College of Arts and Sciences

Dean: Daryl E. Jones, Ph. D.
Associate Dean: Phillip M. Eastman, Ph. D.

College of Arts & Sciences Emeriti:
Allison, Best, Bratt, Chatterton, deNeufville, Emerson,
Fritchman, Hahn, Hibbs, Jones, Kelley, Marshall, Meyer,
Mitchell, Obee, Peek, Power, Smartt, Wallace, Warner, Winans

Philosophy

The University's largest and most comprehensive academic unit, the College of Arts and Sciences enjoys a broad mission in teaching, research, and creative activity and service.

In teaching, the College of Arts and Sciences offers a core curriculum which prepares undergraduate students for future lives and careers by developing their communication, numerical, and analytical skills, enhancing their creative abilities, fostering in them a greater awareness of human values and needs, and encouraging in them a lifelong appreciation of learning for its own sake.

Additionally, the College offers strong undergraduate and graduate programs for students specializing in the Arts, Humanities, and Sciences, and offers a full array of elective and service courses for students majoring in other schools and colleges.

In research, the College generates and disseminates knowledge through basic and applied research, scholarship, and creative activity, enhancing the scientific, technological, humanistic, and cultural environment of the state, the region, and the larger society.

In service, the College meets the educational, economic, and cultural needs of the state through research, publications, credit and non-credit workshops and special programs, and by a rich diversity of cultural and entertainment events.

Objectives

1. To offer programs of study leading to a baccalaureate degree in the:
   - Arts — Advertising Design, Art, Music, and Theatre Arts;
   - Humanities — English and Philosophy; and

   Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), and the Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition).

2. To offer programs of study leading to the Masters degree in:
   a. Raptor Biology (Master of Science);
   b. English (Master of Arts);
   c. Geology (Master of Science), in cooperation with Idaho State University;
   d. Geophysics (Master of Science), in cooperation with the University of Idaho and Idaho State University;
   e. Performance/Pedagogy (Master of Music);
   f. Secondary Education (Master of Arts or Science), with majors in various departments. See Graduate College, College of Education listed elsewhere in this catalog.

3. To offer undergraduate preparation in pre-Forestry and Wildlife Management, and pre-Architecture.

4. To offer elective and service courses for students majoring in other colleges or schools.
Activities

Departments within the College of Arts and Sciences sponsor a variety of activities that are additions to the traditional curriculum. The English Department is the home of several publishing ventures including the cold-drill, BSU’s national award-winning student literary magazine; Ahsahta Press, which publishes poetry by western poets; the Western Writers Series, booklets about the lives and works of western authors; and Poetry in Public Places, posters distributed to several schools and other locations throughout the Northwest.

The Biology Department is affiliated with the World Center for Birds of Prey, a research and breeding center for raptors located near Boise. Boise State University is the host institution for the Raptor Research and Technical Assistance Center.

The Theatre Arts Department is affiliated with the Idaho Shakespeare Festival.

Students can participate in many activities sponsored by the departments in the College, including art exhibits (Art), production of plays both during the academic year and in the summer (Theatre Arts), student recitals and ensemble concerts (Music), and a variety of scientific field trips.

Minors

ART MINOR
Survey Western Art AR 101, 102 ........................................ 6
Basic Design AR 105 .................................................. 3
Drawing AR 111 ......................................................... 2
Painting AR 113 ......................................................... 2
Sculpture, Metals, or Ceramics ........................................ 2
Additional credits may be selected from any 100 to 400 level regular Art course offerings, 3 credits of which must be upper division .................................................. 7
TOTAL 22

BIOLOGY MINOR
General Botany BT 130 .................................................. 4
One of the following: .................................................. 4
Concepts Anatomy & Physiology Z 107
Human Anatomy & Physiology Z 111, 112
General Zoology Z 130
Biology electives at the 200 level or higher with at least one upper division course ........................................ 10-14

CHEMISTRY MINOR
College Chemistry C 131*, 132, 133, 134 .................................. 9
Organic Chemistry C 317, 318, 319 .................................. 8
One of the following pairs of courses: .................................. 4-5
Quantitative Analysis C 211, 212
Physical Chemistry C 321*, 323
Intro to Biochemistry C 431, 432
*Math and/or Physics prerequisite
TOTAL 21-22

ENGLISH MINOR
One writing course numbered 200 or higher .......................... 3
Linguistics ............................................................... 3
Survey of British Literature E 240, 260 .................................. 3
Survey of American Literature E 271, 272 .......................... 3
English & Linguistics electives (6 upper division) .................. 9
TOTAL 21

MATHMATICS MINOR
Calculus & Analytical Geom M 204, 205, 206 ......................... 13
or
Accelerated Calculus M 211, 212 .................................. 10
At least 9 credits in upper division mathematics (M prefix except for M 493 and 496) to include at least one of the following: ........................................ 9
Intro Abstract Algebra M 302
Number Theory M 306
Foundations of Geometry M 311
Foundations of Analysis M 314
Advanced Algebra M 401
Abstract Algebra M 441
TOTAL 19-22

MUSCI MINOR
Concert Class MA 010 (two semesters) .......................... 0
Materials of Music I-II MU 119, 120 .................................. 6
Ear Training I-II MU 121, 122 .................................. 2
Intro to Music MU 133 (Area I) .................................. 3
Ensemble ME 1- .................................. 2
Choice of 2 semesters of Piano Class (MA 150), Voice Class (MA 180), or Begin Guitar and/or Intern Guitar Class (MA 127, 128), or
Private Lessons (MC courses*) in any Instrument or Voice 2-4
Music Elective—Upper Division .................................. 5
TOTAL 20-22

PHILOSOPHY MINOR
Intro to Philosophy PY 101 ............................................ 3
Intro to Logic PY 121 .................................................. 3
Ethics PY 211 .......................................................... 3
Electives from Philosophy courses except PY 489 ................. 9
TOTAL 18

PHYSICS MINOR
Mechanics, Waves & Heat PH 211* .......................... 4
Mechanics, Waves & Heat Lab PH 212 ................................ 1
Electricity, Magnetism & Optics PH 213 ........................ 4
Electricity, Magnetism & Optics Lab PH 214 ........................ 6
Modern Physics PH 311*, 312 .......................... 6
One of the following: .................................................. 3-4
Analog Electronics Lab PH 301
Laboratory Microprocessor Applications PH 307
Optics PH 331*
Mechanics PH 341*
Electricity & Magnetism PH 381*
Advanced Topics PH 422*
*Math and/or Engineering prerequisite
TOTAL 19-20

THEATRE ARTS MINOR
Technical Theatre TA 117 ............................................ 4
Acting I TA 215 .................................................. 3
Technical Theatre TA 118 ............................................ 4
Acting II TA 216 .................................................. 3
Major Production Participation TA 231, 331 ......................... 3-4
World Drama TA 341 or 342 .................................. 3
Directing TA 401 .................................................. 3
TOTAL 20

Department of Art

Liberal Arts Building, Room 252 Telephone (208) 385-1230
Chairperson and Professor: Mary Witte; Professors: Blankenship, Heap, Huff, Killmaster, Kober, Roberts, Russell, Skov, Takehara, Taye; Associate Professors: Benson, Douglass, Hoopes, Miller, Oravez, Shurtleff, Smith, Taylor; Assistant Professor: Bauer-Simon; Visiting Professors: Eastman, Galindo, Machacek.

Degrees Offered

• BA and BFA in Art Advertising Design
• BA and BFA in Art Education
• BA and BFA in General Art
• Pre-Architecture

Degree Requirements

ART MAJOR
Bachelor of Arts Program

General University & Basic Core Requirement Credits ........ 51
Art Major Requirements
Painting and/or Watercolor AR 113, 114, 217, 218 ............... 6
Drawing AR 111, 112 .................................................. 6
Art History .............................................................. 6
Design AR 105, 106 .................................................. 6
Ceramics AR 225 ...................................................... 2
Sculpture AR 231 ...................................................... 2
A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: Painting, Watercolor, Drawing, Ceramics, Sculpture, Printmaking, Art Metals, Photography, Art History.

**Art Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Painting</td>
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<tr>
<td>Crafts AR 123</td>
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<td>Lettering AR 107</td>
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<tr>
<td>Senior Show AR 410</td>
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</tr>
<tr>
<td>Senior Seminar AR 498</td>
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</tbody>
</table>

**Elective Credits**

8-15

**TOTAL**

128

**NOTE:** A minimum of 40 credit hours of a total 128 must be Upper Division.

**Major Emphasis**

A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: Painting, Watercolor, Drawing, Ceramics, Sculpture, Printmaking, Art Metals, Photography, Art History.

**Art Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Painting</td>
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<td>Drawing</td>
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<td>Art History</td>
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<td>Ceramics</td>
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<tr>
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<tr>
<td>*Senior Show AR 410</td>
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<tr>
<td>Senior Seminar AR 498</td>
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<td>Elective Credits</td>
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</table>

**TOTAL**

128

**NOTE:** A minimum of 40 credit hours of a total 128 must be Upper Division.

**Art Education—Bachelor of Arts Program**

| General University & Basic Core Requirement Credits | 51       |
| Paintings                                           | 6       |
| Watercolor                                          | 4       |
| Drawing                                             | 6       |
| Basic Design AR 105, 106                            | 6       |
| Art History                                         | 6       |
| Ceramics                                            | 2       |
| Sculpture                                           | 2       |
| Printmaking                                         | 2       |
| Crafts AR 123                                       | 2       |
| Lettering AR 107                                    | 2       |
| Senior Show AR 410                                  | 1       |
| Senior Seminar AR 498                               | 3       |

**Elective Credits**

0-3

**TOTAL**

128

**NOTE:** A minimum of 40 credit hours of a total 128 must be Upper Division.

**Major Emphasis**

A total of 20 credit hours in any Art Field constitute the major requirements and a total of 14 credit hours in a second Art area will constitute the minor emphasis.

**Art Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Painting</td>
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<tr>
<td>Drawing</td>
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<td>Art History</td>
<td>6</td>
</tr>
<tr>
<td>Ceramics</td>
<td>2</td>
</tr>
<tr>
<td>Crafts AR 123</td>
<td>2</td>
</tr>
<tr>
<td>Lettering AR 107</td>
<td>2</td>
</tr>
<tr>
<td>Senior Show AR 410</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
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</tr>
<tr>
<td>Elective Credits</td>
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</table>

**TOTAL**

128

**NOTE:** Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

**Art-Advertising Design—Bachelor of Arts Program**

| General University & Basic Core Requirement Credits | 51       |
| Advertising Design AR 203, 204, 303                  | 10      |
| Ceramics                                            | 2       |
| Basic Design AR 105, 106                            | 6       |
| Lettering-Lettering & Layout AR 107, 108            | 4       |
| Art History                                         | 6       |
| Intro to Printmaking AR 209                         | 2       |
| Intro to Creative Photography AR 251                | 3       |
| Senior Show AR 410                                  | 3       |
| Senior Seminar AR 498                               | 3       |

**Elective Credits**

23

**TOTAL**

128

**NOTE:** Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

**Art-Advertising Design—Bachelor of Fine Arts Degree**

| General University & Core Requirement Credits | 32       |
| Painting                                       | 8       |
| Drawing                                        | 8       |
| Art History                                    | 12      |
| Watercolor                                     | 4       |
| Basic Design AR 105, 106                       | 6       |
| Intro to Printmaking AR 209                    | 2       |
| Sculpture                                      | 2       |
| Ceramics                                       | 2       |
| Art Metals                                     | 2       |
| *Senior Show AR 410                           | 1       |
| Senior Seminar AR 498                          | 3       |
| Elective Credits                               | 16      |

**TOTAL**

128

**NOTE:** A minimum of 40 credit hours of a total 128 must be Upper Division.
Sculpture, Ceramics, Art Metals ........................................... 4
Lettering-Lettering & Layout AR 107, 108 ................................. 4
Art History ................................................................. 12
Intro Creative Photography AR 251 ...................................... 2
Intro Printmaking AR 209 .................................................... 2
Advertising Illustration AR 361 ............................................. 6
Senior Show AR 410 ............................................................ 1
Senior Seminar AR 498 ....................................................... 3
Professional Electives ......................................................... 26
TOTAL: 70
NOTE: A minimum of 40 credit hours of a total 128 must be Upper Division.

ART MINOR
Survey of Western Art AR 101, 102 ................................. 6
Basic Design AR 105 .......................................................... 3
Drawing AR 111 .............................................................. 2
Painting AR 113 ............................................................. 2
Sculpture, Metals or Ceramics .............................................. 2
Upper Division Art Elective .................................................. 3
Art Electives ................................................................. 4
TOTAL: 22

Recommended Programs

ART MAJOR
BA General-Painting, Drawing or Art History

FRESHMAN YEAR
Survey Western Art AR 101, 102 ........................................ 3 3
Drawing AR 111, 112 ...................................................... 2 2
Painting AR 113, 114 ...................................................... 2 2
Basic Design AR 105, 106 .................................................. 3 3
English Composition E 101, 102 ......................................... 3 3
Area II—Area III ............................................................ 4 4
TOTAL: 16 17

SOPHOMORE YEAR
Anatomy AR 211 ............................................................ 2 -
Ceramics AR 225 ............................................................ 2 -
**Painting AR 215 ............................................................ 2 2
Sculpture AR 231 ............................................................ 2 -
Art Metals AR 221 ........................................................... 2 -
Area I ................................................................. 3 3
Area III—Area I ............................................................ 3 3
 Electives ................................................................... 4 4
TOTAL: 15 15

**14 credits constitutes a major. If your major is sculpture, ceramics, art metals, photography, or watercolor, substitute those classes for the asterisked classes.
TOTAL: 128 credits, including 40 Upper Division Credits.

ART MAJOR
BA Printmaking Major or Sculpture, Ceramics, Art Metals, Photography, Watercolor

FRESHMAN YEAR
Survey Western Art AR 101, 102 ........................................ 3 3
Drawing AR 111, 112 ...................................................... 2 2
Painting AR 113, 114 ...................................................... 2 2

TOTAL: 128 credits, including 40 Upper Division Credits.

Department of Art

Basic Design AR 105, 106 .................................................. 3 3
English Composition E 101, 102 ......................................... 3 3
Area II—Area III ............................................................ 4 4

SOPHOMORE YEAR
Painting AR 215 ............................................................ 2 -
Intro to Printmaking AR 209, 210 ...................................... 2 2
Anatomy AR 211 ............................................................ 2 -
Ceramics AR 225 ............................................................ 2 -
Sculpture AR 231 ............................................................ 2 -
**Art Metals AR 221 .......................................................... 2 -
Area I ................................................................. 3 3
Area III—Area I ............................................................ 3 3
 Electives ................................................................... 4 4
TOTAL: 16 17

JUNIOR YEAR
Art History AR 301 ............................................................ 3 -
**Studio in Printmaking AR 309 ......................................... 3 3
Area I—Area II ............................................................ 3 3
Upper Division Electives ..................................................... 4 8
Area III—Area I ............................................................ 4 3
TOTAL: 17 17

SENIOR YEAR
Senior Seminar AR 498 ..................................................... 3 -
Senior Show AR 410 .......................................................... 1 -
**Studio Drawing AR 411 ................................................... 3 3
Upper Division Electives ..................................................... 8 12
TOTAL: 15 15

**20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.

TOTAL: 128 credits, including 40 Upper Division Credits.
### ART MAJOR

**BFA Sculpture Major**

or Printmaking, Art Metals, Photography, Ceramics, Watercolor

<table>
<thead>
<tr>
<th>Year</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>FRESHMAN</td>
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<tr>
<td>Survey of Western Art AR 101, 102</td>
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<tr>
<td>Drawing AR 111, 112</td>
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<td>Basic Design AR 105, 106</td>
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<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>Area II - Area III</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>17</strong></td>
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</tbody>
</table>

| SOPHOMORE |  |  |
|-----------|  |  |
| Anatomy - Life Drawing AR 211, 212 | 2   | 2   |
| Painting AR 215 | 2   | 2   |
| Watercolor AR 217, 218 | 2   | 2   |
| Sculpture AR 231, 232 | 2   | 2   |
| Area I Literature - Area II | 3   | 3   |
| Art Metals AR 221 | 2   | 2   |
| Ceramics AR 225 | -   | 2   |
| Area III - Area I | 4   | 3   |
| **TOTAL** | **17** | **16** |

| JUNIOR |  |  |
|--------|  |  |
| **Studio Sculpture AR 331** | 3 | 3 |
| **Intro to Printmaking AR 209** | 2 | - |
| Art History AR 301, 302 | 3 | - |
| Area I Literature - Area II | 3 | 3 |
| Electives | 6 | 6 |
| **TOTAL** | **17** | **15** |

| SENIOR |  |  |
|--------|  |  |
| **Studio Sculpture AR 431** | 3 | 3 |
| Senior Show AR 410 | 1 | - |
| Senior Seminar AR 498 | - | 3 |
| Upper Division Electives | 11 | 9 |
| Electives | 15 | 15 |

- **20 credits constitutes a major. If your major is printmaking, art metals, photography, ceramics, or watercolor, substitute those classes for the asterisked classes.**

**TOTAL: 128 credits, including 40 Upper Division Credits.**

### ART EDUCATION MAJOR

**BACHELOR OF ARTS**

<table>
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<th>Year</th>
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<td>English Composition E 101, 102</td>
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<td>Painting AR 111, 112</td>
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<td>Crafts AR 123</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

| SOPHOMORE |  |  |
|-----------|  |  |
| Intro Second Teach: Clsrm Obs TE 172 | 1 | - |
| Found of Education TE 201 Area II-2nd Field | 3 | - |
| Drawing AR 211, 212 | 2 | 2 |
| Watercolor AR 217, 218 | 2 | 2 |
| Ceramics AR 225 | - | 2 |
| Intro to Printmaking AR 209 | 2 | - |
| Area I Literature | 3 | - |
| Area II History | 3 | 4 |
| Area III | 4 | 4 |
| **TOTAL** | **15** | **15** |

| JUNIOR |  |  |
|--------|  |  |
| Painting AR 215 | 2 | - |
| Area I Literature | - | 3 |
| Area I | 3 | - |
| Area II-Any Field | 3 | 3 |
| Elementary School Art Methods AR 321 | 3 | - |
| Secondary School Art Methods AR 351 | - | 3 |
| Elective | 2 | 3 |
| **TOTAL** | **16** | **16** |

| SENIOR |  |  |
|--------|  |  |
| Painting AR 219 | 2 | - |
| Art History AR 301 | 3 | - |
| Sculpture AR 231 | 3 | - |
| Senior Show AR 410 | 1 | - |
| Senior Seminar AR 498 | 3 | - |
| Educational Technology TE 356 | - | 2 |
| Secondary School Methods TE 381 | - | 3 |
| Reading in Content Subject TE 407 | 3 | - |
| Elective | 2 | 3 |
| **TOTAL** | **18-24** | **16-16** |

**TOTAL: 128 credits, including 40 Upper Division Credits.**

### ADVERTISING DESIGN

**BACHELOR OF ARTS**

<table>
<thead>
<tr>
<th>Year</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>FRESHMAN</td>
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<td>Survey Western Art AR 101, 102</td>
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<tr>
<td>English Composition E 101, 102</td>
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<td>Area II</td>
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</tbody>
</table>
SOHOMORE YEAR
Painting AR 113, 114 ................................... 2 2
Advertising Design AR 203, 204 ....................... 2 2
Anatomy AR 211 ....................................... 2
Intro Creative Photo AR 251 ................................. 2
Intro to Printmaking AR 209 ............................... 2
Area II ................................................................ 3 3
Area III ......................................................... 4
Elective ...................................................... 2
JUNIOR YEAR
Watercolor AR 217, 218 .................................. 2 2
Studio in Advertising Design AR 303 .................. 3 3
Studio in Advertising Illustration AR 361 ............ 3 3
Area I ................................................................ 3
Area III ......................................................... 4
Upper Division Electives ..................................... 4 6
SENIOR YEAR
Senior Show AR 410 ...................................... 1
Senior Seminar AR 498 ..................................... 3
Area I ................................................................ 3
Area III ......................................................... 4
Upper Division Electives ..................................... 8 13
TOTAL: 128 credits, including 40 Upper Division Credits.

ADVERTISING DESIGN
BACHELOR OF FINE ARTS

FRESHMAN YEAR
Survey Western Art AR 101, 102 ............................ 3 3
Basic Design AR 105, 106 ................................ 3 3
Lettering AR 107 .......................................... 3
Lettering & Layout AR 108 .................................. 2
Drawing AR 111, 112 ....................................... 2 2
English Composition E 101, 102 ......................... 3 3
Area II ......................................................... 3
Upper Division Electives ................................. 4 6
Junior Show AR 410 ...................................... 1
Senior Seminar AR 498 ..................................... 3
Area I ................................................................ 3
Area III ......................................................... 4
Upper Division Electives ..................................... 8 13
TOTAL: 128 credits, including 40 Upper Division Credits.

PRE-ARCHITECTURAL PROGRAM
Boise State University offers courses that can be used for a 2 to 2½ year Pre-Architectural program. This program is preparatory and should be transferable to most architectural schools. Some universities offer a degree in Architectural Engineering. If interested in this type of degree

the student should follow the Civil Option under the Engineering curriculum.

FRESHMAN YEAR
English Composition E 101, 102 ........................... 3 3
Alg/Trig - Call/Anal Geom M 111-204 ................ 5 5
Basic Design AR 105, 106 ................................ 3 3
Drawing AR 111, 112 ....................................... 2 2
Intro Art/Surv West Art AR 103/AR 101, AR 102 ... 3
Architecture Graphic Communication AR 156 .... 3

SOHOMORE YEAR
General Physics PH 101, 102 ............................... 4 4
Advanced Architecture Graphics AR 255 ............ -
Basic Architecture Design AR 256 ...................... -
History of American Architecture AR 270 .......... 3
History Modern American Architecture AR 271 ...... 3
Materials & Methods of Architecture AR 290 .... 3
Interior Design AR 131 (Optional) ..................... 2
Computer Graphics for Artists AR 333 .............. -
Digital Computer Programming EN 104 .............. 3
Engineering Measurement EN 216 ..................... 3
Art Elective .................................................. 2

Course Offerings
See page 20 for definition of course numbering system

AR ART
The Art Department reserves the right to withhold selected student work for the Permanent Collections. Certain Art courses are subject to a lab fee. Several courses may be “repeated” for credit. This should be interpreted, “taken again” for credit, not to raise a D or F grade.

Lower Division
AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2/S/F). One semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the basic fundamentals of drawing and painting.

AR 101 SURVEY OF WESTERN ART (3-0-3)(AREA I). A historical survey of painting, sculpture, and architecture from Prehistoric Art through the Middle Ages.

AR 102 SURVEY OF WESTERN ART II (3-0-3)(AREA I). A historical survey of painting, sculpture, and architecture from the Renaissance to the present.

AR 103 INTRODUCTION TO ART (3-0-3)(AREA I). A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms.

AR 105 BASIC DESIGN (2-2-3)(AREA I). A two dimensional theoretical and applied study of the basic design elements underlying all art areas.

AR 106 BASIC DESIGN (2-2-3)(AREA I). An exploration of three dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying three dimensional art forms. PREREQ: AR 105 or PERM/INST.

AR 107 LETTERING (0-4-2)(F/S). A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout.

AR 108 LETTERING AND LAYOUT (0-4-2)(F/S). A study of layout typography and lettering techniques used in advertising design, for advertising design majors. Advisable to take AR 107 prior to AR 108.

AR 111 DRAWING (0-4-2)(F/S). A study of line, chiaroscuro, space, volume, and perspective, utilizing a variety of media; still life, landscape, plant, animals and other subject matter may be used. Limited enrollment spring semester.

AR 112 DRAWING (0-4-2)(F/S). Continuation of AR 111 with an emphasis on more advanced drawing problems. Compositional imaginative, or semi-abstract work may be done, utilizing a variety of subject matter including some figure drawing. PREREQ: AR 111.

AR 113 PAINTING (0-4-2). Study of basic techniques of painting in oil, acrylic or other media as determined by instructor. Students will learn to represent form and space through study of value relationships and through use of monochromatic color. Still life and other subject matter will be used. Advisable to take AR 111 Drawing concurrently with AR 113. Limited enrollment fall semester.

