td>
<td>Manufact: Metal Matrls &amp; Proc</td>
</tr>
<tr>
<td>CTE</td>
<td>449</td>
<td>Appropriate Tech/Alt Energy</td>
</tr>
<tr>
<td>CTE</td>
<td>439</td>
<td>Robot Tech K-12 Environment</td>
</tr>
<tr>
<td>CTE</td>
<td>539</td>
<td>Robot Tech K-12 Environment</td>
</tr>
<tr>
<td>DAN</td>
<td>522</td>
<td>Labanalysis</td>
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<tr>
<td>ECE</td>
<td>412</td>
<td>Analog Filter Design</td>
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<tr>
<td>ECE</td>
<td>416</td>
<td>Appls/Linear Integr Circuits</td>
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<tr>
<td>ECE</td>
<td>449</td>
<td>Fault-Tolerant Systems</td>
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<tr>
<td>ECE</td>
<td>451</td>
<td>Electroacoustic Sensors/System</td>
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<tr>
<td>ECE</td>
<td>455</td>
<td>Information and Coding Theory</td>
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<tr>
<td>ECE</td>
<td>470</td>
<td>Control Systems</td>
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<td>ECE</td>
<td>512</td>
<td>Analog Filter Design</td>
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<tr>
<td>ECE</td>
<td>521</td>
<td>Power System Stability</td>
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<td>ECE</td>
<td>538</td>
<td>EM Simulation</td>
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<td>ECE</td>
<td>539</td>
<td>Adv Topics/Electromagnetics</td>
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<td>ECE</td>
<td>545</td>
<td>Advanced VLSI Design</td>
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<td>ECE</td>
<td>551</td>
<td>Electroacoustic Sensors/System</td>
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<tr>
<td>ECE</td>
<td>556</td>
<td>Adaptive Signal Processing</td>
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<tr>
<td>ECE</td>
<td>557</td>
<td>Biological Signal Processing</td>
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<tr>
<td>ECE</td>
<td>571</td>
<td>Estmtn Thry/Sig Proc/Comm/Cntrl</td>
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<tr>
<td>ECE</td>
<td>578</td>
<td>Neural Network Design</td>
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<tr>
<td>ECE</td>
<td>411</td>
<td>Microelectronics II Lab</td>
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<td>ED</td>
<td>101</td>
<td>Orientatn/Teaching Profession</td>
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<tr>
<td>EDCI</td>
<td>514</td>
<td>Creat/Crit Thkg Skls/Gftd-Tlnt</td>
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<td>517</td>
<td>Curric/Instrctn Gftd/Tlnt Ed</td>
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<tr>
<td>EDCI</td>
<td>558</td>
<td>Wrtg Inst:NW Wrtg Proj</td>
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<tr>
<td>EDCI</td>
<td>439</td>
<td>Robot Tech K-12 Environment</td>
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<tr>
<td>EDCI</td>
<td>539</td>
<td>Robot Tech K-12 Environment</td>
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<tr>
<td>ENGL</td>
<td>427</td>
<td>Modern Fiction, 1900-1945</td>
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<td>ENGL</td>
<td>535</td>
<td>Foundations of Screenwriting</td>
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<tr>
<td>ENT</td>
<td>546</td>
<td>Host Plt Resist/Insects-Pathog</td>
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<td>ENT</td>
<td>584</td>
<td>Insect Anat &amp; Phys</td>
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<tr>
<td>FCS</td>
<td>534</td>
<td>Adulthood-Aging/Context Family</td>
</tr>
<tr>
<td>FCS</td>
<td>562</td>
<td>Eating Disorders</td>
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<tr>
<td>FISH</td>
<td>485</td>
<td>Ecol &amp; Cons Biol Sr Project</td>
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<tr>
<td>FLEN</td>
<td>308</td>
<td>European Immigrtn/Integrtn</td>
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<tr>
<td>FOR</td>
<td>570</td>
<td>Adv Remote Sensing Msrmnt Mtds</td>
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INTERNATIONAL PROGRAMS OFFICE

New Site: Khon Kaen, Thailand

• Why new sites?
  o USAC was looking for a new site in Thailand to produce an alternative to the very popular Chiang Mai program and provide a different academic focus. Off the tourist radar, the site offers an authentic experience in the northeastern region of the country an area known as a center for education, healthcare and technology.

• Academic focus
  o Thai Language & Culture (SOC, ANTH, DAN, FS, PHIL, HIST, GEOG, POLS)
  o Healthcare, Health Issues and Wellness (FCS, H&S, PEP, WGSS)
  o Thai Medicine and Holistic Care, Physical Therapy (FCS, H&S, PEP)

• Why Khon Kaen?
  o The northeastern region of Thailand is rich in natural beauty with civilizations and customs dating back to pre-historic times. It retains many of its traditional Lao and Khmer customs and features a strong trade in the high-quality Mud Mee silk. Nearby mountainous areas are the home to the traditional Isan community and neighboring countries Laos, Cambodia, and Vietnam are in reach with good public transportation.
  o Khon Kaen is the commercial and political center of northeastern Thailand featuring expansive shopping malls, top-rate private medical facilities, and upscale restaurants and hotels. But it also has close-knit traditional communities and historic Buddhist temples dotted along the banks of the city’s picturesque lakes.
  o Khon Kaen University (KKU) is the first institution of higher education in northeastern Thailand. KKU is not only the top-ranking university in Thailand but also the leading educational center in the Mekong sub region. The main campus, where the USAC office and classrooms are housed, is located approximately 1.5 miles from the city center on a large, safe and lush green site. Acclaimed as a research university, KKU has world-class research projects in healthcare and tropical medicine, and plays a vital role in the physical, intellectual and mental health of communities.
  o The program offers internships and volunteer opportunities in the health field such as health and wellness research, internships in the university hospital, medical sciences facilities and research units.

Further details on the program are available at: https://usac.edu/study-abroad-programs/thailand/khon-kaen