AR 114 PAINTING (0-4-2)(F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.
These include color, wallpaper, fabrics, carpet, and furniture.

AR 204 ADVERTISING DESIGN (0-4-2)(F). Advanced work in various techniques through projects and lectures.

AR 203 ADVERTISING DESIGN (0-4-2)(F). Special assignments in various techniques employed in advertising and commercial art, problems in layout, typography, and reproduction processes will be emphasized. Advisable to take AR 105, 106, 107 and 108 prior to AR 203.

AR 202 ADVERTISING DESIGN (0-4-2)(S). Advanced work in various techniques employed in advertising and commercial art. PREREQ: AR 108, AR 203 or PERM/INST.

AR 208 WEAVING (0-4-2)(F/S). Develop skills and techniques in four-harness loom weaving, off-loom weaving and tapestry weaving will be emphasized through construction and study of traditional and contemporary fiber arts. Taught Intermittent.

AR 209 INTRODUCTION TO PRINTMAKING (0-4-2)(F/S). A course designed to acquaint the student with creative work in woodcut, lithography, and intaglio. Advisable to have some experience in drawing and design.

AR 210 PRINTMAKING (0-4-2)(F/S). This course is designed to be a transitional class between the introduction to printmaking, AR 209 and the advanced class AR 309. Emphasis will be placed on the use of the techniques to accommodate one's personal statement while utilizing sound design practices.

AR 211 ANATOMY (0-4-2)(S). A structural and aesthetic approach to drawing the nude, emphasizing bone, muscle, and surface anatomy of the figure. Model fee. PREREQ: AR 111-112.

AR 212 LIFE DRAWING (0-4-2)(S). Further study from the model with increased emphasis on anatomy, expressive drawing, and composition. Model fee. PREREQ: AR 211.

AR 215 PAINTING (0-4-2)(F/S). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic or other media may be used. May be repeated once for credit. PREREQ: AR 113 and AR 114.

AR 217 PAINTING-WATERCOLOR (0-4-2)(F). Major emphasis will be in the use of transparent watercolor. Work can be outdoors from nature as well as studio work.

AR 218 PAINTING AND WATERCOLOR (0-4-2)(S). Introduction to experimental techniques in the use of opaque waterbase media. Work will be outdoors from nature as well as studio work. Advisable to take AR 217 prior to AR 218.

AR 219 PORTRAIT AND FIGURE PAINTING (0-4-2)(F/S). Painting from models with an emphasis on a representational approach; study of form, color and composition as they relate to the human figure. Model fee. Advisable to take AR 114 and 112 prior to AR 219. May be repeated once for credit.

AR 221 ART METALS (0-4-2)(F). A creative exploration in design and construction problems. Various materials will be utilized with primary emphasis on jewelry design and metals. Craftsmanship and the care and usage of tools will be stressed.

AR 222 ART METALS (0-4-2)(S). Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. PREREQ: AR 221.

AR 225 CERAMICS (0-4-2)(F). An introduction to ceramics technique and materials. Wheel-throwing, hand building, decoration, glazing and firing will be given. Enrollment is limited. Advisable to take AR 105 and 106 prior to AR 225.

AR 226 CERAMICS (0-4-2)(S). Continued use of the potter's wheel, molding, and hand building. Advisable to take AR 105 and 106 prior to AR 226.

AR 231 SCULPTURE (0-4-2)(F). Work in a variety of three dimensional material with emphasis on the techniques of carving, modeling. 

AR 232 SCULPTURE (0-4-2)(S). Continued work in a variety of three dimensional materials with emphasis on the techniques of carving, modeling and mold building.

AR 251 INTRODUCTION TO CREATIVE PHOTOGRAPHY (2-2-2)(F/S). An aesthetic approach to the basic photographic skills of camera operation, film development and enlargement of negatives. All work in black and white. Adjustable camera required.

AR 252 HISTORY OF PHOTOGRAPHY (3-0-3)(F). This course is designed to provide a basic understanding of both the technical and visual history of photography. Through slide presentations, important photographers of the 19th and 20th centuries will be discussed in terms of their role in the development of photography as an art form. (Offered even numbered years.)

AR 255 ADVANCED ARCHITECTURAL GRAPHICS (1-4-3)(F). Three-dimensional drawing applying various delineation techniques; preliminary presentation techniques and use of color in graphics.

AR 256 BASIC ARCHITECTURAL DESIGN (1-4-3)(S). Introduction to the process of architectural design. Combines basic architectural projects with presentation techniques learned in AR 156 Architectural Graphic Communication or AR 255 Advanced Architectural Graphics. Advisable to take AR 156 or AR 255 before enrolling in AR 256 Basic Architectural Design.


AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(S). This course is developed to enable students to identify construction materials, elements, and systems; to locate theoretical and proprietary information about them and to sketch out various construction systems and combinations thereof. At completion, they should be able to select materials based on physical and psychological criteria and design with sensitivity to the appropriate use of various materials.

Upper Division

AR 301 NINETEENTH CENTURY ART HISTORY (3-0-3)(F). A study of important artists and movements from Neoclassicism through Post-Impressionism. Critical writing will be assigned.

AR 302 HISTORY OF TWENTIETH CENTURY MOVEMENT IN ART (3-0-3)(S). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism. Critical writings will be assigned.

AR 303 STUDIO IN ADVERTISING DESIGN (0-6-3)(F/S). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. PREREQ: AR 204 or PERM/INST. May be repeated once for credit.

AR 305 STUDIO IN VISUAL DESIGN (0-6-3)(F). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and 106 prior to AR 305.

AR 307 STUDIO IN METALSMITHING (0-6-3)(F). Advanced study in methods of jewelry making and metalsmithing with special emphasis on raising, die-forming, sheet-forming, and mechanical techniques to further develop personal skills in design and craftsmanship. May be repeated for credit. PREREQ: AR 221, 222.

AR 308 ADVANCED WEAVING (0-6-3)(F). Continuing development of skills and techniques in weaving will be emphasized through specialized areas of study such as drafting and designing complex weave structures, block theory, multi-layered and three dimensional fiber construction, ikat and warp painting, dyeing with natural and chemical dyes. Taught Intermittent. PREREQ: AR 208 or PERM/INST. (Repeatable for credit.)

AR 309 STUDIO IN PRINTMAKING (0-6-3)(F/S). Introduction to color printing and advanced printmaking in any of the following specialized areas, each of which may be repeated once for credit: intaglio, lithography, serigraphy, and relief printing. PREREQ: AR 209.

AR 311 ADVANCED DRAWING (0-6-3)(F/S). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit. PREREQ: AR 212.

AR 315 STUDIO IN PAINTING (0-6-3)(F). Creative work in representational areas in any media. May be repeated once for credit. PREREQ: AR 215.

AR 317 PAINTING-WATERCOLOR (0-6-3)(F). Advanced work in opaque and transparent media with emphasis on experimental techniques. Advisable to take AR 217 and 218 prior to AR 317.

AR 318 PAINTING-WATERCOLOR (0-6-3)(S). Advanced work in opaque and transparent media with emphasis on experimental techniques. Advisable to take AR 317 prior to AR 318.

AR 319 PORTRAIT AND FIGURE PAINTING (0-6-3)(F/S). Painting from models in realistic or semi-abstract styles based on individual interests. Model fee. May be repeated for credit. PREREQ: AR 219 and Upper Division status.

AR 321 ELEMENTARY SCHOOL ART METHODS (2-2-3)(F/S). For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed.
AR 325 STUDIO IN CERAMICS (0-6-3)(F). Advanced study in the materials of ceramics with emphasis on exploration of clays, glazes, and firing in earthenware, stoneware, and porcelain. Individual instruction will be given. PREREQ: AR 225 or 226 or PERM/INST.

AR 326 STUDIO IN CERAMICS (0-6-3)(S). Emphasis is on structural studies in handbuilding and wheel-thrown works. Various firing methods using earthenware, stoneware, and porcelain will be explored. PREREQ: AR 225 or 226 or PERM/INST.

AR 331 STUDIO IN SCULPTURE (0-6-3)(F/S). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. Advisable to take AR 231 and 232 prior to AR 331. May be repeated once for credit.

AR 333 COMPUTER GRAPHICS FOR ARTISTS (0-4-2)(F,S). This course teaches the student to create art, graphics, or architectural drawings on a personal computer. Computers available are the Apple IIGS, Macintosh Plus, and Tandy 2000. Program available include Paintworks Plus, Pagemaker, Aldus Freehand, SuperPaint, Lumaio, and AutoCad. PREREQ: PERM/INST. (Repeatable for credit.)

AR 341 CREATIVE PHOTOGRAPHY (2-4-3)(F/S). Advanced study of photographic techniques; emphasis on the creative approach to picture taking and printing. Adjustable camera required. Advisable to take AR 251 prior to AR 341.

AR 344 CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F,S). Advanced study of photographic techniques; emphasis on the creative approach to picture taking and printing in color. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

AR 345 STUDIO IN CREATIVE PHOTOGRAPHY (2-4-3)(F). Advanced study emphasizing techniques of color slides. Color theory and composition will be covered in the course as well as the processing of slides and various methods of projections. Various approaches to lighting and laboratory work will be taught. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

AR 346 PHOTOGRAPHY: ZONE SYSTEM (2-4-3)(F). This course deals with the important relationship that exists between the negative and the print in photography. This course will provide systematic accounting of the numerous variables of personal equipment, procedures, films, developers, enlarging papers, and style. Technique as the clarifier of idea will be stressed. PREREQ: AR 251 or PERM/INST. (Offered odd numbered years.)

AR 351 SECONDARY SCHOOL ART METHODS (2-2-3)(F). Art education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum planning. PREREQ: AR 251 or PERM/INST.

AR 361 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F/S). Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Advisable to take AR 203 and 204 prior to AR 361. May be repeated once for credit.


AR 409 STUDIO IN PRINTMAKING (0-6-3)(F/S). Individual problems in any of the following areas: woodcut, lithography, intaglio, and serigraphy. May be repeated for credit. PREREQ: AR 309.

AR 410 SENIOR SHOW (0-1-1)(F,S). An exhibition of art work by graduating seniors. The course will give students experience in the process of selecting, framing, and publicizing their art work. Students will be required to supply slide records of their art work, resumes, and if required, art work for the department's permanent collection. PREREQ: Senior Standing. (Pass/Fail)

AR 411 DRAWING STUDIO (0-6-3)(F). Individual problems in drawing. Model fee. May be repeated for credit. PREREQ: AR 311.

AR 415 STUDIO IN PAINTING (0-6-3)(F). Individual problems in painting in any media. Students will participate in one-person senior show projects. May be repeated for credit. PREREQ: AR 315.

AR 417 STUDIO IN PAINTING-WATERCOLOR (0-6-3)(F). Advanced study in selected watercolor media. Advisable to take AR 317 and 318 prior to AR 417. May be repeated for credit.

AR 419 STUDIO IN METALS (0-6-3)(F). Continued study in materials and methods of jewelry making and metalsmithing as they apply to the creative artist and teacher. May be repeated for credit. PREREQ: AR 221, 222, 307.

AR 425 STUDIO IN CERAMICS (0-6-3)(F). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 325 and 326 prior to AR 425. Individual instruction will be given. May be repeated for credit.

AR 431 STUDIO IN SCULPTURE (0-6-3)(F). Continued study in the materials and methods of the sculptor with emphasis on welded steel and casting, carving, mixed media, and experimental projects. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

AR 441 CREATIVE PHOTOGRAPHY (2-4-3)(F,S). Individual problems in black and white photography. Advisable to take AR 251 and AR 341. May be repeated for credit.

AR 444 CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F,S). Individual problems in color photography. May be repeated for credit. PREREQ: AR 344 or PERM/INST.

AR 461 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F,S). A continuing study of illustration with emphasis on development of specialized areas such as airbrush, decorative and special effects, scientific, book, editorial and reportage illustration and media and image expression. The student will work toward completing a professional portfolio. PREREQ: Two semesters of Art 361. May be repeated for credit.

AR 498 SENIOR SEMINAR (3-0-3)(F,S). Required reading and written and oral reports relative to the senior art major's area of interest within the visual arts. PREREQ: Senior status.

Department of Biology
Science/Nursing Bldg., Rm. 223
Telephone (208) 385-3262
Chairperson and Professor: Marcia C. Wicklows-Howard; Professors: Baker, Bechard, Centanni, Douglas, Fuller, McCloskey, Pappenfuss, Ryther; Associate Professors: Long, Wylie; Assistant Professors: Dufty, Munger, Ott.

Degrees Offered
- MS in Raptor Biology (see Graduate College for program details)
- BS in Biology
- BS in Biology, Secondary Education
- Biology Minor
- Pre-Forestry and Wildlife Management

Degree Requirements

**BIOLOGY MAJOR**

**Bachelor of Science Option**

1. General University and Baccalaureate Degree Requirement

   Credits: 1...30

2. Major Requirements

   **Biology**

   Credits: 45

   **Biology Core**

   General Botany BT 130
   General Zoology Z 130
   Cell Biology B 301
   Genetics B 343
   Ecology B 423
   Biology Seminar B 498 or 499
   Physiology—one course
   Plant Physiology BT 401
   Human Physiology Z 401
   General & Comparative Physiology Z 409
   Morphology—one course
   Plant Anatomy BT 302
   Plant Morphology BT 311
   Comparative Vertebrate Anatomy Z 301
   Vertebrate Embryology Z 351
   Vertebrate Histology Z 400
   *Biology Electives to total 45 credits: 1...17

3. **Chemistry**

   College Chemistry C 131-134
   Organic Chemistry C 317, 319
   5

4. **Mathematics**

   Algebra and Trigonometry M 111
   Four or more credits chosen from the following:
   - Applied Statistics with the Computer M 120
   - A First Course in Programming CS 122
   - Digital Computer Program CS 124 or EN 104
   - Introduction to Computer Science I CS 125
   - Calculus and Analytic Geometry M 204
   5

5. **Recommended Electives**

   Area I & II Electives
   Biochemistry C 431
   Earth Science Electives
BIOLOGY MINOR

General Botany BT 130 ........................................ 4
One of the following: ........................................ 4
Concepts of Anatomy & Physiology Z 107
Human Anatomy & Physiology Z 111, 112
General Zoology Z 130
200 level or higher Biology Electives .................. 10-14
With at least one upper division course
TOTAL ......................................................................... 22

Secondary Education Option—Major Endorsement
1. General University and Baccalaureate Degree Requirement Credits ........................................ 30
2. Major Requirement Credits
   - Biology ................................................................ 30-45**
   - Biology Core .................................................... 20
     General Botany BT 130 ................................. 4
     General Zoology Z 130 ................................. 5
     Cell Biology B 301 ............................................ 3
     Genetics B 343 ................................................ 3
     Ecology B 423 ................................................ 4
     Biology Seminar B 498 or 499 ....................... 1
     Physiology—one course .................................. 4
     Plant Physiology BT 401 ................................ 4
     Human Physiology Z 401 ............................ 4
     Gen & Comp Physiology Z 409 ....................... 4
     Morphology—one course .............................. 4
     Plant Anatomy BT 302 ...................................... 4
     Plant Morphology BT 311 .............................. 4
     Comparative Vertebrate Anatomy Z 301 ...... 4
     Vertebrate Embryology Z 351 ......................... 4
     Vertebrate Histology Z 400 ............................ 4
   *Biology Electives to total 30-45 credits .......... 2-17
3. Chemistry ......................................................... 14
   - College Chemistry C 131-134 .................... 9
   - Organic Chemistry C 317, 319 .................. 5
4. Mathematics .................................................... 9
   - Algebra & Trigonometry M 111 ................. 5
   Four or more credits chosen from the following:
     Applied Statistics with the Computer M 120 ...... 4
     A First Course in Programming CS 122 ...... 2
     Digital Computer Program CS 124 or EN 104 .... 2
     Introduction to Computer Science I CS 125 .... 3
     Calculus and Analytic Geometry M 204 ....... 5
5. Education Requirement Credits .................. 29-35
   The following are required for Secondary Teaching Certification in Idaho:
     Intro Second Teach: Clsrm Obs TE 172 ......... 1
     Foundations of Education TE 201 .............. 3
     Educational Technology TE 356 .............. 2
     Reading in Content Subjects TE 407 ........... 3
     Educ Except Secondary Student TE 333 ....... 1
     Educational Psychology TE 225 ............... 3
     Secondary School Methods TE 381 .......... 3
     Secondary School Science Methods TE 384 .... 3
   Secondary School Student Teaching ........... 10-16
6. Elective Credits .................................................. 0-1
   *A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.
   **A Biology, Secondary Education Option major without a minor requires 45 Biology credits.
   A Biology, Secondary Education Option major with a minor in another area requires 30 Biology credits. A Minor in Biology requires a minimum of 24 Biology credits. In all instances a minimum of 6 credits must be in Botany and 6 credits in Zoology.
   NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

Secondary Education Option—Minor Endorsement
1. General University and Baccalaureate Degree Requirement Credits ........................................ 30
2. Major Requirement Credits ........................................ 30
3. Minor Endorsement in Biology Credits ................. 24**
   General Botany BT 130 .................................... 4
   General Zoology Z 130 .................................... 5
   Cell Biology B 301 .......................................... 3

BIOLOGY MAJOR

Genetics B 343, 344 ........................................ 4
Elective course in Botany .................................. 4
Elective course in Zoology .................................. 4

4. Education Requirement Credits .................. 29-35
   The following are required for Secondary Teaching Certification in Idaho:
     Intro Second Teach: Clsrm Obs TE 172 ......... 1
     Foundations of Education TE 201 .............. 3
     Reading in Content Subjects TE 407 .......... 3
     Educ Except Secondary Student TE 333 .... 1
     Educational Technology TE 356 .............. 2
     Educational Psychology TE 225 .............. 3
     Secondary School Methods TE 381 .......... 3
     Secondary School Science Methods TE 384 .... 3
   Secondary School Student Teaching ........... 10-16

5. Elective Credits .................................................. 12-15

Recommended Program
BIOLOGY MAJOR
Bachelor of Science Degree

FRESHMAN YEAR
  English Composition E 101, 102 .......................... 3
  General Botany BT 130 .................................. 4
  General Zoology Z 130 .................................. 5
  College Chemistry C 131-134 ....................... 4
  Mathematics ............................................... 4
  - 5
  16
  17-18

SOPHOMORE YEAR
  Organic Chemistry C 317, 319 .......................... 5
  Cell Biology B 301 ........................................ 3
  Electives (Area I) ......................................... 6
  Electives (Area II) ........................................ 3
  Other Electives ........................................... 3
  14
  15

JUNIOR YEAR
  Genetics B 343 ........................................... 3
  Electives (Area I, II) .................................... 3
  Biology Electives ........................................ 5
  Other Electives ........................................... 3
  14
  14

SENIOR YEAR
  Ecology B 423 ............................................ 4
  Biology Seminar B 498 ................................. 1
  Biology Electives ........................................ 4
  Other Electives ........................................... 9
  16
  17

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

FRESHMAN YEAR
  English Composition E 101, 102 .......................... 3
  General Botany BT 130 .................................. 4
  General Zoology Z 130 .................................. 5
  College Chemistry C 131-134 ....................... 4
  Mathematics ............................................... 5
  - 4-5
  16
  17-18

SOPHOMORE YEAR
  Organic Chemistry C 317, 319 .......................... 5
  Biology Electives ........................................ 4
  - 3
  1

JUNIOR YEAR
  Educational Psychology TE 225 ....................... 3
  Secondary School Methods TE 381 .................. 3
  Secondary School Science Methods TE 384 .... 3
  Secondary School Student Teaching ........... 10-16
Course Offerings

See page 20 for definition of course numbering system

B BIOLOGY

Lower Division

B 100 CONCEPTS OF BIOLOGY (3-2-4) (F/S) (AREA III). Basic course for nonmajors. General biological principles and how they relate to man. Brief survey of plant and animal diversity. Emphasis areas include populations, pollution, ecology, genetics, and evolution.

B 200 MAN AND THE ENVIRONMENT (3-0-3) (F/S). The impact of biological, economic, and social factors on man's environment are discussed. Participants become aware of important issues and factors involved in environmental decision making.

B 205 MICROBIOLOGY (3-2-4) (F/S). A survey of microbial diversity, structure, function, and metabolism; principles of microbial control; host-parasite relationships; immunology; and medically important microorganisms. PREREQ: C 107 and Z 111-112 (or equivalent) or PERM/INST.

B 300 MICROBIOLOGY (3-2-4) (F/S). A survey of microbial diversity, structure, function, and metabolism; principles of microbial control; host-parasite relationships; immunology; and medically important microorganisms. PREREQ: C 107 and Z 111-112 (or equivalent) or PERM/INST.

B 301 CELL BIOLOGY (3-0-3) (F/S). Structure and function of prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal aberrations, and medical applications of Cell Biology. One year of college Biology and prior or concurrent enrollment in Organic Chemistry are required.

B 303 GENERAL BACTERIOLOGY (3-4-5) (F/S). A general survey of the field of Bacteriology; techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. PREREQ: C 317, B 301, PERM/INST.

B 310 PATHOGENIC BACTERIOLOGY (2-6-4) (F/S). Medically important bacteria, rickettsia, and chlamydia are surveyed with emphasis on their pathogenicity, host-parasite relationships, and the clinical and diagnostic aspects of the diseases they produce in humans and animals. PREREQ: B 301 or PERM/INST.

B 343 GENETICS-LECTURE (3-0-3) (F). A study of the principles of genetics as they relate to living organisms. PREREQ: B 301 or PERM/INST.

B 344 GENETICS LABORATORY (0-3-1) (F). A practical course in the techniques of growing and analyzing genetic materials. Drosophila and other organisms will be cultured and analyzed; reports will be submitted. PREREQ: prior or concurrent enrollment in B 343 required.

B 401-401G ORGANIC EVOLUTION (3-0-3) (S). Philosophical basis and historical development of evolutionary theory. Detailed examination of genetic variation, mechanisms of evolutionary change, adaptation, specialization; phylogeny. Genetics recommended. Offered odd-numbered years. PREREQ: B 301 or PERM/INST.

B 412-412G GENERAL PARASITOLOGY (2-3-3) (S). Animal parasites with emphasis on those of man and his domestic animals. Lectures cover general biology, life history, structure, function, distribution, and significance of parasites. Laboratory provides experience in identification and detection. PREREQ: B 301, PERM/INST.

B 415-415G APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4) (S). Microbial populations and processes in soil and water. Water and food-borne pathogens. Microbiological and biochemical methods of environmental assessment. PREREQ: B 303, PERM/INST.

B 420-420G IMMUNOLOGY (3-0-3) (S). A survey of the principles of immunology, host defense systems, the immune response, immune disorders, serology and other related topics. Representative laboratory procedures will be demonstrated. PREREQ: B 303, PERM/INST.

B 423-423G ECOLOGY (3-3-4) (F/S). A survey of the physical factors of the environment and their effect of the mode on life and distribution of plants and animals. Environmental and ecological relationships of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, populations, communities, pollution, etc. Weekend field trips may be taken. PREREQ: B 130, Z 130, PERM/INST.

B 498, 499 BIOLOGY SEMINAR (1-0-1) (F/S). A review of pertinent literature on selected topics. Restricted to senior Biology majors.

Graduate Courses

See Graduate College section of this catalog for course descriptions.

BT BOTANY

Lower Division

BT 115 MUSHROOMS OF IDAHO (2-0-2) (F). A survey of the fleshy fungi with emphasis on collecting and identifying species of Idaho mushrooms. Edible and poisonous species will be discussed. Weekend field trips arranged.

BT 130 GENERAL BOTANY (3-3-4) (F/S) (AREA III). An introduction to a plant biology which includes the study of cells, genetics, whole plant physiology and functions, ecology, classification, and economic importance.

Upper Division

BT 302 PLANT ANATOMY (3-3-4) (F/S). A study of the structure and development of vascular plant tissues, regions, and organs. Emphasis will be placed on the Angiosperms. PREREQ: BT 130, B 301, PERM/INST.

BT 305 SYSTEMATIC BOTANY (2-4-4) (F/S). Fundamental problems of taxonomy. Discussion of historical development of classification systems and comparison of recent systems. Instruction on use of keys and manuals. PREREQ: BT 130, PERM/INST.

BT 311 PLANT MORPHOLOGY (3-4-4) (F). A comparative study of the structure, function, reproduction, and development of major plant groups. Phylogeny, paleobotany, and economic importance of various plant groups will be considered. PREREQ: BT 130 or PERM/INST.

BT 330-330G MYCOLOGY (3-3-4) (F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. PREREQ: BT 130, C 317, PERM/INST.

FS FORESTRY

Lower Division

FS 101 GENERAL FORESTRY (2-0-2) (S). A survey of forestry, timber management and economics, and the propagation of important trees of the United States.

Z ZOOLOGY

Lower Division

Z 107 CONCEPTS OF HUMAN ANATOMY AND PHYSIOLOGY (3-3-4) (F/S). A survey of human structure and function with emphasis on regulatory mechanisms of the body. This is a terminal course and does not satisfy allied health program requirements.

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4) (AREA III CORE). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior or concurrent enrollment in C 107 is recommended.
A BSU graduate with a major in chemistry can choose from a variety based upon employment requirements of industry, educational institutions, and government agencies, while emphasizing the individual needs and capabilities of each student. The faculty of the Chemistry Department recognizes that students are most successful if their training has prepared them for a specific career field, but also recognizes that a broad background affords the best opportunity for a future career selection.

### Degree Requirements

**CHEMISTRY MAJOR**

Bachelor of Science

This degree prepares the student for employment as a chemist or for admission to graduate school or medical school.

1. **General University and Baccalaureate Degree Requirements** (128 credits total)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements</td>
<td>49-57</td>
</tr>
<tr>
<td>English Composition E 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Area I Core</td>
<td>12</td>
</tr>
<tr>
<td>Area II Core</td>
<td>12</td>
</tr>
<tr>
<td>Electives, Lower and Upper Division</td>
<td>24-32</td>
</tr>
</tbody>
</table>

2. **Chemistry Requirements** (46 credits)

   - College Chemistry C 131, 132, 133, 134
   - Quantitative Analysis C 211, 212
   - Chemical Literature C 280
   - Organic Chemistry C 317, 318, 319, 320
   - Physical Chemistry C 321, 322, 323, 324
   - Advanced Inorganic Chemistry C 401-402
   - Instrumental Analysis C 411
   - Spectrometric Identification C 440
   - Advanced Chemical Preparations Lab C 443
   - Independent Study C 496
   - Chemistry Seminar C 498
   - Mathematics Requirements
     - 13-18 (Completion of Mathematics through Calculus M 206)
     - Physics Requirements
     - 10
     - (PH 211, 212, 213, 214)

2. **Recommended Electives:**

   - Foreign Language
   - Upper Division Mathematics
   - Upper Division Chemistry
   - Upper Division Physics
   - Advanced Topics in Chemistry
   - Life Science Courses

**CHEMISTRY MINOR**

College Chemistry C 131*, 132, 133, 134

Organic Chemistry C 317, 318, 319

One of the following pairs of courses

- Quantitative Analysis C 211, 212
- Physical Chemistry C 321*, 323
- Intro to Biochemistry C 431, 432

**TOTAL**

- 21-22

*Math and/or Physics prerequisite.

**CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION**

Bachelor of Science Degree

This degree program prepares the student to teach Chemistry in secondary schools.

1. **General University and Baccalaureate Degree Requirements** (128 credits total)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements</td>
<td>27-35</td>
</tr>
<tr>
<td>English Composition E 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Area I Core</td>
<td>12</td>
</tr>
<tr>
<td>Area II Core</td>
<td>9</td>
</tr>
<tr>
<td>Electives, Lower and Upper Division</td>
<td>0-8</td>
</tr>
</tbody>
</table>

2. **Major Endorsement Requirements**

   - Chemistry
     - College Chemistry C 131, 132, 133, 134
     - Quantitative Analysis C 211, 212
     - Organic Chemistry C 317, 318, 319, 320
     - Physical Chemistry C 321, 322, 323, 324
     - Chemistry Seminar C 498, 499
     - Additional Upper Division Chemistry Courses
     - Mathematics Requirements
       - 10-18 (Completion of Mathematics through M 206)
       - Physics Requirements
       - 10
       - (PH 211, 212, 213, 214)
     - Biology Requirements
       - 9
     - (BT 130 and Z 130)
2. Idaho Certification Requirements

Recommended Programs

CHEMISTRY MAJOR
Bachelor of Science Degree

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN YEAR</td>
<td></td>
</tr>
<tr>
<td>English Composition E 101, 102</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics M 204</td>
<td>5</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
<td>10</td>
</tr>
<tr>
<td>TOTALS</td>
<td>15</td>
</tr>
</tbody>
</table>

| SOPHOMORE YEAR |  |
| Organic Chemistry C 317, 319, 318, 320 | 5 |
| Chemical Literature C 280 | 1 |
| Mathematics M 205, 206 | 4 |
| Physics I & II PH 211-212, 213-214 | 5 |
| Degree Requirements or Electives | 16 |
| TOTALS | 17 |

| JUNIOR YEAR |  |
| Physical Chemistry C 321, 322, 323, 324 | 4 |
| Quantitative Analysis C 211, 212 | 5 |
| Spectrometric Identification C 440 | 3 |
| Degree Requirements or Electives | 9 |
| TOTALS | 16 |

| SENIOR YEAR |  |
| Advanced Inorganic Chemistry C 401, 402 | 3 |
| Instrumental Analysis C 411 | 4 |
| Advanced Chemical Preparations C 433 | 3 |
| Independent Study C 496 | 1 |
| Chemistry Seminar C 498 | 1 |
| Degree Requirements or Electives | 12 |
| TOTALS | 16 |

| CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION |  |
| Bachelor of Science Degree |  |
| 1st SEM | 2nd SEM |
| FRESHMAN YEAR |  |
| English Composition E 101, 102 | 3 |
| College Chemistry C 131, 132, 133, 134 | 4 |
| Mathematics M 204 | 5 |
| General Zoology Z 130 | 5 |
| General Botany BT 130 | 5 |
| Degree Requirements or Electives | 15 |
| TOTALS | 16 |

| SOPHOMORE YEAR |  |
| Organic Chemistry C 317, 319, 318, 320 | 5 |
| Mathematics M 205, 206 | 4 |
| Physics I PH 211, 212 | 5 |
| Physics II PH 213, 214 | 5 |
| General Psychology P 101 | 3 |
| Intro Second Teach: Clsmr Obs TE 172 | 1 |
| Foundations of Education TE 201 | 3 |
| TOTALS | 16 |

| JUNIOR YEAR |  |
| Physical Chemistry C 321, 322, 323, 324 | 4 |
| Educational Analysis C 211, 212 | 5 |
| Reading in Content Subjects TE 407 | 3 |
| Degree Requirements or Electives | 9 |
| TOTALS | 15 |

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 120 credit hours. See Department of Teacher Education listing for more information.

Course Offerings

See page 20 for definition of course numbering system

C CHEMISTRY

CHEMISTRY LABORATORY FEE: A ten dollar ($10.00) laboratory fee per course is charged to all students enrolling in a chemistry laboratory. Eight dollars ($8.00) will be refunded subject to return of the laboratory locker key and minus the cost of any amount of breakage or loss.

Lower Division

C 100 CONCEPTS OF CHEMISTRY (3-3-4)(AREA III). A descriptive non-mathematical course designed to acquaint students with the science of Chemistry and the relationship of Chemistry to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve as part of a Chemistry sequence. Students who have received credit for C 109 or C 133 may not receive credit for C 100.

C 107 ESSENTIALS OF CHEMISTRY (3-0-3)(AREA III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. PREREQ: Satisfactory score on Mathematics Placement Exam “BA” and/or satisfactory completion of Math 102 is required. COREQ: Concurrent enrollment in C 108 is required.

C 108 LABORATORY FOR ESSENTIALS OF CHEMISTRY (0-3-1)(AREA III). The laboratory to accompany C 107. COREQ: Concurrent enrollment in C 107 is required.


C 110 LABORATORY FOR ESSENTIALS OF CHEMISTRY (1-2-2)(S/SU)(AREA III). The laboratory to accompany C 109. One three-hour laboratory and one one-hour recitation. The recitation will include discussion of both lecture and laboratory material. COREQ: C 109.

C 131 COLLEGE CHEMISTRY (3-0-3)(S)(AREA III). The first semester of a one-year sequence course. A thorough study of the fundamentals of Chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. PREREQ: M 111 or M 108. COREQ: Concurrent enrollment in C 132 is required.

C 132 LABORATORY FOR COLLEGE CHEMISTRY (0-3-1)(F/SU)(AREA III). Laboratory work to accompany C 131. COREQ: Concurrent enrollment in C 131 is required.

C 133 COLLEGE CHEMISTRY (3-0-3)(S/SU)(AREA III). A continuation of C 131 to include equilibrium, redox and complex ions. PREREQ: C 131, 132.

C 134 LABORATORY FOR COLLEGE CHEMISTRY (1-2-2)(S/SU)(AREA III). Laboratory work to accompany C 133. To include qualitative analysis. One hour of recitation and one three-hour laboratory per week. PREREQ: C 131, 132.

C 211 QUANTITATIVE ANALYSIS (3-0-3)(F). Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analysis. PREREQ: C 131, 132, 133, 134.

C 212 QUANTITATIVE LABORATORY TECHNIQUE (0-6-2)(F). Practical application of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. PREREQ: C 211 or concurrent enrollment.

C 280 CHEMICAL LITERATURE (1-0-1). An introduction to the chemical literature including the use of Chemical Abstracts, computer searching and writing reports in accepted format. PREREQ: C 133 or PERM/INST.

Upper Division

C 317 ORGANIC CHEMISTRY LECTURE (3-0-3)(F). An overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, mechanisms, stereochemistry, proteins and carbohydrates. Will fulfill the requirements for an elementary organic course and partially fulfill the requirements for a more rigorous course. PREREQ: C 131, 132, 133, 134. COREQ: Concurrent credit enrollment in C 319 is required.
Degrees Offered
• BA, English, Liberal Arts
• BA, English, Secondary Education
• BA, English, General Literature emphasis
• BA, English, American Literature emphasis
• BA, English, British Literature emphasis
• BA, English, Linguistics emphasis
• BA, English, World Literature emphasis
• BA, English, Writing emphasis
• MA in English (see Graduate College for details)

Department Statement
The major in English has traditionally served to develop skills of imagining, reasoning, and communicating. English majors come to approach matters from a variety of points of view, to recognize patterns of information or ideas from incomplete reports, and to understand other people as well as abstract principles. For these reasons the major in English has provided one of the most successful preparations for professional degrees in law, medicine, and commerce. The department also participates in the university’s Studies Abroad Program described on page 33.

Because the major serves students seeking personal development as well as professional training, the department has designed a series of major options to fit student needs. The Secondary Option fulfills Idaho certification requirements and prepares students to teach in school districts around the country. The General Option affords the student the greatest flexibility through limiting departmental requirements. The Liberal Arts emphasis, by requiring preparation in a number of areas, offers the broadest, most complete background in the disciplines.

Degree Requirements
All majors must fulfill general university requirements for the Bachelor of Arts degree.

1. BA, English, Liberal Arts emphasis
   • Specific Courses:
     Survey of British Lit E 240 and E 260
     Shakespeare E 345, 346
     Introduction to Language Studies Li 305
     History of the English Language Li 309
     History of Literary Criticism E 393
     Senior Seminar E 498
   • Area Requirements:
     American Lit E 271, 272, 378, 384
     Pre-1800 British Lit E 340, 341, 348, 349, 351, 356, 358, 359
   • Upper Division Electives
     Competence in a Foreign Language equivalent to two years of University instruction
   • Additional Requirements:
     Survey of British Literature E 240, 260
     Shakespeare E 345, 346
     Introduction to Language Studies Li 305
     History of Literary Criticism E 393
     Senior Seminar E 498
     American Literature E 271, 272, 378, 384
     Writing number 200 or higher
     Language Li 306, 307, 309, 406
     Methods* E 301 and 381
     Lit for use in Junior and Senior High Sch! E 481
     Upper Division English Electives
     Western World Literature E 230 or 235

   To be approved for student teaching, students must have:
   a. Passed Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).
b. Completed all courses required for the departmental core and the secondary option. In some cases the department may approve enrollment in no more than two of the following courses (LI 307, E 301, E 481, or E 498) concurrent with student teaching.

c. Completed a speech communication class. The department recommends CM 111 or CM 112 which will also give partial fulfillment of the AREA II core.

d. Maintained a 2.50 cumulative grade point average and a 2.50 grade point average in the major.

e. Completed Idaho Certification requirements.

- Idaho Certification Requirements**
  - Found of Education TE 201
  - Educational Psychology TE 225
  - Educational Technology TE 356
  - Reading in Content Subjects TE 407
  - Methods Courses*
  - Secondary School Methods TE 381
  - Secondary School Student Teaching .................................. 10-16

**Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Dept. of Teacher Educ. listing for more information.

3. BA, English, General Literature emphasis

- Completion of 54 credits in English or Linguistics excluding E 101, E 102, E 111-H, and E 112-H.
  a. Of these credits, 39 must be upper division, including E 498, Senior Seminar.
  b. Of the upper division credits, 15 must be in British Literature, excluding E 385, E 389, and E 487.
  c. No more than 9 credits may be in special topics courses in English or Linguistics.

4. BA, English, American Literature emphasis

- Specific courses:
  - Survey of American Lit, E 271, 272
  - Shakespeare, E 345 or E 346
  - American Renaissance, E 377
  - American Realism, E 378
  - Lit of American West E 384
  - Folklore, E 390
  - Senior Seminar, E 498

- Area requirements:
  - Modern British & American Lit E 385, 389, 487
  - Lower Division Lit courses E 211, 213, 217, 219, 240 or 260
  - Upper Division electives in Literature or Linguistics
  - Cultural Anthropology, AN 102 (AREA II core)
  - U.S. History HY 151, 354, 355, 356, 358, or 359

5. BA, English, British Literature emphasis

- Specific courses:
  - Survey of British Literature E 240, 260
  - Shakespeare, E 345 or 346
  - Senior Seminar E 498

- Area requirements:
  - Pre-1800 British Lit courses numbered E 340-359
  - Post-1800 British Lit courses numbered E 360-369
  - Electives in British or American Lit (15 Upper Division)
  - British History HY 311, 312, 338 or 432

6. BA, English, Linguistics emphasis

- Specific courses:
  - Intro to Language Studies LI 305
  - Modern English Grammar LI 306
  - Applied English Linguistics LI 307
  - History of English Language LI 309
  - Applied Linguistics in Teaching ESL LI 407
  - ESL Internship E 493
  - Senior Seminar E 498

- Area requirements:
  - Electives in Lit lower or upper division
  - Upper division elect in Lit (12 British Lit)
  - One year of a Foreign Language

A 2nd year of foreign language or one year of a 2nd foreign language ......................... 6-8

Cultural Anthropology, AN 102 (AREA II core) .................................................. 3

7. BA, English, World Literature emphasis

- Specific courses:
  - Far Eastern Literature E 215
  - Western World Lit E 230, 235
  - 19th & 20th Cent Continental Lit E 336, 338
  - Medieval Epics & Romance, E 341
  - Shakespeare E 345 or 346
  - Folklore E 390
  - History of Literary Criticism E 393
  - Senior Seminar E 498

- Area requirements:
  - Lower Division Lit E 211, 213, 217, 240, 260, 271 or 272
  - English Lit courses from E 340-369
  - Upper Division electives in Lit or Linguistics
  - World Drama TA 341, 342, or 445
  - History, other than US or British

8. BA, English, Writing emphasis

- Specific courses:
  - Advanced Expository Comp E 201
  - Technical Writing E 202
  - Advanced Writing E 401
  - Writing Internship E 493
  - Senior Seminar E 498

- Area requirements:
  - Creative Writing E 205, 206, 305, or 306
  - Additional upper division writing course
  - Linguistics LI 305, 306, 307, or 309
  - Lower Division Lit electives
  - Upper Division Lit electives
  - Additional upper division lit or Ling electives
  - Interdisciplinary electives, CM 473, 474
  - HY 210 or HY 480-499, GO 471, LS 311, PY 335, 408 (or as approved by English Chair)

**ENGLISH MINOR**

One writing course numbered 200 or higher .......................................................... 3

Linguistics .................................................................................................................. 3

Survey British Literature E 240 or 260 ................................................................. 3

Survey American Literature E 271 or 272 ............................................................ 3

English and Linguistics electives (6 upper division) ........................................... 9

TOTAL 21

**MINOR TEACHING ENDOREMENT IN ENGLISH**

Advanced Composition .............................................................................................. 3

Linguistics .................................................................................................................. 3

Survey British Literature E 240 or 260 ................................................................. 3

Survey American Literature E 271 or 272 ............................................................ 3

Linguistics LI 305, 306, 307, or 309 ................................................. 6

Upper Division Literature

Successful completion of Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).

**THEATRE ARTS MINOR FOR ENGLISH MAJOR**

Technical Theatre (basic set draw & const) TA 117 ........................................ 4

Technical Theatre (basic set design, paint, light) TA 118 ................................ 4

Acting TA 215 ............................................. 3

Major Production Participation TA 331 ............................................................... 1

One of the following:

Stage Voice TA 233 ............................................. 2

World Drama, 500 B.C. to 1660 TA 338 .................................................. 3

World Drama, 1660 to 1960 TA 342 ................................................................. 3

Contemporary Theatre TA 445 ................................................................. 3

Directing TA 401 ............................................. 3

One of the following:

Shakespeare: Tragedies and Histories E 345 .................................................. 3

Shakespeare: Comedies and Romances E 346 .................................................. 3

TOTAL 20 or 21

**COMBINED MAJOR, COMMUNICATION AND ENGLISH**

The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an opportun-
### Course Offerings

See page 20 for definition of course numbering system.

#### E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshmen will be given credit only for those courses for which the resident students are required to take the same placement test. All students must meet the requirements below for remedial and advanced placement in English Composition.

Nine credits of Creative Writing may be counted toward fulfillment of the major requirements.

### Lower Division

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 101</td>
<td>ENGLISH COMPOSITION (3-0-3)(Core)</td>
<td>Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage. Successful completion of competency test required. PREREQ: ACT or SAT percent ile score of 20 or above, or S in Developmental Writing.</td>
</tr>
<tr>
<td>E 102</td>
<td>ENGLISH COMPOSITION (3-0-3)(Core)</td>
<td>Advanced practice in expository writing, which may include literary material as a means of teaching critical reading and writing and comprehension of complex ideas. Successful completion of competency test required. PREREQ: E 101 or PERM/CHAIR.</td>
</tr>
<tr>
<td>E 111</td>
<td>ENGLISH AS A SECOND LANGUAGE (5-0-3)(FS)</td>
<td>Special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Graded Pass/Fail. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.</td>
</tr>
<tr>
<td>E 122</td>
<td>COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(FS)</td>
<td>Practice in writing and composition, development of special vocabulary skills related to individual needs, advanced English sentence structure. For foreign students with TOEFL scores of 551-575. Graded Pass/Fail. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.</td>
</tr>
<tr>
<td>E 123</td>
<td>ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3)(FS)</td>
<td>Study of and practice in the principles of formal and informal written English; principles of the essay and research paper, complement of vocabulary development and mastery of the more complex types of English structure. Successful completion of the competency exam required. Graded Pass/Fail. Successful completion of E 123 qualifies the student for entrance into E 101. PREREQ: Admission to BU, recommendation of Foreign Student Advisor and PERM/INST.</td>
</tr>
<tr>
<td>E 131</td>
<td>INTRODUCTION TO LITERATURE (3-0-3)(FS)</td>
<td>A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television sections of and hear recorded editions of some of the works read. PREREQ: Completion of or concurrent enrollment in E 101 or PERM/CHAIR.</td>
</tr>
<tr>
<td>E 201</td>
<td>ADVANCED EXPOSITORY COMPOSITION (3-0-3)(FS)</td>
<td>An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing, as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. PREREQ: E 102 or PERM/CHAIR.</td>
</tr>
<tr>
<td>E 202</td>
<td>TECHNICAL WRITING (3-0-3)(FS)</td>
<td>Practice in writing the kinds of reports used in the sciences, social sciences, health services and industry. Students will improve the logic, organization and persuasiveness of their writing. Will not fulfill Area I requirements. PREREQ: E 102 or PERM/CHAIR.</td>
</tr>
<tr>
<td>E 205</td>
<td>POETRY WRITING (3-0-3)(FS)</td>
<td>Based on evaluation of student's original work. May be repeated for a total of nine credit hours. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td>E 206</td>
<td>FICTION WRITING (3-0-3)(FS)</td>
<td>Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story. May be repeated for a total of nine credit hours.</td>
</tr>
<tr>
<td>E 213</td>
<td>AFRO-AMERICAN LITERATURE (3-0-3)(S)</td>
<td>The black experience as reflected in the development of Black American literature. This course relates Afro-American writing to its salient social and cultural conditions. It explores recurring and characteristic themes, techniques, and genres from slavery to present. Emphasis is on Black writing from the 1930's to the present day. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 215</td>
<td>FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(FS)</td>
<td>Survey of literature of Eastern countries with major emphasis on China, India, and Japan. An introduction to the cultural and religious environment of each country. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 217</td>
<td>MYTHOLOGY (3-0-3)(FS)</td>
<td>Mythologies and mythological concepts having most influence on Western civilization. Emphasis on Greek, Norse and Judeo-Christian mythologies and their relation to religion, literature, art, and modern psychology. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 219</td>
<td>NORTH AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(FS)</td>
<td>A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form, and style of oral narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 230</td>
<td>WESTERN WORLD LITERATURE (3-0-3)(FS)</td>
<td>Introduction to writings of the great minds of the Western tradition which have shaped our cultural and literary past and present. Reading includes selections from ancient Greece, Imperial Rome, and medieval and Renaissance Europe. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 235</td>
<td>WORLD LITERATURE (3-0-3)(FS)</td>
<td>An introduction to the Western literary tradition as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of skepticism and rebellion. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 240</td>
<td>SURVEY OF BRITISH LITERATURE TO 1790 (3-0-3)(FS)</td>
<td>Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 271</td>
<td>SURVEY OF AMERICAN LITERATURE: Beginnings to Civil War (3-0-3)(FS)</td>
<td>A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form, and style of oral narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 272</td>
<td>SURVEY OF AMERICAN LITERATURE: Civil War to Present (3-0-3)(FS)</td>
<td>The course traces the artistic, philosophic, social, scientific, and intellectual influences on American writers and the emergence of an independent American outlook, as seen in the literary works of such authors as Thoreau, Hawthorne, Melville, Emerson, and Whitman. PREREQ: E 102.</td>
</tr>
<tr>
<td>E 273</td>
<td>INTRODUCTION TO LITERATURE (3-0-3)(FS)</td>
<td>A study of and practice in the principles of formal and informal written English; principles of the essay and research paper, complement of vocabulary development and mastery of the more complex types of English structure. Successful completion of the competency exam required. Graded Pass/Fail. Successful completion of E 123 qualifies the student for entrance into E 101. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.</td>
</tr>
<tr>
<td>E 301</td>
<td>TEACHING ENGLISH COMPOSITION (3-0-3)(FS)</td>
<td>Methods and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to teachers, students with a secondary option and a major or minor in English, or consent of the department chair. PREREQ: Upper Division standing, and LI 305, Introduction to Language Studies, or inservice teaching.</td>
</tr>
<tr>
<td>E 305</td>
<td>ADVANCED POETRY WRITING (3-0-3)(FS)</td>
<td>E 205 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours.</td>
</tr>
<tr>
<td>E 306</td>
<td>ADVANCED FICTION WRITING (3-0-3)(FS)</td>
<td>Exploration of narrative technique, dialogue form, and the short story. Recommended: E 206. May be repeated for nine credit hours.</td>
</tr>
<tr>
<td>E 338</td>
<td>TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3)(FS)</td>
<td>Twentieth-century philosophical trends and cultural themes are emphasized in the reading. Included are works by Mann, Maupassant, Kafka, Bellow, Grass and Solzhenitsyn, which examine mythological, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 102 or PERM/CHAIR. Alternate years. Offered 1992/1993.</td>
</tr>
<tr>
<td>E 341</td>
<td>MEDIEVAL EPICS AND ROMANCES (3-0-3)(FS)</td>
<td>Representative English and continental epics and romances, including Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes, Arthurian Romances, The Song of Roland, the Nibelungenlied, The Cid. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1992/1993.</td>
</tr>
<tr>
<td>E 345</td>
<td>SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3)(FS)</td>
<td>A selection of the tragic plays including Romeo &amp; Juliet, Hamlet and King Lear, and the best plays concerning English history. PREREQ: Three credits of literature or PERM/CHAIR.</td>
</tr>
</tbody>
</table>
E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3)(F/S). Representative plays such as The Taming of the Shrew, A Midsummer's Night's Dream, As You Like It, Twelfth Night, and the Tempest. PREREQ: Three credits of literature or PERM/CHAIR.


E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S). Works of the English authors such as Francis Bacon, Ben Jonson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1993/1994.


E 359 BRITISH NOVEL: BEGINNINGS THROUGH AUSTEN (3-0-3)(F). An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Sterne, Austen and others. The emergence of the most popular genre of literature helps us to understand how fiction is communicating ideas about the world around us. PREREQ: Three credits of literature or PERM/CHAIR.

E 360 BRITISH ROMANTIC POETRY AND PROSE (3-0-3)(F/S). Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide fresh patterns of emotional and intellectual response to nature and our place in it. PREREQ: Three credits of literature or PERM/CHAIR.

E 365 VICTORIAN POETRY (3-0-3)(S). Readings in Tennyson, Browning, Arnold, and others. Their poems are the sometimes sane, sometimes shocking results of trying to find and keep artistic and moral hope amidst vital but unhealthy times. PREREQ: Three credits of literature or PERM/CHAIR.

E 366 VICTORIAN PROSE (3-0-3)(S). Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Pater, bring insights to controversy over issues still with us. Their subjects range from industrialism to mysticism, their purposes from amusement to reformation. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1992/1993.

E 369 BRITISH NOVEL: SCOTT THROUGH HARDY (3-0-3)(S). An investigation of the development of the English novel during the nineteenth century with particular attention to the impact of Victorian thought on the genre and to the emerging of the modern novel. Includes Scott, Dickens, Gaskell, Thackeray, the Brontes, Trollope, Eliot, and Hardy. PREREQ: Three credits of literature or PERM/CHAIR.

E 377 AMERICAN RENAISSANCE (3-0-3)(F/S). A study in the second generation of the American literary experience when such leading writers as Hawthorne, Melville, Emerson, Thoreau, Poe, and Whitman, acting under the varied impulses of Puritanism, Romanticism and idealism, created the first universal vision of human experience to appear in American literature. PREREQ: Three credits of literature or PERM/CHAIR.

E 378 AMERICAN REALISM (3-0-3)(F/S). American literature from the Civil War to World War I. Mark Twain, Stephen Crane, Henry James, W. D. Howells, Kate Chopin, and fellow Realists wrote about the average person in the light of common day. Their works show how American writers were increasingly influenced by European realism, fiction, and art. PREREQ: Three credits of literature or PERM/CHAIR.

E 381 TEACHING SECONDARY WRITING, READING, AND LANGUAGE (3-0-3)(F). Study of traditional and modern theories and methods of teaching composition, language, and literature at the secondary level. PREREQ: Introduction to Language Studies Li 305.

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.P. Lovecraft, Steinbeck, and others. The major works, including: Western and Western types such as the mountain man, the cowboy, and the pioneer. PREREQ: Three credits of literature or PERM/CHAIR.

E 385 MODERN BRITISH AND AMERICAN FICTION (3-0-3)(F/S). Designed to acquaint both nonmajors and majors with typical themes, subject matter, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Ellison, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. PREREQ: Three credits of literature or PERM/CHAIR.

E 389 HISTORY OF ENGLISH AND AMERICAN DRAMA (3-0-3)(F). An analysis of the various dramatic confrontations between 20th century audiences and actors arranged by dramatists as far apart in their times, themes, and techniques as Shaw and Stoppard, O'Neill and Osborne. PREREQ: Three credits of literature or PERM/CHAIR.

E 390 FOLKLORE (3-0-3)(F/S). Study of what folklore is, its written and oral traditions, its different genres. PREREQ: Three credits of literature or PERM/CHAIR.

E 393 HISTORY OF ENGLISH AND AMERICAN CRITICISM (3-0-3)(F). A survey of critical approaches to literature from Plato to the twentieth century. PREREQ: A literature survey or PERM/CHAIR.

E 401 ADVANCED NONFICTION WRITING (3-0-3)(F/S). Advanced practice in nonfiction genres and style of writing. Students read and write from other writers. Emphasis with structure and audience selection. PREREQ: A literature survey or PERM/CHAIR.

E 402 ADVANCED TECHNICAL WRITING (3-0-3)(F/S). Advanced work in the research, writing, editing, and designing of technical documents. Major projects are related to each student's field of interest. Topics of study include editing technical documents, audience analysis, graphic design, and the rhetoric of technical writing. PREREQ: E 202 or PERM/CHAIR.

E 412-412G WOMEN WRITERS (3-0-3)(F/S). Literature by English speaking women, with special attention to cultural contexts, the themes and methods used by women writers to convey their visions of the world. PREREQ: Three credits of literature or PERM/CHAIR. Offered 1993/1994.

E 428-428G METHODS AND THEORIES OF LITERARY CRITICISM AND RHETORIC (3-0-3)(S). Major works and important contemporary literature, including poetry, drama, and prose of the European Renaissance. PREREQ: Three credits of literature or PERM/CHAIR.

E 501 APPPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). Designed to help teachers in the bilingual classroom or in teaching English. Topics include such as word meaning, language variation, language and cognition. Topics include word meaning, language variation, and grammars, bilingualism and language planning, and problems in teaching English as a second language. PREREQ: Three credits of literature or PERM/CHAIR.

E 502 ADVANCED SECONDARY WRITING, READING, AND LANGUAGE (3-0-3)(F). Advanced course in secondary school English. Primary emphasis is on critical reading of literature and the writing of critical essays. PREREQ: A literature survey or PERM/CHAIR.

E 510-510G HUMANITIES (3-0-3)(AREA I). The human intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHAIR.

E 511 LINGUISTICS (3-0-3)(F). An introduction to the study of language as a formal system of symbols with which we construct our thoughts. Topics include the nature of language, the structure of language, and the role of language in society. PREREQ: Three credits of literature or PERM/CHAIR.

E 512 APPLIED ENGLISH LINGUISTICS (3-0-3)(S). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, dictionaries and grammars, bilingualism and language planning, and problems in teaching English as a first and second language. PREREQ: Three credits of literature or PERM/CHAIR.

E 513 MODERN ENGLISH GRAMMAR (3-0-3)(F). An introduction to modern English grammar based on linguistic principles; will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar.

E 517 APPLIED ENGLISH LINGUISTICS (3-0-3)(F). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, dictionaries and grammars, bilingualism and language planning, and problems in teaching English as a first and second language.

E 560 APPLIED ENGLISH LINGUISTICS (3-0-3)(S). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, dictionaries and grammars, bilingualism and language planning, and problems in teaching English as a first and second language.

E 561 MODERN ENGLISH GRAMMAR (3-0-3)(F). An introduction to modern English grammar based on linguistic principles; will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar.

E 562 MODERN ENGLISH GRAMMAR (3-0-3)(S). An introduction to modern English grammar based on linguistic principles; will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar.
College of Arts and Sciences

Department of Geoscience
Mathematics-Geology Bldg., Rm. 104  Telephone (208) 385-1631
Chairperson, Professor: Monte D. Wilson; Professors: Bentley, Donaldson, Hollenbaugh, Pelton, Spinosa, Waag, White, Wood; Associate Professor: Snyder; UoI Assistant Professor: Osienksy; Visiting Research Professors: Dougherty, Gillerman, Zollweg.

Degrees Offered

- BS, Geology
- BS, Geophysics
- BS, Earth Science Education, Secondary Education
- MS, Geology: cooperative program with Idaho State University (See Graduate College for details)
- MS, Geophysics (See Graduate College for details)
- MS, Education, Earth Science emphasis (See Graduate College for details)

Special Information for Students

The curriculum leading to the BS degree in Geology is designed for those students who plan a career in Geology or who plan to attend graduate school. The curriculum leading to the BS degree in Earth Science Education is designed to prepare the student to teach Earth Science in secondary schools and to meet the teacher certification requirements of the State of Idaho. The curriculum has full national accreditation. The curriculum leading to the BS degree in Geophysics is designed for students who would like a career in Geophysics or who plan to attend graduate school. The curriculum offers a broad background of courses in Geology, Mathematics, Chemistry and Physics to support the Geophysics courses.

The curriculum leading to the MS in Education, Earth Science emphasis, is designed to provide advanced academic training in the topics of Earth Science to those students pursuing a teaching career. The curriculum has full national accreditation. Refer to Graduate College section. For details regarding the Master of Science in Geology and the Master of Science in Geophysics refer to the Graduate College section.

In addition to the courses formally offered in all degree programs, a student may acquire credit for independent study, internship, undergraduate or graduate thesis, or for participation in departmental research projects.

Nondegree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Science, Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Sociology, Anthropology and Psychology.

Degree Requirements

GEOLOGY MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements ........................................... 30

   NOTE: Area III is fulfilled by the major requirements below.

   Recommended Core Courses:
   - Area I, Foreign Language (201 or higher)
   - Area II, Economics, Geography

2. Major Requirements:
   - Geology and Geophysics ................................................................. 54
     Physical Geology GO 101 .......................................................... 4
     Historical Geology GO 103 ......................................................... 4
     Intro to Mineralogy GO 221 .................................................... 3
     Field Geology GO 280 ............................................................... 3
     Igneous & Metamorphic Petrology GO 323 .................................. 3
     Igneous & Metamorphic Petrography GO 324 ................................ 1
     Sedimentation & Stratigraphy GO 310 ........................................ 4
     Geomorphology GO 313 ............................................................ 3
     Structural Geology GO 314 ....................................................... 4
     Invertebrate Paleontology GO 351 .............................................. 3
     Geophysics GP 300 or GP 301 ................................................... 3
     Summer Field Camp GO 482 ...................................................... 4
     Summer Field Camp Report GO 483 ............................................ 2
     Senior Seminar GO 498 or 499 ................................................... 1
     Geology Electives ................................................................. 12

   College Chemistry C 131, 132, 133, 134 ...................................... 9
   Physics
   Option I: (Recommended for students planning graduate studies)
   Mechanics, Waves & Heat + Lab PH 211, 212 ................................ 5
   Electricity, Magnetism & Optics + Lab PH 213, 214* ....................... 5
   *Physical Chemistry & Lab C 321, 323 can be substituted for PH 213, 214
   Option II:
   General Physics PH 101, 102 ....................................................... 8
   Mathematics M 204, 205* or M 211, 212 .................................... 9-10
   (Mathematics through M 206 is recommended for students planning graduate studies.)
   *CS 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.
   Basic Surveying EN 215 or Cartography GG 220 .................. 2-3
   Free Electives ................................................................. 14-19

EARTH SCIENCE EDUCATION MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements .......................... 30-33
   English Composition E 101, 102 .............................................. 6
   Area I Core ................................................................. 12
   Area II Core (to include P 101, TE 201, GG 101) ............ 12
   Upper Division Electives .................................................... 0-3

2. Major Earth Science Requirements: .............................................. 35
   Physical Geology GO 101 ........................................................ 4
   Historical Geology GO 103 ....................................................... 4
   Intro to Descriptive Astronomy PH 105 ....................................... 4
   Intro to Oceanoigraphy GO 201 .................................................. 3
   Intro to Meteorology GO 213 ................................................... 3
   Mineralogy GO 221 ............................................................... 3
   Geomorphology GO 313 .......................................................... 3
   Petrology GO 323 ................................................................. 3
   Petrography GO 324 ............................................................. 1
   Senior Seminar GO 498 or 499 .................................................. 1
   Upper Division Geology courses or GG 331 or GP 300 ........ 6

3. Supporting Sciences & Mathematics: .............................................. 31
   College Chemistry C 131, 132, 133, 134 ................................ 9
   General Physics PH 101, 102 ................................................... 8
   General Botany BT 130 & General Zoology Z 130 ................. 9
   Algebra & Trigonometry M 111 .................................................... 5

4. Education Requirements for Secondary Education: .............. 27-33
   Intro Second Teach: Clsrm Obs TE 172 ...................................... 1
   Foundations of Education TE 201 ................................................ 1
   Educational Psychology TE 225 ................................................ 1
   Educ the Except Secondary Student TE 333 ...................... 1
   Reading in Content Subject TE 407 ............................................ 3
   Secondary School Science Methods TE 384 .............................. 3
   Secondary School Methods TE 381 ........................................... 3
   Secondary Student Teaching .................................................. 10-16

   NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

GEOPHYSICS MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements ........................ 30

   NOTE: Area III is fulfilled by the major requirements below.

2. Major Requirements:
   - Geophysics ................................................................. 21
     Gravimetric-Magnetic Methods GP 310 .................................. 3
     Electrical Methods GP 320 ................................................... 3
     Seismic Methods GP 330 ..................................................... 3
     Geophysics Field Camp GP 340 .............................................. 6
     Exploration Well Logging GP 410 .......................................... 3
     Geophysical App of Dig Sig Proc GP 420 .................................. 3
   - Geology ................................................................. 27
     Physical Geology GO 101 ....................................................... 4
     Historical Geology GO 103 .................................................. 4
     Intro to Mineralogy GO 221 .................................................. 4
     Field Geology GO 280 .......................................................... 3
     Igneous and Metamorphic Petrology GO 323 ................................ 3
     Igneous and Metamorphic Petrography GO 324 .......................... 1
     Sedimentation and Stratigraphy GO 310 .................................. 4
     Structural Geology GO 314 ................................................... 4
Recommended Programs

GEOLGY MAJOR

FRESHMAN YEAR

1st SEM | 2nd SEM
--- | ---
English Composition E 101, 102 | 3 | 3
College Chemistry C 131, 132, 133, 134 | 4 | 5
Physical Geology GO 101 | - | 4
Historical Geology GO 103 | - | 4
Algebra and Trigonometry M 111 | 5 | -
Calculus & Analytic Geometry M 204 | 16 | 17

SOPHOMORE YEAR

Cartography GG 220 or alternate | - | 3
Intro to Mineralogy GO 221 | 4 | -
Petrology GO 323 | - | 3
Petrography GO 324 | - | 1
Field Geology GO 280 | 3 | -
Mechanics, Waves and Heat + Lab PH 211, 212 | 5 | -
Calculus & Analytic Geometry M 205 or alternate | 4 | -
Are I & II Electives | 3 | 6
Area I & II Electives | 19 | 13

JUNIOR YEAR

Structural Geology GO 314 | - | 4
Sedimentation & Stratigraphy GO 310 | 4 | -
Geomorphology GO 313 | 3 | -
Geophysics GP 300 or GP 301 | 3 or 3 | -
Electives Area I & II | 6 | 3
Upper Div Geology & Geophysics Electives | 0-3 | 6-10
SUMMER OF JUNIOR YEAR

Summer Field Camp GO 482, 483 | 16-19 | 16-20

SENIOR YEAR

Senior Seminar GO 498 or 499 | - | 1
Area I & II Electives | 6 | 3
Free Electives at least 3 cr of upper division | 3 | 6
Invertebrate Paleontology GO 351 | 3 | -
Upper Div Geology & Geophysics Electives | 4 | 4
EARTH SCIENCE EDUCATION MAJOR

FRESHMAN YEAR

1st SEM | 2nd SEM
--- | ---
English Composition E 101, 102 | 3 | 3
General Botany BT 130 | - | 4
General Zoology Z 130 | - | 5
Physical Geology GO 101 | 4 | -
Historical Geology GO 103 | 4 | -
Mathematics M 111 | 5 | 2
General Psychology P 101 | 16 | 15

Department of Geoscience

SOPHOMORE YEAR

College Chemistry C 131-132, 133-134 | 4 | 5
Intro to Mineralogy GO 221 | - | 3
Petrology & Petrography GO 323, 324 | - | 4
Foundations of Education TE 201 | - | 3
Intro to Secondary Education TE 172 | 1 | -
Intro to Meteorology GO 213 | 3 | -
Area I Core Classes | 6 | 6
Area II Core Classes | 17 | 18

JUNIOR YEAR

General Physics PH 101, 102 | 4 | 4
Geomorphology GO 313 | - | 3
Intro to Oceanography GO 201 | - | 3
Secondary School Methods TE 381 | 3 | -
Secondary School Science Methods TE 384 | 3 | -
Upper Division Earth Science Elective | 3 | -
Educational Psychology TE 225 | 3 | -
Reading in Content Subject TE 401 | 3 | -

SENIOR YEAR

Area II Core Classes | 6 | -
Secondary Student Teaching | - | 10-16
Intro to Descriptive Astronomy PH 103 | 4 | -
Geology Seminar GO 498, 499 | 1 | -
Educ Except Secondary Student TE 333 | 1 | -
Electives | 0-3 | 0-3

Geophysics Major

FRESHMAN YEAR

1st SEM | 2nd SEM
--- | ---
English Composition E 101, 102 | 3 | 3
Physical Geology GO 101 | - | 4
Historical Geology GO 103 | - | 4
College Chemistry C 131 | 3 | -
College Chemistry I Lab C 132 | 1 | -
College Chemistry II C 133 | 4 | -
Calculus & Analytic Geometry M 204 | - | 4
Calculus & Analytic Geometry II M 205 | 4 | -
Calculus & Analytic Geometry III M 206 | 4 | -
Vector Calculus M 320 | 2 | -
Differential Equations M 331 | 3 | -
Lin Sys and Sig Proc CS 426 | 4 | -
Electives | 6 | -

JUNIOR YEAR

Geophysics Field Camp GO 340 | 3 | -
Geophysics App of Dig Sig Proces GP 410 | 3 | -
Area I or II | 6 | 3
Elective | - | 17

SUMMER OF JUNIOR YEAR

Department of Geoscience

SOPHOMORE YEAR

College Chemistry C 131-132, 133-134 | 4 | 5
Intro to Mineralogy GO 221 | - | 3
Petrology & Petrography GO 323, 324 | - | 4
Foundations of Education TE 201 | - | 3
Intro to Secondary Education TE 172 | 1 | -
Intro to Meteorology GO 213 | 3 | -
Area I Core Classes | 6 | 6
Area II Core Classes | 17 | 18

JUNIOR YEAR

General Physics PH 101, 102 | 4 | 4
Geomorphology GO 313 | - | 3
Intro to Oceanography GO 201 | - | 3
Secondary School Methods TE 381 | 3 | -
Secondary School Science Methods TE 384 | 3 | -
Upper Division Earth Science Elective | 3 | -
Educational Psychology TE 225 | 3 | -
Reading in Content Subject TE 401 | 3 | -

SENIOR YEAR

Area II Core Classes | 6 | -
Secondary Student Teaching | - | 10-16
Intro to Descriptive Astronomy PH 103 | 4 | -
Geology Seminar GO 498, 499 | 1 | -
Educ Except Secondary Student TE 333 | 1 | -
Electives | 0-3 | 0-3

Department of Geoscience

SOPHOMORE YEAR

College Chemistry C 131-132, 133-134 | 4 | 5
Intro to Mineralogy GO 221 | - | 3
Petrology & Petrography GO 323, 324 | - | 4
Foundations of Education TE 201 | - | 3
Intro to Secondary Education TE 172 | 1 | -
Intro to Meteorology GO 213 | 3 | -
Area I Core Classes | 6 | 6
Area II Core Classes | 17 | 18

JUNIOR YEAR

General Physics PH 101, 102 | 4 | 4
Geomorphology GO 313 | - | 3
Intro to Oceanography GO 201 | - | 3
Secondary School Methods TE 381 | 3 | -
Secondary School Science Methods TE 384 | 3 | -
Upper Division Earth Science Elective | 3 | -
Educational Psychology TE 225 | 3 | -
Reading in Content Subject TE 401 | 3 | -

SENIOR YEAR

Area II Core Classes | 6 | -
Secondary Student Teaching | - | 10-16
Intro to Descriptive Astronomy PH 103 | 4 | -
Geology Seminar GO 498, 499 | 1 | -
Educ Except Secondary Student TE 333 | 1 | -
Electives | 0-3 | 0-3

Department of Geoscience
Course Offerings

See page 20 for definition of course numbering system.

GG GEOGRAPHY

Lower Division

GG 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(F/S)(AREA I). A study of the distribution and character of cultural activities throughout the world with emphasis on man-land relationships.

GG 201 THE USE AND INTERPRETATION OF MAPS (3-0-3)(F/S). An intensive use and interpretation of a wide spectrum of map types, their advantages and limitations for students of various fields, such as Archaeology, History, Geology and Teaching.

GG 220 CARTOGRAPHY (1-6-3)(F/S). A study of the methods, concepts, techniques and instrumentation of map construction. Involves compilation and graphic presentation of data through the use of coordinate systems, map projections and scale. Lettering tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.

GG 221 GEOGRAPHY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Physical and cultural geography of the Pacific Northwest with emphasis on Idaho. Study includes the continuing physical, biological, social, political, and economic changes and the role of the region in relationships to the United States. Current problems and problem solving in accordance with the known resource base.

Upper Division

GG 301 HISTORICAL GEOGRAPHY OF THE UNITED STATES (3-0-3)(F/S). The course explores the changing physical and cultural landscapes of the United States through time and space and analysis of the various regions. Included is the study of the distribution and relationships between peoples, land and resources. PREREQ: GG 102, PERM/INST.

GG 311 WORLD ECONOMIC GEOGRAPHY (3-0-3)(F/S). Economic Geography is the study of the real distribution and variation of resources and human activity related to producing, exchanging and consuming commodities. Economic activities are studied in the context of where they occur, their regional characteristics and their relationship to national or international phenomena. PREREQ: GG 101 or PERM/INST.

GG 321 CONSERVATION OF NATURAL RESOURCES (3-0-3)(F/S). Informative study of resources, their use and relative values. Discussions will include perception, attitudes, character of resources, demand factors, social implications and population characteristics. Local and regional examples are emphasized. Local experts on conservation issues will serve as guest speakers. PREREQ: GG 101 or PERM/INST.


GG 340 GEOGRAPHY OF THE SOVIET UNION (3-0-3)(F/S). A study of physical and cultural phenomena that have shaped urban and rural landscapes of the fifteen republics of the USSR. PREREQ: GO 101 or GO 102, PERM/INST.

GG 359 REGIONAL GEOGRAPHY OF EUROPE (3-0-3)(F/S). Identification and study of physical and cultural regions of Europe. Climate, landforms, and soils along with resources, national groups, and political geography. PREREQ: GG 101 or GG 102, PERM/INST.

GO GEOLOGY

Lower Division

GO 100 FUNDAMENTALS OF GEOLOGY (3-2-4)(AREA III)(Field trip required). An introduction to the principles of Physical and Historical Geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in Geology, or Earth Science majors, and those non-science majors who plan an eight hour sequence in Geology.

GO 101 PHYSICAL GEOLOGY (3-2-4)(AREA III)(Field trip required). A study of the origin and development of the earth, its materials and processes. Topics include weathering, erosion, volcanism, earthquakes, landscapes and plate tectonics. Rocks, minerals and topographic and geologic maps are studied in the laboratory.

GO 103 HISTORICAL GEOLOGY (3-3-4)(AREA III)(Field trip required). A study of the prehistory and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. PREREQ: GO 101.

GO 105 ROCKS AND MINERALS (2-3-3)(F/S). A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are part of the course for those taking the class for credit. PREREQ: High school chemistry or PERM/INST.

GO 111 GEOLOGY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(Field trip required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. PREREQ: GO 103 or PERM/INST.

GO 201 INTRODUCTION TO OCEANOGRAPHY (3-0-3)(F/S). A general study of the physical and biological oceanography and ocean geology, including the physics of circulation patterns, waves, tides, and the sedimentation and biologic processes that occur in the various ocean environments. PREREQ: GO 103.

GO 213 INTRODUCTION TO METEOROLOGY (3-0-3)(F). A study of the weather phenomena in terms of origin, distribution and classification. Instruments and research methods are also investigated. PREREQ: GO 101.

GO 221 MINERALOGY (2-3-3)(F). A study of minerals, including crystal forms, atomic structure, chemical properties, and environments of origin. The laboratory meets twice each week. Lab exercises emphasize identification of minerals by observing their physical properties in hand specimens and utilizing their optical properties in oil mounts and thin sections. Several exercises involve use of the x-ray diffractometer. PREREQ: GO 101, COREQ: C 131.

GO 232 OPTICAL MINERALOGY (1-3-2)(F). The theory and application of the polarizing microscope to the examination of minerals in immersion media and primarily in thin sections. The study of crystal optics and the use of the petrographic microscope for the identification and quantitative examination of minerals. COREQ: GO 221.

GO 280 FIELD GEOLOGY (1-6-3)(F/Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair air photos, Brunton compass, and plane-table alidade for mapping. A detailed geologic map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, GO 102, COCORE: M 111.

Upper Division

GO 305 SOIL MECHANICS LAB (0-3-1)(S). Laboratory and field exercises on standard testing methods of engineering properties of soils: Atterberg limits, sieve and hydrometer analysis, engineering classification of soils and rock, compaction tests, field test for density, percolation rate, and soil strength. PREREQ: M 111 or equivalent. (Field Trip Required.)

GO 310 SEDIMENTATION AND STRATIGRAPHY (3-1-4)(S). The study of the transportation and deposition of sediments and their depositional environments. Emphasis is placed on the identification and correlation of sedimentary facies and on basin analysis. PREREQ: GO 103, GO 323.

GO 313 GEOMORPHOLOGY (2-3-3)(Field trips required). A study of the features of earth's surface such as beaches, rivers and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. PREREQ: GO 103, E 102.

GO 314 STRUCTURAL GEOLOGY (3-3-4)(S)(Field trips required). Fundamentals of descriptive, kinematic and dynamic analysis of structures within the Earth's crust, and a theoretical treatment of stress and strain. Laboratory problems in orthographic and stereographic methods, and solution of structural problems using geologic cross-sections. PREREQ: GO 280, M 111, GO 102, E 280.

GO 323 PETROLOGY (3-3-3)(S). A study of igneous, sedimentary, and metamorphic rocks with emphasis on methods of their classification, physical and chemical constraints on their origin, and their tectonic associations. PREREQ: GO 211, COREQ: GO 324.

GO 324 PETROGRAPHY (0-3-1)(S). A systematic study of igneous, sedimentary, and metamorphic rocks in hand specimen and thin section. The polarizing microscope is used extensively. The origins and histories of representative specimens are interpreted through examination of their mineral assemblages, textures, fabrics and alteration. PREREQ: GO 221, COREQ: GO 323.

GO 351 INVERTEBRATE PALEONTOLOGY (2-3-3)(F)(Field trips required). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hardpart morphology, ontogeny, phylogeny and taxonomy of geologically important groups. Laboratory work based on standard collections. Special project. PREREQ: GG 102 or GG 103, PERM/INST.

GO 403-403G ENGINEERING GEOLGY (3-3-3)(S)(Field trip required). Introduction to soil and rock mechanics. Slope stability analysis. Surface and subsurface exploration of sites. Geophysical and geohistorical considerations for construction projects. Current applications of geology to engineering projects. Alternate years. PREREQ: GO 280, PH 102 or PH 211, GO 323 or PERM/INST.


GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)(Alternate years)(Field trip required). A study of the geometric properties of deformed rocks, their measurement and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonics, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of tectonic styles of deformation of different geologic provinces throughout North America. PREREQ: GO 314.
GO 421 ORE DEPOSITS (2-3-3)(F). Field trips required. Genesis, structure, association and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand-specimen study.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S). The course emphasizes geologic, engineering and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting data pertinent to exploration for and development of mineral deposits will be emphasized. Field trips required.

GO 431-431G PETROLEUM GEOLOGY (2-3-3)(F). Field trips (Alternating years). A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. PREREQ: GO 101, 311, 314.

GO 450-450G GEOLOGY OF NATIONAL PARKS (3-0-3)(S). A systematic study of geologic materials, structures, processes, and landforms in the National Parks. The course is structured by geological regions and emphasizes geologic knowledge as a key to greater appreciation and understanding of these scenic areas. PREREQ: GO 103. Offered (Odd years.)

GO 460-460G VOLCANOLOGY (2-0-2)(F). Field trips (Alternating years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcanic-geochemical relationships will be emphasized. An independent project pertaining to volcanoes or volcanic rocks will be required of all students taking the course for graduate credit. PREREQ: GO 323.

GO 471-471G REGIONAL FIELD STUDY (1, 2, or 3 CFR/F/SSU). Field trips and field exercises to study geology of classic localities in North America. Review of pertinent literature and maps, recording of geologic observations and the preparation of a comprehensive report on the geology of the areas visited. PREREQ: GO 103 or PERM/INST.

GO 482 GEOLOGY SUMMER FIELD CAMP (0-0-4)(SSU). The study of geology in its natural environment, the field. Emphasis is upon geologic mapping, the collection, plotting and analysis of data to solve geologic field problems, mapping on aerial photograph and topographic base. Student should expect to be in the field 6-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelor of Science) at BSU must take COREQ: GO 483.

GO 483 GEOLOGY SUMMER FIELD CAMP REPORT (0-0-2)(SSU). A comprehensive geologic report, map and cross-section based upon mapping experiences at summer field camp. Map, report and cross-section must be of professional quality. COREQ: GO 482.

GO 493 INTERNSHIP (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give a conclusive result. Project may be substituted for GO 480 upon approval of a written proposal by a committee of three department faculty members. PREREQ: Senior Standing.

GO 498, 499 GEOLOGY SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. PREREQ: Geology, Geophysics or Earth Science Education major.

GP GEOPHYSICS

Upper Division

GP 300 PHYSICS OF THE EARTH (3-0-3)(F). The course will include a discussion of the earth's gravity, magnetism, electricity, seismicity, heat and radioactivity and the significance of these properties in understanding the complexities of the earth. Alternating years. PREREQ: PH 102.

GP 301 INTRODUCTION TO APPLIED GEOPHYSICS (3-0-3)(F). A survey of surface-based geophysics methods, including elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, and electrical techniques. Applicability of various techniques to exploration geology (economic and petroleum), engineering geology and groundwater geology will be stressed. Alternating years. PREREQ: PH 102, GO 101.

GP 310-310G GRAVIMETRIC AND MAGNETIC METHODS (3-0-3)(F). Basic potential field theory, instrumentation, reduction of observed data, methods of data interpretation. Applications to petroleum and mineral exploration, geophysical well logging, seismic reflection data, and surface geologic maps. Field and laboratory exercises. PREREQ or COREQ: GO 310.

GP 410-410G EXPLORATION WELL LOGGING (2-3-3)(F). Fundamentals of geophysical and geological well logging applied to petroleum, mineral, and groundwater exploration, and engineering site evaluation. Conventional interpretation of logs in sedimentary sections; special consideration for logs in igneous, metamorphic, and fresh-water sections. Lithologic description, natural gamma-ray, formation, density, resistivity, and sonic logging. Integration of well logging, seismic reflection data, and surface geologic maps. Field and laboratory exercises. PREREQ or COREQ: GO 310.


GP 430-430G MATHEMATICAL MODELING IN GEOPHYSICS (3-0-3)(S). Examination of useful mathematical methods in geophysics including statistical analysis of aeromagnetic anomalies, the Dirichlet problem and continuation of potential fields, wave equation migration in reflection seismology, formulation of geotomographic inverse problems in terms of the Radon transform. Emphasis is on problem solving and the development of skills in applied mathematics. PREREQ: M 331.

GS GENERAL SCIENCE

GS 385 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3)(S). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science—both as subject matter and as processes of scientific inquiry. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching.

Department of Mathematics

Math-Geology Bldg., Rm. 202 Telephone (208) 385-1172
Chairperson and Associate Professor: Stephen Grantham; Professors: R. Anderson, Eastman, Hausrath, Hughes, Jula, Kerr, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; Associate Professors: Ayers, Ferguson, Griffin, Kenny; Assistant Professors: M. Anderson, Bartoszyński, Feldman, Jarrat, Scheepers.

Degrees Offered

• BS in Computer Science
• BA or BS in Mathematics
• BA or BS in Mathematics, Secondary Education option
• MS in Education, Mathematics emphasis: see Graduate College for further details.

Department Statement

The Department of Mathematics offers three Bachelor's degree options: Computer Science, Mathematics, Mathematics with Secondary Education option, along with a Master's degree program for junior and senior high school teachers. A student's course of study can be tailored to suit a particular interest in pure mathematics, applied mathematics, computer science, mathematics teaching, software engineering, statistics or operations research.

Degree Requirements

Bachelor of Science Degree

1. General University Requirements for BS degree.
2. Required BSU Computer Science courses (35 credits):
   a. Intro to Computer Science I CS 125 .................................................. 3
   b. Intro to Computer Science II CS 127 ............................................. 4
   c. Low-Level Programming CS 223 ................................................. 4
   d. Programming 'C' in UNIX Environment CS 227 .......................... 4
2. Mathematics Requirements: Lower Division

4. Required Mathematics courses (25-27 credits):
   a. Calculus M 204, 205, 206 ........................................... 13
   b. Discrete & Found Math M 156 ........................................ 4
   c. Linear Algebra M 301 .................................................. 4
   d. Intro to Statistics M 361 or Probability & Statistics M 431, 432 .... 6
   e. Foundations of Analysis M 314 ....................................... 3
   f. Foundations of Geometry M 311 ...................................... 3
   g. Calculus through M 206 or M 212 .......................... 13-10
   h. Linear Algebra M 301 .............................................. 4
   i. At least one of:
      1) Intro to Abstract Algebra M 302 .................................. 3
      2) Number Theory M 306 ............................................. 3
      4. Education Requirements—26-32 credits. See “Certification Requirements and Endorsements for Secondary Education”. (Page 125.)
   4. Education Requirements—26-32 credits. See “Certification Requirements and Endorsements for Secondary Education”. (Page 125.)
   NOTE: For those students planning to teach junior high school mathematics, M 103 is strongly recommended.

5. A year’s sequence from among the laboratory sciences (9-10 credits):
   a. Calculus through M 206 or M 212 .......................... 13-10
   b. Linear Algebra M 301 .................................................. 4
   c. At least one of:
      1) Intro to Abstract Algebra M 302 .................................. 3
      2) Number Theory M 306 ............................................. 3

3. Either 45 semester hours of Mathematics or 30 semester hours of Mathematics and an approved minor-certification area outside of Mathematics. (See page 127.)

MATHMATICS MAJOR
Bachelor of Arts or Bachelor of Science Degree
1. University Requirements for BS or BA Degree.

2. Mathematics Requirements: Lower Division
   a. M 204, M 205, M 206 or M 211, 212 Calculus ................ 13-10
   b. CS 125 Intro to Computer Science I ............................... 3

3. Upper Division Mathematics—27 credits including:
   a. M 301 Linear Algebra .................................................. 4
   b. One or more selections in at least 4 of the 5 following groups
      1) M 302 Introduction to Abstract Algebra ....................... 3
      2) M 314 Foundations of Analysis .................................... 3
      3) M 361 Fundamentals of Statistics or M 431, 432 Probability and Statistics .... 4-6
      4) M 306 Number Theory ............................................... 3
      5) M 406 Theory of Functions of a Complex Variable ............ 3
   c. One or more selections from the following sequence
      1) CS 354 Programming Languages .................................. 4
      2) M 401, 402 Advanced Calculus .................................... 6
      3) M 421 Fourier Series & Boundary Value Problems . .......... 3
      4) M 456 Linear Programming ........................................ 3
      5) M 431, 432 Probability and Statistics ............................ 6
      6) M 447, 442 Abstract Algebra ....................................... 6

   d. And a 400-level course (numbered below M/CS 490) in addition to those in the sequence selected.

All upper division mathematics courses numbered below M/CS 490 count toward the requirement of 27 upper division mathematics credits.

No more than 4 credits of the combined total of credits earned for courses numbered M/CS 490 through M/CS 499 can be used toward the 27 credits of upper division mathematics requirements.

MATHMATICS, SECONDARY EDUCATION OPTION
Bachelor of Science or Bachelor of Arts Degree
1. University Requirements for BS or BA Degree.

2. Mathematics Requirements:
   a. Intro to Computer Science I CS 125 ............................... 3
   b. Calculus through M 206 or M 212 .......................... 13-10
   c. Linear Algebra M 301 .................................................. 4
   d. At least one of:
      1) Intro to Abstract Algebra M 302 .................................. 3
      2) Number Theory M 306 ............................................. 3
   e. Foundations of Geometry M 311 ...................................... 3
   f. Foundations of Analysis M 314 ...................................... 3
   g. Statistics M 361 or both M 431, 432 ............................. 4-6
   h. Mathematical Modeling M 464 ....................................... 3

3. Either 45 semester hours of Mathematics or 30 semester hours of Mathematics and an approved minor-certification area outside of Mathematics. (See page 127.)

NOTE: For those students planning to teach junior high school mathematics, M 103 is strongly recommended.

4. Education Requirements—26-32 credits. See “Certification Requirements and Endorsements for Secondary Education”. (Page 125.)

4. Education Requirements—26-32 credits. See “Certification Requirements and Endorsements for Secondary Education”. (Page 125.)

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

MATHMATICS MINOR
Calculus & Analytic Geom M 204, 205, 206 .......................... 13
or
Accelerated Calculus M 211, 212 ..................................... 10

At least 9 credits in upper division mathematics (M prefix except for M 493 and 496) including at least one of the following.

9 Intro Abstract Algebra M 302 ........................................ 3
Number Theory M 306 .................................................. 3
Foundations of Geometry M 311 ....................................... 3
Foundations of Analysis M 314 ....................................... 3
Advanced Calculus M 401 ............................................... 3
Abstract Algebra M 441 .................................................. 3
TOTAL: 19-22

MATHMATICS TEACHING MINOR
Computer Science CS 122 or CS 125 .................................. 2-3
Calculus M 204 or M 211 ............................................... 5
Calculus M 205 or M 212 ............................................... 4-5
At least 10 of the following:
   a. Linear Algebra M 301 .................................................. 4
   b. Introduction to Abstract Algebra M 302 .......................... 3
   c. Foundations of Geometry M 311 ...................................... 3
   d. Fundamentals of Statistics M 361 .................................... 4
   e. Electives to complete 20 hours .................................... 3-6
TOTAL: 20

Suggested Programs

NOTE: These are only suggested programs. Not all courses are required.
f
considerations. Necessary. The following suggested program reflects these

JUNIOR YEAR

Area I or Area II .................................. 6
Abstr Alg M 441, 442 or Adv Calculus M 401, 402 .. 3 3

SOPHOMORE YEAR

Calculus M 205, 206 .................................. 4 4
Low-Level Programming CS 223 .................. 3 4
Program in 'C' in UNIX Environ CS 227 ....... 3 4
Mechanics, Waves & Heat PH 211, 212 ........ 5 5
Electricity, Magnetism & Optics PH 213, 214 .. 4 5
Digital Computer Fund & Lab XE 340, 344 .... 4 4
Area I or II ........................................ 3 3

TOTAL 16 16

JUNIOR YEAR

Discrete Mathematical Structures M 356 .......... 3 3
Linear Algebra M 301 ................................ 3 3
Operating Systems CS 353 ....................... 4 4
Data Structures CS 358 ............................. 4 4
Programming Languages CS 354 ................ 4 4
Intro Computer Graphics CS 341 ............... 3 3
Computer Organization XE 441 .................. 3 3
Area I or II ........................................ 6 3

TOTAL 16 16

SENIOR YEAR

Theory of Computation CS 461 .................... 3 3
Fund of Statistics M 361 ........................... 4 4
Systems Programming CS 451 .................... 4 4
Software Design & Implementation CS 471 .... 4 4
Database Theory CS 410 ........................... 4 4
Area I or II ........................................ 6 3
Other Elective ...................................... 4 4

TOTAL 17 15

MATHMATICS MAJOR

FRESHMAN YEAR

Calculus M 204, 205 .................................. 5 4
English Composition E 101, 102 or E 111, 112 .. 3 3
Discrete & Found Mathematics M 156 ............ 4 4
Intro Computer Science I CS 125 ............... 3 3
College Chemistry & Lab C 131, 132 .......... 4 4
Area I and Area II Core Requirements .......... 6 3

TOTAL 16 16

SOPHOMORE YEAR

Calculus M 206 ....................................... 4
Linear Algebra M 301 ................................ 4
Number Theory M 306 ................................ 3
Intro to Abstract Algebra M 302 ................ 3
Mechanics, Wave and Heat + Lab PH 211, 212 .. 3
Elec, Magnetism and Optics + Lab PH 213, 214 .. 3
Area I and Area II Core Requirements .......... 3 3

TOTAL 15 15

JUNIOR YEAR

Discrete Mathematical Structures M 356 .......... 3
Foundations of Analysis M 314 ................... 3
Foundations of Geometry M 311 ................ 3
Differential Equations M 331 ..................... 3
Fourier Series & Boundary Value Prob M 421 .. 3
Area I or Area II .................................... 6 6
Electives ......................................... 3 4

TOTAL 18 16

SENIOR YEAR

Abst Alg M 441, 442 or Adv Calculus M 401, 402 .. 3 3
Probability & Statistics M 431, 432 ............... 3 3
Numerical Analysis M 410 ........................ 3
Linear Programming M 456 ........................ 3
Senior Seminar M 498 ............................. 1 1
Electives ......................................... 6 6

TOTAL 17 16

MATHEMATICS, SECONDARY EDUCATION

In order for students to complete the requirements for the Secondary Education Degree, careful course scheduling and ordering are necessary. The following suggested program reflects these considerations.

Course Offerings

See page 20 for definition of course numbering system

Upper-division courses are frequently offered nights and summers — students should consult the department the preceding August to request a spring-semester night upper-division class; the preceding October to request a summer upper-division class, and the preceding December to request a fall-semester night upper-division class.

Availability of courses depends on enrollment: courses may be offered, but not taught if the enrollment is insufficient. Summer classes are especially uncertain in this regard.

CS COMPUTER SCIENCE

Lower Division

CS 109 INTRODUCTION TO COMPUTERS (3-1-4)(S). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer architecture and programming. Designed for non-science majors. PREREQ: Satisfactory score on mathematics placement examination.

CS 122 A FIRST COURSE IN PROGRAMMING (2-0-2). Programming using a conversational language such as BASIC with a small computer. PREREQ: Satisfactory score on mathematics placement examination.

CS 124 DIGITAL COMPUTER PROGRAMMING (2-0-2), Beginning FORTRAN. See EN 104. Credit cannot be obtained for both CS 124 and EN 104.

CS 125 INTRODUCTION TO COMPUTER SCIENCE I (3-0-3)(F,S). Basic concepts of computer systems, problem solving and algorithm development, program structures, data types, and data and procedure abstractions, and program development. PREREQ: M 111 or M 106 or PERM/INST.

CS 127 INTRODUCTION TO COMPUTER SCIENCE II (4-0-4)(F,S). Programming methodology (specification, design, coding, and corrections), the implementation of abstract data types, recursion, dynamic data structures, searching and sorting. PREREQ: CS 125 or PERM/INST.

CS 223 LOW-LEVEL PROGRAMMING (3-0-3)(F). An introduction to low-level programming. Data representation, machine instructions, addressing modes, linking, macros, system calls, use and operation of assemblers and basic computer architecture. PREREQ: CS 127 or PERM/INST.

CS 227 PROGRAMMING IN 'C' IN THE UNIX ENVIRONMENT (4-0-4)(S). Students will learn the ‘C’ programming language on the University’s UNIX-based computers. They will learn how to use UNIX and some of the development tools available under the UNIX operating system. PREREQ: CS 127 or PERM/INST.
Upper Division

CS 341 INTRODUCTION TO COMPUTER GRAPHICS (3-0-3)(S). The mathematics and programming techniques of computer graphics, including line drawing, presentation graphics, two- and three-dimensional transformations, hidden line and surface removal, clipping. PREREQ: M 206 or M 212 and CS 125.

CS 353 OPERATING SYSTEMS (3-0-3)(F). File systems and buffer caching algorithms. Memory management. Process structure, control and scheduling algorithms. Interprocess communication techniques. PREREQ: CS 233 or PERM/INST.

CS 354 PROGRAMMING LANGUAGES (4-0-4)(F). A comparison of current languages (such as FORTRAN, ICON, LISP, ADA), their programming and design. Syntax and semantics. Information binding, strings, arithmetic, input/output. Recursion, extensibility. PREREQ: CS 127 or PERM/INST.

CS 358 DATA STRUCTURES (4-0-4)(S). The representation of data, lists, stacks, queues, storage mapping, tree structures, hierarchic data structures, recursion, searching and sorting, codes, data structures in programming languages. PREREQ: CS 127 and M 156 or PERM/INST.

CS 410 DATABASE THEORY (4-0-4)(S). A study of the theoretical foundations of database management systems. Design and implementation of alternatives for various database models, including, but not limited to, hierarchal, network and relational models. Comparison of the reliability, security and integrity of various database systems. Implementation of a simple system. PREREQ: CS 358 or PERM/INST.

CS 426 LINEAR SYSTEMS AND SIGNAL PROCESSING (4-0-4)(F). Introduction to linear systems and Fourier analysis of continuous and discrete signals. Examples of applications will be drawn from the physical, biological, and social sciences. PREREQ: M 331 and a knowledge of FORTRAN, BASIC, or Pascal or PERM/INST.


CS 461 INTRODUCTION TO THE THEORY OF COMPUTATION (3-0-3)(F). Grammars, automata, Turing machines, decidability and complexity, language hierarchies, normal forms, NP completeness, and reducibilities. Applications will be drawn from various areas of Computer Science. PREREQ: CS 358 or PERM/INST.

CS 471 SOFTWARE DESIGN AND IMPLEMENTATION (3-0-3)(S). A formal study of software design specification and verification processes. Students will implement a project. PREREQ: CS 451 or PERM/INST.

M MATHEMATICS

Lower Division

M 012 ARITHMETIC REVIEW (2-0-0)(F,S). A review course for those who have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area and volume.

M 020 ELEMENTARY ALGEBRA (3-0-0). A refresher course covering fundamental operations, linear equations and inequalities, exponents, polynomials, factoring, equations, quadratic formula. Designed to bring the student to the level of proficiency required for M 100, 103, 105, 108 or CS 122. PREREQ: Satisfactory score on mathematics placement examination.

M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-4)(F,S). Designed for liberal arts students. Emphasis is on the nature of mathematical knowledge, its meaning, methodology, and use. Generally topics will be selected from the elementary materials in set theory, logic, number theory, algebra, geometry, probability, statistics, graph theory. PREREQ: Satisfactory score on mathematics placement examination.

M 103 STRUCTURE OF ARITHMETIC FOR TEACHERS (3-2-4)(F,S). The study of number systems from the whole numbers through the reals: numeration, number operations, algorithms, and properties. The course includes a two-hour laboratory each week which makes use of physical models appropriate to the content of the course. PREREQ: High school geometry and a satisfactory score on the mathematics placement exam.

M 104 GEOMETRY AND PROBABILITY FOR TEACHERS (3-2-4)(F,S). Probability, geometric concepts and principles, measurement, and topics selected from graphing or computing. The course includes a two-hour laboratory each week. PREREQ: M 103.

M 105 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4)(AREA III). Matrices, systems of linear equations, graphing, linear programming, discrete probability. PREREQ: Satisfactory score on mathematics placement examination.


M 108 INTERMEDIATE ALGEBRA (4-0-4). Intermediate algebra with plane trigonometry. PREREQ: Satisfactory score on mathematics placement examination.

M 111 ALGEBRA AND TRIGONOMETRY (5-0-5)(AREA III). Equations and inequalities, systems of linear equations or inequalities, functions and their inverses, exponential and logarithmic functions, graphing, sequences, mathematical induction, binomial theorem, basic theory of equations, trigonometry of triangles, circular functions, inverse trigonometric functions, trigonometric identities, solution to trigonometric equations, and De Moivre's theorem. PREREQ: Satisfactory score on mathematics placement examination.

M 120 APPLIED STATISTICS WITH THE COMPUTER (4-0-4)(S). Pre-calculus treatment of probability and statistics. Emphasis on concepts and applications rather than on proofs. Use of available computer statistics packages to handle computations. PREREQ: M 108 or M 111.

M 156 DISCRETE AND FOUNDATIONAL MATHEMATICS (4-0-4)(F,S). Designed to prepare the student for both computer science and upper division mathematics. Discrete topics include elementary number theory and modular arithmetic, fundamental principles of combinatorial enumeration, and basic concepts of graph theory. Foundational topics include propositional and predicate logic, the nature of proof, mathematical induction, functions and relations. PREREQ: M 111 or PERM/INST.


M 206 CALCULUS AND ANALYTIC GEOMETRY (4-0-4)(AREA III). Three-dimensional analytic geometry and introduction to vector algebra and calculus of vector valued functions. Partial differentiation and multiple integration. PREREQ: M 205.

M 211 ACCELERATED CALCULUS (5-0-5)(AREA III). Analytic geometry, functions, limits. Differentiation and integration with applications, transcendental functions, methods of integration. M 211, 212 is an accelerated version of the three semester sequence M 204, 205, 206. The student must have a strong high school background or have completed either M 108 or 111 with a grade of A.


M 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2). Intermediate FORTRAN. See PH 225. Credit cannot be obtained for both PH 225 and M 225.

Upper Division

M 301 LINEAR ALGEBRA (4-0-4)(F,S). Matrix algebra, determinants, vector spaces and linear transformations. PREREQ: M 206 or 212.

M 302 INTRODUCTION TO ABSTRACT ALGEBRA (3-0-3)(S). Sets, groups, integral domains, rings and fields. PREREQ: M 206 or 212.

M 306 NUMBER THEORY (3-0-3)(S). Primes, congruences, Diophantine equations, residues, quadratic reciprocity and continued fractions. PREREQ: M 205 or 212.

M 311 FOUNDATIONS OF GEOMETRY (3-0-3)(F). Euclidean, non-euclidean, and projective geometries from an axiomatic point of view. PREREQ: M 205 or 212.

M 312 COMBINATORIAL GEOMETRY (3-0-3). Study of curves and surfaces in Euclidean space, topological equivalence of figures, topological spaces and metric spaces. PREREQ: M 205 or M 212. Odd-numbered years.

M 314 FOUNDATIONS OF ANALYSIS (3-0-3)(F). Logic, axiomatics, sequences, foundations of calculus, structure of the real numbers. PREREQ: M 206 or 212.

M 320 VECTOR CALCULUS (2-0-2)(F). Vector valued functions of one or several variables, line and surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. PREREQ: M 206 or 212.

M 331 DIFFERENTIAL EQUATIONS (3-0-3)(F). Theory of ordinary differential equations with applications to the physical sciences and engineering. PREREQ: M 205 or 212.

M 340 NUMERICAL ANALYSIS (4-0-4)(S). The application of numerical methods to problems in science and engineering. Determination of equations, error analysis. Approximation of functions, error analysis. PREREQ: M 206 or M 212 and a working knowledge of BASIC, FORTRAN or PASCAL.

M 356 DISCRETE MATHEMATICAL STRUCTURES (3-0-3)(F). The study of fundamental logical and combinatorial concepts from mathematics useful in abstracting ideas in other disciplines. Special emphasis will be placed on applications to computer science. Topics are: combinatorics with emphasis on enumeration, logic, graphs, relations, sets, directed graphs, trees, and networks. PREREQ: M 206 or 212 or PERM/INST.

M 361 FUNDAMENTALS OF STATISTICS (4-0-4)(F). Discrete probability, random variables, distributions, central limit theorem, descriptive statistics, regression and correlation, tests of hypotheses, design of experiments and sampling surveys. PREREQ: One of M 106, 205, 212.

M 401-402 ADVANCED CALCULUS (3-0-4)(F,S). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, and infinite series. PREREQ: M 314
Scholarship endowments have been given in the names of Elizabeth Bowen, Ava Brinck, Margaret Drake, Lucille Lippincott, Martha S. Reese, and the Boise Choristers.

**Music Major Programs:** The Music Department offers two Bac-

calaureate Degree programs which students may choose between, and 
one Graduate Degree program.

1. The Bachelor of Music Degree is essentially a professional music 
degree with emphasis in Performance, Theory-Composition, or 
Music Education. 
   a. Major emphasis in Performance or Theory-Composition: 
      designed to train performers, performing artists, teachers, and 
      composers, this program is basic to preparing students for 
      graduate work in the performing, creative, and college or univer-
      sity teaching fields.
   b. Major emphasis in Music Education: designed to prepare stu-
      dents for music teaching careers in the secondary and elemen-
      tary educational systems and also prepares students for graduate 
      work in Music.

2. The Bachelor of Arts Degree with Music major is designed for the 
   student who wants a general Music major program within a broader 
   based liberal arts degree.

**Degree Requirements**

**BACHELOR OF MUSIC PROGRAM**

1. General Requirements
   a. All full-time music majors will be required to attend Concert 
      Class during each semester of residency at Boise State Univer-
      sity until the required number of semesters of Pass grade in Con-
      cert Class has been achieved, as follows: Bachelor of Arts General 
      Music and Music/Business majors and Bachelor of Music Per-
      formance and Theory & Composition emphasis majors — 8 
      semesters, Bachelor of Music Education emphasis majors — 7 
      semesters (see course description for MA 010 for complete 
      details). All students will perform on their major instrument 
      before a faculty jury at the end of each semester. Students 
      presenting MA 444, 445 or 446 recitals are exempt from faculty 
      jury during the semester in which the recital is given.
   b. All Bachelor of Music majors whose major instrument is other 
      than keyboard are required to pass, no later than the end of the 
      junior year, the Piano Proficiency Examination before a faculty 
      committee. A grade of C or better in MU 213 will satisfy this re-
      quirement. Details are available from the Music Department.
   c. All full-time Bachelor of Music majors will register in a major 
      ensemble (Symphonic Winds, University Orchestra, Meisters-
     ingers, University Singers, or keyboard or guitar majors the 
      appropriate course as specified), each semester until the 
      minimum number of semesters for graduation have been met. 
      Only one major ensemble per semester will be counted toward 
      graduation requirements.

   **Minimum ensemble requirements:**

   **Performance Majors:**
   - Keyboard — 8 semesters, 2 may be Accompanying.
   - Guitar — 8 semesters, 4 may be Guitar Ensemble.
   - Voice — 8 semesters, 2 may be Opera Workshop
   - Other — 8 semesters

   **Theory & Composition Majors:**
   - 8 semesters

   **Music Education Majors:**
   - 7 semesters

   Additional details are available from the Music Department.

d. The following core of Music courses will be included in all 
   Bachelor of Music curricula:
   - Concert Class MA 010 (attendance required each semester of full-time student 
     status until minimum number of semesters is met.)
   - Major Ensemble (see 'c' above)
   - Materials of Music I-IV MU 119* , 120, 219, 220

*Students intending to enroll in MU 119 must previously earn a C grade or better 
in MU 103 or make a satisfactory score on the Theory Placement test. See MU 119 
course description.)

**Department of Music**

Morrison Center, Room C-100 Telephone (208) 385-1771

Chairperson and Professor: Wilber D. Elliott; Associate Chairperson 
and Associate Professor: Donald Oakes; Professors: Baldwin, Hsu, 
Purcell, Seaton; Associate Professors: Baldassarre, Belby, Britt, C. 
Elliott, Rozmajzl, Samball, Schroeder; Assistant Professors: Berg, 
Maynard, Purdy, Thomason, Wells.

**Degrees Offered**

- BA and BM in Music
- BM in Music Education
- MM in Music Education and Performance/Pedagogy; See Graduate 
College for further details.

**Department Statement**

Gifts and Memorials to the Music Department: The Music Department has been the recipient of many fine gifts of instruments, music, scholar-
ship donations; and record collections from friends and supporters of the 
Department. Several Steinway pianos, including a 7' and 9' grand, 
are the generous gifts of Mr. and Mrs. William K. Dunkley and Dunkley 
Music Company of Boise. In the Hemingway Center for Western Studies 
Music has housed the J.W. Cunningham Memorial Pipe Organ, a three manual 
Austin Organ of 45 ranks and 54 registers, given to the University by 
Laura Moore Cunningham. It is used for concerts, teaching and prac-
tice purposes. The console for the Harry W. Morrison Memorial Carillon 
built by Maas-Rowe, is also in the Hemingway Center for Western Stud-
ies. Given as a memorial to her husband by Mrs. Velma Morrison, 
the Grand Symphony Carillon System chimes the hours and half-hours 
and daily plays short programs of carillon music.

Other gifts to the Music Department include several grand pianos, elec-
tronic equipment, instruments, record collections, scholarship endowments and music. The Music Department is grateful to these donors who 
have given so generously:

- Dr. & Mrs. Robert deNeufville
- Dr. & Mrs. Arthur C. Jones
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- Alice Gould
- Senator Len Jordan
- Marjorie Palmquist
- Mrs. Eli Weston

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- Mrs. Eli Weston

Degree Requirements

**BACHELOR OF MUSIC PROGRAM**

1. General Requirements
   a. All full-time music majors will be required to attend Concert 
      Class during each semester of residency at Boise State Univer-
      sity until the required number of semesters of Pass grade in Con-
      cert Class has been achieved, as follows: Bachelor of Arts General 
      Music and Music/Business majors and Bachelor of Music Per-
      formance and Theory & Composition emphasis majors — 8 
      semesters, Bachelor of Music Education emphasis majors — 7 
      semesters (see course description for MA 010 for complete 
      details). All students will perform on their major instrument 
      before a faculty jury at the end of each semester. Students 
      presenting MA 444, 445 or 446 recitals are exempt from faculty 
      jury during the semester in which the recital is given.
   b. All Bachelor of Music majors whose major instrument is other 
      than keyboard are required to pass, no later than the end of the 
      junior year, the Piano Proficiency Examination before a faculty 
      committee. A grade of C or better in MU 213 will satisfy this re-
      quirement. Details are available from the Music Department.
   c. All full-time Bachelor of Music majors will register in a major 
      ensemble (Symphonic Winds, University Orchestra, Meisters-
      ingers, University Singers, or keyboard or guitar majors the 
      appropriate course as specified), each semester until the 
      minimum number of semesters for graduation have been met. 
      Only one major ensemble per semester will be counted toward 
      graduation requirements.

   **Minimum ensemble requirements:**

   **Performance Majors:**
   - Keyboard — 8 semesters, 2 may be Accompanying.
   - Guitar — 8 semesters, 4 may be Guitar Ensemble.
   - Voice — 8 semesters, 2 may be Opera Workshop.
   - Other — 8 semesters

   **Theory & Composition Majors:**
   - 8 semesters

   **Music Education Majors:**
   - 7 semesters

   Additional details are available from the Music Department.

d. The following core of Music courses will be included in all 
   Bachelor of Music curricula:
   - Concert Class MA 010 (attendance required each semester of full-time student 
     status until minimum number of semesters is met.)
   - Major Ensemble (see 'c' above)
   - Materials of Music I-IV MU 119*, 120, 219, 220

*Students intending to enroll in MU 119 must previously earn a C grade or better 
in MU 103 or make a satisfactory score on the Theory Placement test. See MU 119 
course description.)
4. Music Education Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree

---
- 256 Vocal Techniques and Methods will satisfy this requirement.
- At least one course in Mathematics selected from the following:
  - M 100 Mathematics for Liberal Arts Students
  - CM 111 Fundamentals of Speech Communication

b. Music Requirements

(1) Music Core

---
- Functional Piano MU 213
- Music History & Literature I-III MU 351, 352, 353

(2) Performance Studies (to qualify students for Idaho State Certification for Elementary School Music Specialist)

---
- Senior Recital MA 446
- Junior Project

(3) Additional Upper Division Courses

---
- Band Arranging MU 455
- Counterpoint MU 423, 424
- Major Instrument Pedagogy I, II MU 463, 464
- Senior Recital MA 446
- Vocal Tech & Meth MU 256
- Choral Methods & Mater MU 385
- Choral & Instr Conducting MU 365, 366
- Instrumental Tech & Meth MU 368, 369
- Teaching Music in the Elem Classrm MU 372
- One-half Senior Recital MA 444

(5) Education College Requirements

---
- General Psychology P 101 (Area II)
- Foundations of Education TE 201 (Area II)
- Education Psychology TE 225
- Educ Except Secondary Student TE 333
- Reading in Content Subjects TE 407
- Secondary School Methods TE 381
- Secondary Student Teaching

b. Elective Credits

---
- Recommended Music Electives:
  - Functional Piano MU 213
  - Teaching Music in the Elem Classroom MU 372

The above requirements lead to state certification eligibility to teach music in the public schools. Specific details are available from the Music Department.

TOTAL 129

**Bachelor of Arts Program**

1. General Music Major Option

---
- General University and Basic Core Requirements for the Bachelor of Arts Degree
- Additional requirements lead to state certification eligibility to teach music in the public schools.

2. Minimum Music Requirements

---
- Concert Class MA 010 (each semester)
- Performance Studies MC
- Minor Music Electives (to support Senior Recital or Senior Project)

3. Theory-Composition Emphasis Minimum Requirements

---
- Music History & Literature I-III MU 351, 352, 353
- Senior Recital MA 446

4. Business Courses:

---
- A maximum of 33 credits in Business courses allowed

5. Required Courses

---
- Intro Financial Accounting AC 205
- Intro Managerial Accounting AC 206
- Legal Environment of Business GB 101
- Intro Management & Organizational Theory MG 301
- Salesmanship MM 101
- Principles of Advertising MM 203
6. Additional courses-electives
(upto 9 credits may be chosen from the following):
- Principles of Microeconomics EC 205
- Principles of Macroeconomics EC 206
- Intro to Management Information Systems IS 310
- Principles of Marketing MK 301
- Consumer Behavior MK 307
- *An Independent Study terminal project under faculty supervision with the approval of the Music Department Chairperson.

**MUSIC MINOR

Concert Class MA 010 (two semesters) ................................. 0
Materials of Music I & II MU 119, 120 ................................. 6
Ear Training I & II MU 121, 122 ................................. 2
Intro to Music MU 133 (Area I) .................................. 3
Major Ensemble ME 1− ........................................... 2
Choice of 2 semesters of Piano Class (MA 150), Voice Class (MA 180), or Begin Guitar and/or Interim Guitar Class (MA 127, 128) or Private Lessons (MC courses*) in any Instrument or Voice ................................. 2-4
Music Electives—Upper Division ................................. 5

TOTAL ................................. 20-22

*M courses are extra fee courses.

Graduate Work: Master of Music, Music Education Emphasis or Performance/Pedagogy Emphasis. Details may be found in the Graduate College Section of this Catalog.

Recommended Programs

PERFORMANCE EMPHASIS MAJORS

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<th>FRESHMAN YEAR</th>
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THEORY COMPOSITION MAJORS

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</table>

TOTAL CREDITS | 128 |

*M music minor instrument must be piano unless piano is the performance major.
**MU 313, 314 Keyboard Harmony is offered alternate years only. See catalog course description for details.

MUSIC EDUCATION EMPHASIS MAJORS

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TOTAL CREDITS | 128 |
### Junior Year
- **Concert Class MA 010**
- **Piano Class MA 150**
- **Functional Piano MU 213**
- **Private Lessons MC 2-2**
- **Major Ensemble ME 1,**
- **Materials of Music III, IV MU 219, 220**
- **Ear Training III, IV MU 221, 222**
- **Inst Tech & Meth MU 257 or 266**
- **Inst Tech & Meth MU 368 or 369**
- **Vocal Techniques MU 256**
- **Basic Conducting MU 261**
- **Music History I MU 351**
- **Orientation to Music Educ MU 271**
- **Foundations of Education TE 201 (Area II)**
- **Area I Electives**

### Senior Year
- **Concert Class MA 010**
- **Private Lessons MC 3-2**
- **Major Ensemble ME 3-**
- **Basic Form & Analysis MU 223**
- **Inst Tech MU 257 or 266**
- **Inst Tech & Meth MU 368 or 369**
- **Music History II, III MU 352, 353**
- **Choral Conducting MU 369**
- **Instrumental Conducting MU 366**
- **Band and Orch Meth MU 387**
- **Choral Methods MU 385**
- **Educational Psychology TE 225**
- **Foreign Language or Area III**

### Sophomore Year
- **Concert Class MA 010**
- **Private Lessons MC 1-2**
- **Major Ensemble ME 3-**
- **Basic Form & Analysis MU 223**
- **Inst Tech MU 257 or 266**
- **Inst Tech & Meth MU 368 or 369**
- **Music History II, III MU 352, 353**
- **Choral Conducting MU 369**
- **Instrumental Conducting MU 366**
- **Band and Orch Meth MU 387**
- **Choral Methods MU 385**
- **Educational Psychology TE 225**
- **Foreign Language or Area III**

### Upper Division
- **MA 307 Recorder Class (1-0-1/F/S)**: The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. **PREREQ: MA 107 OR PERMISSION.**
- **MA 327 Advanced Guitar Class (0-3-2/F/S)**: Study of music and technical problems in solo guitar playing; chord construction and progression, analysis of intervals, functional harmonic relationships, principals of guitar transcriptions, introduction of improvisation. Students must provide their own instrument. May be repeated once for credit. **PREREQ: MA 127 OR PERMISSION.**

### General Psychology P 101 (Area II)
- **C 1**
- **E 1**
- **M 0**
- **T 1**
- **U 1**

### Exercises in Musical Literature (MU 121, 122)
- **C 1**
- **E 1**
- **M 0**
- **T 1**
- **U 1**

### Materials of Music MU 119, 120 (Area I)
- **C 1**
- **E 1**
- **M 0**
- **T 1**
- **U 1**

### Functional Piano MU 213 (Area II)
- **C 1**
- **E 1**
- **M 0**
- **T 1**
- **U 1**

### Voice Class MA 180 (0-1-1/F/S)
- **C 1**
- **E 1**
- **M 0**
- **T 1**
- **U 1**

### Electives
- **Area I Electives**
- **Area I Literature**
- **Area I Electives**

### Total Credits
- **131-137**

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**College of Arts and Sciences**

**MA 010 Concert Class (0-1-0/F/S)**: Student, guest and/or faculty performances. Additional attendance at 10 concerts/recitals, including concert class, is required as part of this course: credit toward the concert/rectial attendance requirement is allowed for up to 5 concerts in which one is a performer. **(Pass/Fail)**

**MA 107 Recorder Class (1-0-1/S)**: The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit.
ME 120, 320 SYMPHONIC WINDS (0-5-1)(F/S). An elective open to all students.
ME 110, 310 VOCAL ENSEMBLE (0-2-1)(F/S). Designed to promote participation in and repertoire knowledge of literature for marching bands, the marching band performs at all home and at least one away football game and occasionally at other universities or civic events. Open to all students with the approval of the director. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the band and/or its organization.
ME 125, 325 BRASS ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small brass ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 122, 322 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small string ensembles. A public performance is required each semester. PREREQ: PERM/INST.
ME 141, 341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester.
ME 150, 350-350G ORCHESTRA (0-5-1)(F). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the orchestra and/or its organization. Audition is required for new students.
ME 160, 360 STRING ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small string ensembles. A public performance is required each semester. PREREQ: PERM/INST.
ME 167, 367 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitarists. PREREQ: PERM/INST.
of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello and string bass.

MU 261 BASIC CONDUCTING (0-2-1)(F/S). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading.

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

MU 271 ORIENTATION TO MUSIC EDUCATION (1-1-1)(F). A look at school music programs to include all levels: primary through secondary programs. Lab period devoted to visitation in public schools.

Upper Division

MU 313, 314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2)(F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. PREREQ: MU 120-122 and a grade of C or better in MU 213 Functional Piano, OR Piano Proficiency passed, OR 200-level private piano study.

MU 331 AMERICAN MUSICAL THEATRE (3-0-3)(F). An historical overview will be presented along with a look behind the-scenes work necessary in the presentation of musical theatre productions. Includes an in-depth look at all the responsibilities of the entire production crew, from promotion and box office to stage crews, and from make-up crews to cast.

MU 332 MUSICAL THEATRE PRODUCTIONS (0-10-4)(S). Specific apprenticeships in the operations of actual musical theatre productions will be given to gain experience in the practical application of knowledge learned in MU 331. Graded pass/fail. May be repeated twice for credit. PREREQ: MU 331, PERM/INST.

MU 351 MUSIC HISTORY AND LITERATURE I (3-0-3)(S). The analysis of the development of Western art music from early Christian times through the early Baroque era. Consideration of music from those periods as artistic entities, their relationships to contemporary societies, and as foundations for subsequent expressions. PREREQ: MU 120 and 143 or PERM/INST.

MU 352 MUSIC HISTORY AND LITERATURE II (3-0-3)(F). Encompasses the periods from the mid-Baroque through the early 19th century. Attention to the changes in music forms and genres through listening, score-reading, analysis and discussion. PREREQ: MU 351, MU 220 or PERM/INST.

MU 353 MUSIC HISTORY AND LITERATURE III (3-0-3)(S). Encompasses the music of the mid-19th century to the present. Attention to the changes in musical styles and aesthetics through listening, score-reading, analysis and discussion. PREREQ: MU 352 or PERM/INST.

MU 365 CHORAL CONDUCTING (0-2-1)(F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 366 INSTRUMENTAL CONDUCTING (0-2-1)(F). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. PREREQ: MU 261.

MU 368 PERCUSSION TECHNIQUES AND METHODS (1-2-2)(S). Primarily for music education majors, this course deals with methods and materials of teaching percussion instruments in the public schools, while providing the student with a basic performing technique on two or more of the percussion instruments.

MU 370 GUITAR FOR CLASSROOM TEACHERS (2-0-2)(F/S). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is placed on music composition, improvisation of popular folk songs and开发 the use of the guitar as a teaching tool for basic instructional purposes.

MU 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. PREREQ: Music Fundamentals MU 201 or equivalent.

MU 372 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2)(F). For music majors. Includes special methods and materials and teaching techniques for the elementary classroom music program. PREREQ: MU 271.

MU 385 CHORAL METHODS AND MATERIALS (1-2-2)(S). Designed for music education majors who wish to teach vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of chorals materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups.

MU 387 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2)(F). The study of the organization and administration of bands and orchestras at the secondary school level including instrument selection, parts assignments, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410, 410G ADVANCED FORM AND ANALYSIS (2-0-2)(F/S). Analysis of formal and structural elements of large binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 223 or equivalent or PERM/INST.

MU 423, 423G SIXTEENTH CENTURY COUNTERPOINT (3-0-3)(F). Study of 16th century counterpoint.outlines. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. Analysis/listening of music of the period. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

MU 424, 424G COUNTERPOINT SINCE 1600 (3-0-3)(F). Study and writing in contrapuntal styles from the Baroque period to the present day. Invertible counterpoint, canons, fugues, invention, guitar literature, section 3 vocal literature. PREREQ: Upper Division standing in performance.


MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR) (2-0-2)(F). A survey course to acquaint the student with the important literature in the piano for all periods. Piano literature; Section 2 guitar literature, Section 3 vocal literature. PREREQ: Upper Division standing in performance.


MU 464 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) II (2-0-2)(S). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and discussion involving pedagogical techniques. PREREQ: MU 463 Pedagogy I. Alternate years with MU 457.

MU 466-466G DICTATION FOR SINGERS I (2-0-2)(F). A course designed for singers, devoted to the understanding of the IPA (International Phonetic Alphabet) system and the learning of the rules of pronunciation in Italian, Latin and Spanish languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Odd-numbered years. PREREQ: 1 year of private studio voice.

MU 466-466G DICTATION FOR SINGERS II (2-0-2)(S). A continuation of MU 466 Dictation for Singers I, with emphasis on German, French and English languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Even-numbered years. PREREQ: MU 465 or PERM/INST.

MU 498 MUSIC SEMINAR (2-0-2)(F). A seminar project under faculty direction. PREREQ: Senior standing.

Department of Philosophy
Library, Room 206 Telephone (208) 385-3304
Chairperson and Professor: Alan Brinton; Associate Professors: Hrabison, Schoedinger; Special Lecturer: DiPietro.

Degrees Offered
• BA in Philosophy

Department Statement
Philosophy involves a reasoned attempt to answer questions which arise from reflection on basic concepts and assumptions about the world and our experience of it. Some of these questions are of obvious practical importance, for example, “How should moral decisions be made?” Others are more abstract, for example “What is the nature of knowledge (or reality, or goodness)?” Serious philosophical inquiry into such questions is typically grounded in careful study of the efforts of earlier thinkers; thus, an important aspect of the major is the study of the history of philosophy.

The undergraduate major in philosophy does not in itself prepare the student for a specific vocation. For students who aspire to academic careers in philosophy, the major provides the basis for graduate work in the field. For other students, it develops intellectual skills useful in life and in other fields of advanced study such as law, religion, and public affairs.
Degree Requirements

PHILOSOPHY MAJOR
Bachelor of Arts Degree

The program requirements for a major in Philosophy, in addition to the necessary requirements to obtain a Bachelor of Arts degree from Boise State, consist of 30 hours of Philosophy credit, of which are specifically required courses and 6 of which are electives from other courses in Philosophy. Philosophy majors should bear in mind that the university requires the completion of at least 40 hours of upper division credit by all graduating seniors. The courses required for a major in Philosophy are:

1. PY 101, Introduction to Philosophy
2. PY 121, Introduction to Logic
3. PY 211, Ethics
4. PY 305, Ancient Philosophy
5. PY 309, Modern Philosophy
6. PY 313, Twentieth Century Analytic Philosophy
7. PY 333, Metaphysics
8. PY 489, Senior Tutorial
9. Philosophy Electives (NOT PY 489)

TOTAL: 18

Course Offerings

See page 20 for definition of course numbering system

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3-0-3)(S)(AREA A). A general introduction to some basic philosophical problems and concepts, with attention to selected major philosophers and with an emphasis on philosophical methodology.

PY 121 INTRODUCTION TO LOGIC (3-0-3)(S)(AREA A). A study of the concepts and methods used in the analysis and evaluation of arguments, with emphasis on the structure of arguments.

PY 211 ETHICS (3-0-3)(S). An investigation of the validity of moral claims, the use of moral language, and the evaluation of classical efforts, e.g., utilitarianism, to provide a test of moral rightness.

PY 231 PHILOSOPHY OF RELIGION (3-0-3)(F). An introduction to basic philosophical issues connected with religious belief, such as the nature and existence of God, the problem of evil, miracles, and the significance of religious experience. Alternate years.

Upper Division

PY 305 ANCIENT PHILOSOPHY (3-0-3)(F). An introduction to the origins of Western philosophy in the ancient world, with emphasis on Plato and Aristotle. PREREQ: PY 101. Alternate years.

PY 307 MEDIEVAL PHILOSOPHY (3-0-3)(S). A survey of major developments in Western philosophy from St. Augustine through William of Ockham, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 309 MODERN PHILOSOPHY (3-0-3)(F). A survey of developments in Western philosophy from Descartes through Kant, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 313 TWENTIETH CENTURY ANALYTIC PHILOSOPHY (3-0-3)(F). A critical examination of the development of the analytic method in Anglo-American philosophy since 1900, with attention to selected figures such as Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101. Alternate years.

PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3)(S). An exploration of the nature of-conscious experience and the place of dread and choice in human existence, with emphasis on selected figures in the tradition of European philosophy established by Kierkegaard and Husserl. PREREQ: PY 101. Alternate years.

PY 333 METAPHYSICS (3-0-3)(F). An investigation of basic problems about the nature of reality. Possible topics include personal identity, the nature of mind, freedom and determinism, and the problem of universals. PREREQ: PY 101.

PY 335 EPISTEMOLOGY (3-0-3)(S). An investigation of basic problems concerning knowledge and the justification of belief. Possible topics include attempts to define knowledge and related concepts, the problem of skepticism, and the problem of other minds. PREREQ: PY 101. Alternate years.

Degree Requirements

PHYSICS MAJOR
Bachelor of Science Degree

The scope of the program is applied. However, flexibility is maintained in order to direct the student toward his desired objectives. If the student is interested in going on into graduate Physics, more Math and some independent study in Quantum Physics would be recommended. Depending on the particular field of interest in Physics, the student could select electives in Biology, Chemistry, Math or Geophysics.

Liberal Arts Option

1. General University and BS Degree Requirements
2. Major Requirements

Bachelor of Arts Degree

A. Physics

PY 337 AESTHETICS (3-0-3)(S). A course in the philosophy of the fine arts covering such topics as the existence and nature of works of art, aesthetic experience, artistic creativity, the species of aesthetic value, and the nature of beauty. Alternate years.

PY 404 SYMBOLIC LOGIC (3-0-3)(S). A study of techniques of validation in the propositional calculus and the predicate calculus, with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency of completeness. PREREQ: PY 121. Alternate years.

PY 406 PHILOSOPHY OF SCIENCE (3-0-3)(F). A study of philosophical issues raised by reflection on the nature of science and the results of scientific inquiry. PREREQ: PY 101 or 121. Alternate years.

PY 408 PHILOSOPHY OF LANGUAGE (3-0-3)(F). A study of basic concepts used by recent philosophers in thinking about language and its connections with thought and reality. Some attention may be given to discussions of language by traditional philosophers. PREREQ: PY 101 or 121.

PY 410 PHILOSOPHY OF MIND (3-0-3)(F). An examination of various solutions to the mind/body problem, the problem of other minds as well as related mental concepts. Problems of action theory may be explored. PREREQ: PY 101. Offered on demand.

PY 441 WESTERN POLITICAL THEORY PART I (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PY 442 WESTERN POLITICAL THEORY PART II (3-0-3)(F). Development of political thought since Machiavelli. PREREQ: PO 441. Alternate years.

PY 489 SENIOR TUTORIAL (3-0-3)(F). Directed research culminating in the writing of a Senior Essay to be approved by the members of the Philosophy faculty. PREREQ: Senior standing in Philosophy major.

Department of Physics

Science-Nursing Bldg., Rm. 318 Telephone (208) 385-3775

Degrees Offered

- BS in Physics
- BS in Physics, Secondary Education
3. A choice of one or more of the following for at least 4 credit hours:
   a. Linear Algebra M 301 ........................................ 4
   b. Vector Calculus M 320 ........................................ 2
   c. Numerical Analysis M 340 .................................... 4
   d. Fundamentals of Statistics M 361 .......................... 4
   e. Fourier Series & Boundary Value Prob M 421 ............ 3
   f. Probability & Statistics M 431 .............................. 3
   g. Linear System & Signal Processing CS 426 ................ 4
   
   C. Chemistry .................................................. 9

   D. Recommended Electives ...................................... 13

Secondary Option

1. General University Requirements ................................ 30

2. Major Requirements ........................................... 78

   A. Physics ...................................................... 34
      Mechanics, Waves and Heat PH 211 ...................... 4
      Mechanics, Waves and Heat Lab PH 212 .............. 1
      Electricity, Magnetism & Optics PH 213 ............ 4
      Electricity, Magnetism & Optics Lab PH 214 ....... 4
      Intro to Descriptive Astronomy PH 105 .......... 4
      Intro to Modern Physics PH 309 ...................... 3
      Intro to Modern Physics Lab PH 310 ............... 1
      Modern Physics PH 311, 312 ............................ 6
      Optics PH 332, 333 ....................................... 6
      Senior Lab PH 481 ......................................... 3

   B. Programming ................................................. 2
      Computer Program course, such as EN 104 or CS 122 .... 2

   C. Math .......................................................... 16
      Calculus Sequence M 204, 205, 206 .................. 13
      Differential Equations M 331 ............................ 3

   D. Chemistry C 131, 132, 133, 134 .......................... 9

   E. General Zoology Z 130 ..................................... 5

   F. General Botany BT 130 .................................... 4

   G. Recommended Electives ..................................... 6

   H. Possible Earth Science Elective ............................ 4

3. Education Requirements ........................................ 26-32

   Intro Sec Teach: Clsrm Obv TE 172 ...................... 1
   Foundations of Education TE 201 ........................ 3
   Educ Except Secondary Student TE 333 ................. 1
   Educational Technology TE 356 ............................ 2
   Educational Psychology TE 225 ............................. 3
   Read in Content Subjects TE 235 ......................... 3
   Secondary School Science Methods TE 384 ........... 3
   Secondary School Methods TE 381 ........................ 3
   Secondary School Teaching .................................. 10-16

   PHYSICS MINOR

   *Mechanics, Waves & Heat PH 211 ......................... 4
   Mechanics, Waves & Heat Lab PH 212 .................... 1
   Electricity, Magnetism & Optics PH 213 .............. 4
   Electricity, Magnetism & Optics Lab PH 214 ........ 1
   *Modern Physics PH 311, 312 ............................. 6
   One of the following ......................................... 3-4
      Analog Electronics Lab PH 301 ....................... 4
      *Intro Modern Physics PH 309, 310 .................. 4
      *Optics PH 332, 333, 334 ............................. 7
      *Mechanics PH 341 ....................................... 4
      *Electricity & Magnetism PH 381 .................... 3
      *Advanced Topics PH 422 .............................. 3
      *Math or other prerequisite.

   TOTAL 20-21

   PHYSICS MAJOR

   Bachelor of Science Degree
   
   1st SEM 2nd SEM

   FRESHMAN YEAR

   English Composition E 101, 102 .......................... 3 3
   College Chemistry C 131, 132, 133, 134 ........... 4 5
   Calculus & Analytic Geometry M 204, 205 .......... 5 4
   Electives .................................................... 2-3 3

   SOFTHMORE YEAR

   Electives .................................................... 3-4
   Area I or II Requirements .................................. 3

   TOTAL: 15-16 15-16

   JUNIOR YEAR

   Modern Physics PH 311, 312 ............................. 3 3
   Electronics Lab PH 301 .................................... 4
   Transducers PH 304 ........................................ 3
   Thermal Physics PH 432 ...................................... 3
   Optics PH 332-333 .......................................... 3
   Optics Lab PH 334 .......................................... 3
   Math course .................................................. 4
   Area I or II Requirements .................................. 3 3

   TOTAL 16 18

   SENIOR YEAR

   Electricity & Magnetism PH 381, 382 .................... 3 3
   Mechanics PH 341 .......................................... 4
   Senior Lab PH 481 .......................................... 3
   Advanced Topics PH 422 ..................................... 3
   Electives ..................................................... 3 4
   Area I or II Requirements .................................. 3 3
   Physics Seminar PH 499 ..................................... 1
   Math course .................................................. 4

   TOTAL 16 18

   Course Offerings

   See page 20 for definition of course numbering system

   PS PHYSICAL SCIENCE

   Lower Division

   PS 100 FOUNDATIONS OF PHYSICAL SCIENCE (3-2-4)(AREA III). Selected concepts of matter and energy that are widely applicable toward understanding our physical environment. A one-semester course for non-Science majors.

   Graduate

   PS 501 BASIC PHYSICAL SCIENCE FOR SCIENCE TEACHERS (3-0-3). An introduction to the basic ideas of Physical Science including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Concepts will be discussed and demonstrated with emphasis on methods that can be used in the classroom. Offered when there is sufficient demand.

   PH PHYSICS

   Lower Division

   PH 100 A CULTURAL APPROACH TO PHYSICS (3-3-4). Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics that have contributed to the development of western culture by their influence on philosophy, religion and technology.

   PH 101-102 GENERAL PHYSICS (3-3-4)(F/S)(AREA III). Mechanics, sound, light, heat, electricity, magnetism, and radioactivity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by forensic pre-dental and pre-medical students. PREREQ: Algebra and Trigonometry.

   PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-2-4)(F/S)(AREA III). An introduction to the basic ideas of Descriptive Astronomy including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Concepts will be discussed and demonstrated with emphasis on methods that can be used in the classroom. Offered when there is sufficient demand.

   PH 106 RADIATION PHYSICS (3-2-4)(F/S). Fundamental concepts of radiation physics involving structure of the atom, radioactivity, electricity, magnetism, and electromagnetic radiation. Includes the physical principles of magnetic resonance and diagnostic ultrasound.

   PH 109 (CS 109) INTRODUCTION TO COMPUTERS (3-2-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.
PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. PREREQ: M 111 or M 108.

PH 211 MECHANICS, WAVES, AND HEAT (4-1-4F) (AREA III). Kinematics, dynamics of particles, statics, momentum, rotational motion, wave motion, heat and thermodynamics. PREREQ: M 204. COREQ: PH 212. Must be concurrently taking or have taken M 205.

PH 212 MECHANICS, WAVES, AND HEAT LAB (0-3-1F) (AREA III). Lab to be taken concurrently with PH 211. Basic experiments in mechanics, wave motion, and heat. COREQ: PH 211.


PH 214 ELECTRICITY, MAGNETISM, AND OPTICS LAB (0-3-1S) (AREA III). Lab to be taken concurrently with PH 213. Basic experiments in electricity, magnetism, optics, and modern physics. PREREQ: PH 211. COREQ: PH 213.

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-6-2S). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on language and programming topics useful in the solution of science and engineering problems. Concentration will be on FORTRAN, but other programming languages will also be used. PREREQ: Knowledge of computer programming. COREQ: M 205 or M 106. Credit cannot be obtained from both PH 225 and M 225.

Upper Division

PH 301 ANALOG ELECTRONICS (2-6-4F). An introduction to basic electronic test instrumentation and to some of the more common discrete semiconductor devices and integrated circuits. Included are diodes, silicon control rectifiers, transistors, operational and instrumentation amplifiers, voltage regulators, timers, and analog-to-digital converters. The devices will be utilized in simple electronic circuits for rectification, amplification, waveform creation and other applications. PREREQ: PH 214.

PH 304 TRANSUDERS (1-6-3S). An introduction to some common devices used to convert energy forms into electrical signals and their appropriate signal conditioning. Included are photomultiplier tubes, photoductive cells, photodiodes, phototransistors, linear variable differential transformers, thermocouples, Hall Effect devices, strain gauges, piezoresistive elements. The IEEE-488 Bus and BUS Controller will be introduced and used throughout the course for data acquisition from the transducers. PREREQ: PH 225 & PH 301.

PH 309 INTRODUCTORY MODERN PHYSICS (3-0-3S). An introduction including wave motion with resonances, the Maxwell distribution, special theory of relativity, plus atomic, molecular, solid state, nuclear, and elementary particle physics. PREREQ: PH 213, M 206. COREQ: PH 310.

PH 310 INTRODUCTORY MODERN PHYSICS LAB (0-3-1S). Lab to be taken concurrently with PH 309. Experiments with resonances and basic modern physics including some computer simulations. PREREQ: PH 213, M 206. COREQ: PH 309.

PH 311, 312 MODERN PHYSICS (3-0-3F) (S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, nuclear, solid state physics and statistical mechanics. PREREQ: PH 213 M 331.

PH 332-333 OPTICS (3-0-3F) (S). An upper division course in geometrical and physical optics to include basics of electromagnetic theory, optical systems (including stops and pupils, lens aberrations, thin lenses, and fiber optics), polarization, interference, diffraction. Fourier optics, lasers, and holography. PREREQ: PH 213, M 311. COREQ: for PH 333 is PH 334.

PH 334 OPTICS LABORATORY (0-3-1S). Laboratory to be taken concurrently with PH 333. Experiments in optics to include optical systems, thick lenses, interference, diffraction, polarization, Fourier optics, image processing, and holography. COREQ: PH 333.

PH 341 MECHANICS (4-0-4F) (S). An upper division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. PREREQ: M 331 and PH 211.

PH 381, 382 ELECTRICITY AND MAGNETISM (3-0-3F) (S). Electrostatic fields, potential, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, vector potentials, Maxwell's equations, and electromagnetic radiation. PREREQ: PH 213, M 331.

PH 422 ADVANCED TOPICS (3-0-3F) (S). Selected topics from the major fields of physics such as astrophysics, nuclear, solid state, solar applications, biophysics or medical physics. PREREQ: Upper Division standing and PERM/INST and possible specific courses depending on topic. Offered on demand.

PH 432 THERMAL PHYSICS (3-0-3S). Discussion of temperature, work, specific heat and entropy. The laws of thermodynamics are discussed and applied to physical problems. Ideal gases, statistics, Gibbs free energy, and cryogenics will be studied. PREREQ: PH 213, M 331.
### Recommended Program

**THEATRE ARTS MAJOR**

*(Departmental Requirements indicated by asterisk)*

#### THEATRE EMPHASIS

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>FRESHMAN YEAR</td>
<td></td>
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<tr>
<td><em>Theatre Symposium TA 010</em></td>
<td>0</td>
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<tr>
<td><em>English Composition E 101, 102</em></td>
<td>3</td>
</tr>
<tr>
<td><em>Fitness Activity</em></td>
<td>1</td>
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<tr>
<td><em>Laboratory Science</em></td>
<td>4</td>
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<tr>
<td><em>Introduction to Theatre TA 107</em></td>
<td>3</td>
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<tr>
<td><em>Technical Theatre TA 117, 118</em></td>
<td>4</td>
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<tr>
<td><em>Intro Art or Music AR 103, MU 133</em></td>
<td>3</td>
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<tr>
<td>Reading and Study Skills TE 108</td>
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<td><strong>TOTAL</strong></td>
<td>15</td>
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#### SOPHOMORE YEAR

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<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td><em>Theatre Symposium TA 010</em></td>
<td>0</td>
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<tr>
<td><em>Literature Elective</em></td>
<td>3</td>
</tr>
<tr>
<td><em>Stage Voice TA 233</em></td>
<td>2</td>
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<tr>
<td><em>History of Western Civilization HY 101, 102</em></td>
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<td><em>Social Science Elective</em></td>
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<td><em>Laboratory Science</em></td>
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#### JUNIOR YEAR

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#### SENIOR YEAR

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<td><em>Directing</em></td>
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<td><em>Contemporary Theatre TA 445</em></td>
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*Departmental requirements.

### SECONDARY EDUCATION EMPHASIS

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<td><em>English Composition E 101, 102</em></td>
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<td><em>Fitness Activity</em></td>
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<td><em>Introduction to Theatre TA 107</em></td>
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<td><em>Intro to Secondary Education TE 172</em></td>
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<td><em>Shakespeare</em></td>
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<td>Foundations of Education TE 201</td>
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<td>Read in Content Subjects TE 407</td>
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<td><em>Educ Except Secondary Student TE 333</em></td>
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*Departmental Requirements.

**NOTE:** Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

### THEATRE ARTS MINOR

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<tr>
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<tr>
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<td>Acting TA 215</td>
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<tr>
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<tr>
<td>or Acting II TA 216</td>
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<tr>
<td>Major Production Participation TA 231, 331</td>
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<tr>
<td>Directing TA 401</td>
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### ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in this Catalog under the English Department heading.

*Liberal Arts Option:*
- Lower Division Literature | 9*
- One of the following | 3
  - Expository Composition E 201
  - Creative Writing, Poetry E 205
  - Creative Writing, Fiction E 206
- Upper Division Electives other than English Department Drama Courses | 6

*This requirement cannot be fulfilled by E 297, Special Topics Courses.*
Courses Applying to Both Disciplines
Shakespeare: Tragedies & Histories E 345 .............................. 3
Shakespeare: Comedies & Romances E 346 ......................... 6
Total in English Minor for Theatre Arts Major ....................... 24

Course Offerings

See page 20 for definition of course numbering system

TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit)/F/S. A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full-time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.

TA 105 PLAY ANALYSIS (3-0-3)/F/S. Analysis of plays, both modern and historical to provide tools for the student to read a text critically and creatively for use in production.

TA 107 INTRODUCTION TO THEATRE (3-0-3)/AREA I. A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and production techniques.

TA 117, 118 TECHNICAL THEATRE (3-4-4)/F/S. Provides the student with a practical knowledge and skill in the principles and techniques of technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions, development of drafting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

TA 162 STAGE MAKEUP (3-0-3)/F. Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of makeup and other technical aspects that influence this particular art. Practical application emphasized.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). For the theatre student and the experienced dancer. The first half of the semester covers improvisation, simple choreography and ballet barre work. The second half covers jazz warm-ups and choreography, culminating in a formal performance. The second half requires much out-of-class work. The class may be repeated once for credit. Maximum credits: 4.

TA 215, 216 ACTING (1-2-3). Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. Concomitant enrollment in TA 233 required for Theatre Arts majors enrolled in TA 215; and in TA 234 for Theatre Arts majors enrolled in TA 216.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.

TA 233 STAGE VOICE (2-0-2)/F/S. Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes.

TA 234 STAGE VOICE (2-0-2)/F/S. Basics of articulation with work on the articulatory mechanisms and individual American-English speech sounds. Line analysis in realistic stage speech and work on basic stage dialects. PREREQ: TA 233 or PERM/INST.

TA 287 CHILDREN'S THEATRE (3-0-3)/F. An examination of the literature, theory and history of theatre for children. Includes practical participation in an on-campus production of a play for children.

TA 288 TOURING CHILDREN'S THEATRE (3-0-3)/S. A concentrated study of the history and techniques of producing theatre for children. Specific emphasis on a single script selected for production and off-campus touring to local elementary schools.

Upper Division

TA 311 ADVANCED ACTING (3-0-3)/F/S. Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. PREREQ: TA 215, 216 or PERM/INST. Alternate years.

TA 318 METHODS OF TEACHING SECONDARY SCHOOL THEATRE (2-0-2)/S. Study of methods of teaching acting, play structure and theatre production at the secondary level. Twenty hours of directed observation required. PREREQ: TA 105, TA 216, TA 212 or TA 412.

TA 335 STAGE VOICE (2-0-2)/F/S. Advanced dialects and "character" voices. Interpretative work on vocal reaction in scene studies, verse drama, and Shakespeare. Final overview and individual analysis. PREREQ: TA 234 or PERM/INST.

TA 340 PLAYWRITING (3-0-3)/F. Experience in creating a play script for the theatre, culminating in the construction and staged reading of an original one-act. May be repeated for credit.

TA 341 WORLD DRAMA 500 BC-1642 (3-0-3)/F. Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 342 WORLD DRAMA 1642-1960 (3-0-3)/S. Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 351 ELEMENTS OF SCENIC DESIGN (3-0-3)/F. Major skills of beginning design. Included will be art techniques for the theatre, research in major periods of scenic design, examination of major designers' works, and practical experience in designing for all major types of stages. PREREQ: TA 117, 118.

TA 352 COSTUME DESIGN (3-0-3)/S. Major skills of beginning costume design, included will be art techniques for theatre, research in major periods of costume design, examination of major costume designers, works and practical experience in designing for all manner of productions. PREREQ: TA 117, 118. Alternate years.

TA 362 STAGE LIGHTING DESIGN (3-0-3). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. PREREQ: TA 117, 118. Alternate years.

TA 401, 402 DIRECTING (3-0-3). Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. PREREQ: Upper Division standing.

TA 415 ACTING STYLES (3-0-3)/F/S. This studio course is a concentrated study in acting styles; scene work from Shakespeare, Restoration, Moliere and absurdist. PREREQ: TA 215, TA 216, and TA 311. May be repeated for credit.

TA 421-422, 421G-422G THEATRE HISTORY (3-0-3)/F/S. Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through approximately 1550 AD; the second semester from the Elizabethan period through the end of the 19th century.

TA 440 THEATRE MANAGEMENT (3-0-3). Operational procedures for high school, university, community and professional theatre. Includes consideration of organization, personnel, budgeting, purchasing, accounting, ticket sales, publicity, audience development, house management and season development. (Even numbered years.)

TA 445 CONTEMPORARY THEATRE (3-0-3)/S. A study of world theatre and drama since 1960 with an emphasis on current research materials and techniques. Alternate years.

TA 491 SENIOR PROJECTS (3-0-3)/F/S. A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formal written, fully documented thesis describing his production and the concept involved. PREREQ: PERM/CHAIR.
The State Board of Education has designated the social sciences and public affairs as primary emphasis areas for Boise State University. In 1984 the College of Social Sciences and Public Affairs was established to meet this responsibility. The college contains nine academic departments:

- Anthropology
- Communication
- Criminal Justice Administration
- History
- Military Science
- Political Science
- Psychology
- Social Work
- Sociology

The college offers eighteen undergraduate and three graduate degree programs. The college cooperates with other units of the University in planning and conducting public affairs programs for students and the public. Included among such activities is the annual Frank Church Conference on Public Affairs, which brings distinguished national and international figures to the campus. The college also serves the people of Idaho through providing consulting services and research assistance on public issues.

The college's location in the state's population, business, and governmental center provides outstanding opportunities for students, including internships and other educational experiences unique in Idaho.

Survey Research Center
The Survey Research Center was established to conduct high-quality surveys for individuals, government agencies, and public interest groups and to fulfill the primary emphasis area in social sciences and public affairs mandated by the State Board of Education for BSU. Its goal is to provide research that will assist Idaho's citizens and policymakers in their efforts to solve state and local problems. The Center conducts the annual Idaho Policy Survey, an omnibus poll of Idahoans on major public policy issues.

Conflict Management Services
The center provides conflict management information to the general public and students; provides scholarly research service to students, practitioners, and agencies; conducts social and public policy analyses; provides referral services and technical assistance in the area of conflict resolution; conducts conferences and educational forums and provides support for conflict management programs and organizations; conducts or facilitates training; and provides support services for conflict management within the university.

Minors
CANADIAN STUDIES
The Canadian Studies Minor, consisting of 18 credit hours, of which six are required, is designed to complement any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their interest areas in Canadian Studies. Students in business, health, education and the liberal arts are encouraged to pursue the program. Upon successful completion of the 18 credit hours, the student will receive a certificate of completion, which will be noted on the transcript. (See page 30 for course descriptions.)

ANTHROPOLOGY
Physical Anthropology AN 101 .................................. 3
Cultural Anthropology AN 102 .................................. 3
Intro to Archaeology AN 103 .................................... 3
People & Cultures of the World AN 311 ......................... 3
Upper Division Anthropology Electives ........................... 9
TOTAL ..................................................................... 21
COMMUNICATION MINOR
Students majoring in another department may select a 25 hour Communication minor. At least 10 hours of the minor must be upper division credits. No more than 3 hours may be selected from CM 216, CM 218, CM 316. No more than a total of 3 hours may be selected from CM 114, 293, 314, 451 or 493.

MULTI-ETHNIC STUDIES
Intro Multi-Ethnic Studies SO 230 .................... 3
Minorities in U.S. History HY 261 .................... 3
Ethnic Literature Course .............................. 3
Ethnic Courses Electives: ............................ 12
TOTAL 21
*List of approved courses available from Program Supervisors.

POLITICAL SCIENCE
For students who wish to major in another field, the Department of Political Science offers an option of a minor in Political Science. The student must complete 21 credits in Political Science in addition to the requirements for their major. Students are required to take 9 credits of lower division Political Science courses, and 12 credits of upper division Political Science courses, from the following course offerings. Each student seeking this minor should be advised by the Department Chair in the Political Science department who must approve the list of courses.

NINE CREDITS FROM THE FOLLOWING COURSES:
American National Government PO 101 .................... 3
State & Local Government PO 102 .................... 3
Contemporary Political Ideologies PO 141 ............... 3
International Relations PO 231 .................... 3
Intro Political Inquiry PO 298 .................... 3

TWELVE CREDITS FROM THE FOLLOWING COURSES:
American Parties & Interest Groups PO 301 ............... 3
Public Opinion & Voting Behavior PO 302 ............... 3
Intro to Public Administration PO 303 .................... 3
Urban Politics PO 308 .................... 3
American Chief Executive PO 309 .................... 3
Public Finance PO 310 .................... 3
Comparative Foreign Policy PO 311 .................... 3
Legislative Behavior PO 312 .................... 3
American Policy Process PO 320 .................... 3
Intro to Comparative Politics PO 321 .................... 3
Comp Communist Party-State System PO 324 ............... 3
Politics of Industrialized Nations PO 329 .................... 3
American Political Theory PO 331 .................... 3
Comp Gov & Politics of Dev Nations PO 333 ............... 3
United States Foreign Policy PO 335 .................... 3
Constitutional Law PO 357 .................... 3
American Political Economy PO 361 .................... 3
Advanced Political Science Methods PO 398 ............... 3
International Law & Organization PO 421 ............... 3
International Political Economy PO 429 ............... 3
Western Political Theory I PO 441 .................... 3
Western Political Theory II PO 442 .................... 3
Comparative Legal Systems PO 451 .................... 3
Comparative Public Administration PO 465 ............... 3
Administrative Law PO 467 .................... 3
Intergovernmental Relations PO 469 .................... 3
Organizational Theory & Bureau Structures PO 487 ............... 3
Internship PO 493 .................... 3

Department of Anthropology

Hemingway Western Studies Ctr., Rm. 55 Telephone (208) 385-3403
Chairperson and Associate Professor: Mark G. Plew; Professor: Pavesic; Associate Professor: Cox.

Degrees Offered
BA in Anthropology
BA in Anthropology, Social Science, Secondary Education

Department Statement
The department is central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucia to the development of skills for critical analysis, problem solving and full participation in public affairs. The Department of Anthropology offers two (2) bachelors degree programs, a minor for teaching certification, a liberal arts minor, and participates in the Canadian Studies program.

Degree Requirements

ANTHROPOLOGY
Bachelor of Arts Degree

1. Liberal Arts Option
a. General University and Basic Core Requirements ................................. 3
b. ANTHROPOLOGY Total Requirements .................................................. 43

1. LOWER DIVISION COURSES .................................................. 15
   Physical Anthropology AN 101 ................................................. 3
   Cultural Anthropology AN 102 ................................................. 3
   Intro to Archaeology AN 103 ................................................. 3

2. UPPER DIVISION COURSES .................................................. 16
   History of Anthropology AN 401 ................................................. 3
   Elem Social Statistics SO 310 or equiv ........................................ 3

3. OTHER UPPER DIVISION COURSES ...................................... 22
   Select 9 credits from each of the following groups of courses:
   Group I Courses ................................................................. 9
      Human Variation AN 325 ................................................. 3
      Anthropology of Education AN 409 ........................................ 3
      Applied Anthropology AN 430 ................................................. 3
      Socio-Cultural Electives ................................................. 3
   Group II Courses ................................................................. 9
      Peoples of the Pacific Islands AN 305 ........................................ 3
      Indians of North America AN 307 ........................................ 3
      Indians of South America AN 308 ........................................ 3
      Peoples puppies of the World AN 311 ........................................ 3
      Indian Peoples of Idaho AN 315 ........................................ 3
      Ethnography Electives ................................................. 3
   Group III Courses ................................................................. 9
      African Prehistory AN 300 ................................................. 3
      European Prehistory AN 302 ................................................. 3
      Archaeology of North America AN 312 ........................................ 3
      Archaeology of South America AN 313 ........................................ 3
      Archaeology of Mesoamerica AN 319 ........................................ 3
      Seminar in Archaeology AN 421 ................................................. 3
   c. Recommended Electives: One year of a foreign language; a computer application course; and LI 405 Introduction to Linguistics.

2. Anthropology — Social Science, Secondary Education Option
The Social Science, Secondary Education Option degree programs are cooperative, interdisciplinary programs involving the Departments of Economics; History; Political Science; Sociology; and Anthropology. Each of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.

   a. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
   b. Must complete a minimum of 15 credits in each of two of the social sciences.
   c. Must complete six additional credits in U.S. History for certification requirements.
   d. Must complete 3 credits American National Government for certification requirements.

See the department listings for each of these departments for additional information.

   a. Anthropology Courses Total Credits ................................................. 30
      Required courses are the same as for the major less 3 credit hours in each of Groups I, II, and III, and SO 310 is not required.
   b. Secondary Education Requirements Total Credits .................................. 29-35
      Refer to Teacher Education Department
   c. State Department of Education Certification Requirements
      Social Studies ................................................................. 6
      U.S. History ................................................................. 6
      American National Government ................................................. 3
In addition to "C" above, the student must take at least 15 credits of which 9 must be Upper Division credits offered by any 2 of the following academic disciplines:

- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

Note: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

### 3. Anthropology Minor Option

#### a. Liberal Arts Minor

Completion of the following courses

- **AN 101 PHYSICAL ANTHROPOLOGY (3-0-3)** (Area II). An introduction to the fossil evidence for human evolution, genetics, modern human variation, the study of living primates, and the relationship between biology and culture. PREREQ: AN 101 or Upper Division standing. Offered even years.
- **AN 102 CULTURAL ANTHROPOLOGY (3-0-3)** (Area II). An introduction to the descriptions, analysis, and explanations of the different ways of life, or cultures, through which human groups have adapted to their environments. An explanation of the nature and characteristic of culture as an adaptive mechanism for human survival. PREREQ: Upper Division status or PERM/INST.
- **AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)** (Area II). An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories. (Area II.)
- **AN 300 AFRICAN PREHISTORY (3-0-3)**. A survey of the archaeology of Africa beginning with a discussion of Hominid origins and evolution. Emphasis upon culture history with reference to Oldowan, Acheulian, and Mousterian culture, the Later Prehistory and the Iron Age. Environmental adaptations, origins of food production and social complexity will be discussed. Offered odd years.
- **AN 302 EUROPEAN PREHISTORY (3-0-3)**. A survey of prehistoric European cultures complexity from the earliest Stone Age evidence through the Iron Age. Special emphasis will be given to ancient technology, economics, demography, art and social organization. PREREQ: AN 103 or Upper Division standing. Offered even years.
- **AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)**. A survey of the ethnographic area Oceania. Will include a study of the ethnographic data from the islands of Polynesia, Melanesia, Micronesia, from settlement to present time. PREREQ: Upper Division status or PERM/INST. Alternate years.
- **AN 307 INDIANS OF NORTH AMERICA (3-0-3)**. An ethnographic survey of the native peoples of North America emphasizing cultural diversity and adaptation. Ethnographic data will cover the time span from settling of North America to present. PREREQ: Upper Division status or PERM/INST.
- **AN 308 INDIANS OF SOUTH AMERICA (3-0-3)**. A survey and analysis of native South American cultures emphasizing cultural-environmental adaptations and historical events affecting the acculturation of the region's native peoples. PREREQ: AN 102, Upper Division status or PERM/INST.
- **AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)**. An ethnographic survey of selected cultures with emphasis on cultural diversity, cultural adaptation, and historical development. PREREQ: Upper Division status or PERM/INST.
- **AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)**. A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas and societal complexity on the continent. Special emphasis is given to the study of the human fossil record and present patterns of variability among humans. PREREQ: AN 101 or 102, Upper Division status or PERM/INST. Alternate years.
- **AN 313 ARCHAEOLGY OF SOUTH AMERICA (3-0-3)**. A comprehensive survey of the cultural history of South America from the earliest Paleo-Indians to the Peruvian high cultures. Emphasis is placed on regional chronologies, environmental adaptations, origins of American agriculture, social complexity and cultural change. PREREQ: AN 103, Upper Division standing or PERM/INST. Offered even years.
- **AN 315 INDIAN PEOPLES OF IDAHO (3-0-3)**. A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. PREREQ: Upper Division status or PERM/INST.
- **AN 319 ARCHAEOLOGY OF MESOAMERICA (3-0-3)**. A survey of precolombian cultures of Central America with an emphasis on Mexico. Special focus on the transition from Pre-Classic to Classic civilization with consideration of the Maya and Aztec. PREREQ: AN 103, Upper Division standing or PERM/INST. Offered even years.
- **AN 325 HUMAN VARIATION (3-0-3)**. An examination of human evolution during the past 5 million years with emphasis on evolutionary theory and both the human fossil record and present patterns of variability among humans. PREREQ: AN 101 or 102, Upper Division status or PERM/INST. Alternate years.
- **AN 401 HISTORY OF ANTHROPOLOGY (3-0-3)**. An historical investigation of scientific events leading to the development of the basic concepts, theory and methods of contemporary Anthropology. Major anthropological contributions by A.L. Kroeber, Margaret Mead, Franz Boas, Julian Steward, B. Malinowski, and others will be used as reference points for presented materials and classroom discussions. PREREQ: AN 102, Upper Division status or PERM/INST.
- **AN 409 EDUCATIONAL ANTHROPOLOGY (3-0-3)**. An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. PREREQ: AN 102, Upper Division status or PERM/INST.
- **AN 421 SEMINAR IN ARCHAEOLOGY (3-0-3)**. A survey of the philosophical and theoretical foundations of archaeology. Includes developments in methodology and technical advances as applied to archaeological research. PREREQ: AN 103, Upper Division status or PERM/INST. Alternate years.
- **AN 430 APPLIED ANTHROPOLOGY (3-0-3)**. Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary societies and institutions. PREREQ: AN 102, Upper Division status or PERM/INST.
- **AN 490 ARCHAEOLOGY FIELD SCHOOL (1-2-6)**. Six weeks on-site field training in the archaeological techniques of site reconnaissance and excavation. Focus will be placed on the observation, recording and recovery of field data. Instruction includes preliminary laboratory processing and artifact analysis. PREREQ: PERM/INST. Special fee required for room and board.

### Department of Communication

Communication Building, Room 100

Chairperson and Professor: Robert R. Boren
Professor: Cox, McLoskie, Mills, Parker; Associate Professors: Craner, McCorkle, Pitman, Rayborn, Rudd; Assistant Professors: Lutze, Morris, Wollheim; Instructor: Most.

#### Degrees Offered

- BA, Communication
- BA, Mass Communication/Journalism emphasis
- BA, Communication Training and Development emphasis
- BA, Communication, Secondary Education
- BA, Communication/English, Journalism emphasis
- BA, Communication/English, Humanities/Rhetoric emphasis
- MA in Communication (See Graduate College for details)

#### Department Statement

The Department of Communication provides a broad-based program which offers students an opportunity to develop an understanding of the basic processes involved when humans attempt to communicate with one another. We believe that all majors in communication should understand the basic principles and theories about human communication before they specialize in any particular area of communication. It is also our belief that after having gained the basic knowledge, students should be allowed to create programs which are best suited to meet their particular career and life plans. Therefore, the number of required courses is as limited as possible, and the student, working
with an advisor, selects sufficient additional courses to complete the requirements for a major.

A BA in Communication includes a common core of courses required of all Communication majors. Beyond the basic core, students may choose a combined major in Communication-English, or a communication emphasis area. Communication study is enriched through communication laboratory, the campus newspaper, the campus radio station, forensic activities, and on-the-job opportunities afforded through internships and practica.

**Degree Requirements**

**COMMUNICATION MAJOR**

**Bachelor of Arts Program**

1. Completion of general University requirements for Bachelor of Arts degree as listed in Part 3 of this Catalog.

2. All majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:

   - Introduction to Communication Study CM 115
   - Perspectives of Inquiry CM 201
   - Research Methods CM 302
   - Communication Seminar CM 498
   - Communication Lab CM 216, 316

   **Courses for Area of Emphasis** 26-36

   **TOTAL** 45-55

   **NOTE:** Students are encouraged to participate in practical communication applications such as internships and practica. Six internship credits may count toward departmental major requirements. Additional internship and practicum credits may count toward general education electives.

**Communication Emphasis**

1. General University Requirements 51

2. Departmental Core Requirements 19

3. Communication Electives 26-36

4. Other Electives 22-32

   **TOTAL** 128

**Mass Communication/Journalism Emphasis**

1. General University Requirements 51

2. Departmental Core Requirements 19

3. Mass Communication Requirements 12

   - Mass Media and Society CM 171
   - Mass Communication & Social Change CM 261
   - Mass Media and Cultural Form CM 262
   - Mass Comm Concepts and Perspectives CM 465

4. At least 3 courses from the following 9

   - Audio Production CM 263
   - Broadcast Writing CM 264
   - Video Production CM 267
   - Reporting & News Writing CM 273
   - Copy Editing CM 275
   - Photo Communication CM 277
   - Broadcast Management & Programming CM 365
   - Media Research CM 366
   - Advanced Media Production CM 367
   - Reporting Public Affairs CM 373
   - Communication Graphics CM 379
   - Feature Writing CM 473
   - Critical Writing CM 474
   - Studies in Journalistic Communication CM 480
   - Studies in Mass Communication CM 482
   - Media Ethics CM 460 or Mass Comm Lab CM 462
   - Political Comm CM 463 or New Comm Tech CM 464

   **TOTAL COMMUNICATION CREDITS** 46

**Communication, Secondary Education Emphasis**

1. General University Requirements 51

2. Education Requirements 29-35

   See Department of Teacher Education listing in the College of Education in this Catalog.

3. Departmental Requirements 45

   a. Departmental Core Requirements 19

   b. Required Emphasis Area Courses:
      - Reasoned Discourse CM 112
      - Internship in Directing Forensics CM 493
      - Interpersonal Communication CM 221

**TOTAL** 17-20

d. Nine credits chosen from any of the following:

   - Fundamentals of Speech Communication CM 111
   - Voice and Diction CM 121
   - Listening CM 131
   - Mass Media and Society CM 171
   - Public Speaking CM 231
   - Oral Interpretation CM 241
   - Communication in the Small Group CM 251
   - Reporting and News Writing CM 273
   - Interviewing CM 307
   - Speech Communication for Teachers CM 311
   - Rhetorical Theories CM 321
   - Message Analysis and Criticism CM 331
   - Nonverbal Communication CM 341
   - Intercultural Communication CM 351
   - Communication Graphics CM 379
   - Persuasion CM 412
   - Small Group Process CM 431
   - Communication Practicum CM 451
   - Media Ethics CM 460
   - Mass Communication Law CM 462

   **TOTAL** 45-48

d. Nine credits chosen from any of the following:

   - Methods of Teaching Communication CM 401
   - Communication Activities CM 114/314
   - Six credits chosen from the following presentation courses:
     - Oral Interpretation CM 241
     - Fundamentals of Speech Communication CM 111
     - OR Speech Communication for Teachers CM 311
     - Communication Practicum CM 451
     - Communication in the Small Group CM 251
     - TOTAL 17-20

**Suggested Extra-Departmental Elective Courses, as follows:**

- Introduction to Theatre TA 107
- Major Production Participation TA 231, 331
- Educational Technology TE 356

**Communication Training and Development Emphasis**

1. General University Requirements 51

2. Area I - Any Field 12

   - Literature
   - Humanities
   - Philosophy

3. Area II - Any Field 12

   - History
   - Prin of Microeconomics EC 205
   - P 101 or SO 101
   - Area II - Any Field

4. Area III - Any Field 12

   - Math for Business Decisions M 105, 106
   - Area III - Any Field

   Additional 9 credits chosen from:

   - AN 102, P 295, P 441, SO 210, SO 310, TE 208, TE 356

**2. Departmental Requirements**

- Departmental Core Requirements 19

   - Intro Comm Trng & Develop CM 255
   - Developing Communication Training CM 355
   - Methods of Teaching Communication CM 401
   - Additional Department Requirements 17

   At least one course chosen from each of the following:

   1. CM 231, 241, 311, 312
   2. CM 131, 221, 307, 341, 390
   3. CM 251, 361, 431
   4. CM 321, 351, 412
   5. CM 273, 263, 267
   6. CM 493 - Internship

**Department of Communication**

Students choosing the Communication Training and Development Emphasis must also complete an APPROVED MINOR in a related field,
CM 114 COMMUNICATION ACTIVITIES (1-0-1/F5). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking; or community speaking activities. PREREQ: Permission of the instructor. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 115 INTRODUCTION TO COMMUNICATION STUDIES (1-0-1/F5). Dimensions of human communication, historical and contemporary concepts, communication degree programs, and career opportunities. (PASS/FAIL)

CM 116 COMMUNICATION LABORATORY (1-1-2/F5). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies.


CM 122 INTRODUCTION TO SIGN LANGUAGE (3-0-3/F5). An introduction to Manual English sign system with emphasis placed on initial skills and on finger spelling, sign vocabulary and total communication. History and rationale will be covered.

CM 131 LISTENING (3-0-3/F5). Theory and practice of our most-used communication skill. Analysis of variables as they promote or impede the process of listening. CM 171 MASS MEDIA AND SOCIETY (3-0-3/F5). An examination of the nature of human communication. Focuses, through experiential learning, on awareness of self, communicative relationships and context. CM 211 INTERPERSONAL COMMUNICATION (3-0-3/F5). An examination of the nature of human communication. Focuses, through experiential learning, on awareness of self, communicative relationships and context. CM 231 PUBLIC SPEAKING (3-0-3/F5). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches. CM 241 ORAL INTERPRETATION (3-0-3/F5). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for a selection, and project that meaning to listeners.

CM 251 COMMUNICATION IN THE SMALL GROUP (3-0-3/F5). A study of human interaction in small groups. Emphasis on actual experience in working in small groups. Includes concepts in planning, preparing, and participating in group discussion and decision making.

CM 255 INTRODUCTION TO COMMUNICATION TRAINING AND DEVELOPMENT (3-0-3/F5). The history and evolution of communication and mass communication technologies, focusing on their role in the development of mass society. Traces social-cultural evolution from oral through written to electronic media. PREREQ: CM 171.

CM 261 MASS COMMUNICATION AND SOCIAL CHANGE (3-0-3/F5). The history and evolution of communication and mass communication technologies, focusing on their role in the development of mass society. Traces social-cultural evolution from oral through written to electronic media. PREREQ: CM 171.

CM 262 MASS MEDIA AND CULTURAL FORM (3-0-3/F5). An examination of the forms and cultural bases of mass media programs, the relationship between audiences and media products, and approaches to critical analysis of media products. PREREQ: CM 171.


CM 267 VIDEO PRODUCTION (3-0-3/F5). Theory and practice of studio and electronic field production, including camera and control room operation, lighting, staging, set design, producing and directing. Focus on the use of video technology as an effective means of human communication and self-expression. PREREQ: CM 262.

CM 273 REPORTING AND NEWS WRITING (3-0-3/F5). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis on accuracy, conciseness and clarity in writing. Study of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copy editing symbols. PREREQ: E 102 and ability to use typewriter or PERM/INST.
CM 277 PHOTO COMMUNICATION (2-2-3-F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcast. PREREQ: AR 251 or PERM/INST.

CM 278 COPY EDITING (3-0-3-ALTERNATE YEARS). Theory and practice in editing local and wire news, headline writing, proofreading, evaluating news, layout and design, video display terminal operation. Examination of Associated Press style, refinement of grammar. PREREQ: E 102 and ability to use typewriter or PERM/INST.

Upper Division

CM 300 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3S). Describes Canadian communication industries, issues and inquiry, especially the question of cultural identity for Canada. Discusses governmental communication policy as a tool for presenting national, regional and tribal identity. Examines Canadian scholars of communication. Cross listed as CN 300 for credit in the Canadian Studies Minor.

CM 302 RESEARCH METHODS (3-0-3/F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects. PREREQ: CM 201 or PERM/INST.


CM 311 SPEECH-COMMUNICATION FOR TEACHERS (3-0-3/F/S). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching; emphasis on various communication situations confronted by teachers and strategies for maximizing student-teacher relationships.

CM 312 APPLIED COMMUNICATION (3-0-3/F/S). An application of basic principles of communication to real-life situations involving current community problems and issues. PREREQ: CM 111.

CM 314 COMMUNICATION ACTIVITIES (1-0-1/F). Preparation for and participation in communication activities: intercollegiate debate competition, individual speech, and community speaking activities. PREREQ: PERM/INST. CM 314 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 316 COMMUNICATION LABORATORY (3-0-3/F/S). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of participation in workshops and short courses. PREREQ: CM 115. May not be taken concurrently with CM 216.

CM 321 RHETORICAL THEORIES (3-0-3/F/S). An examination of theories concerning the complexity of interaction among ideas, messages, and people, including analysis of various message strategies.

CM 322 INTERMEDIATE SIGN LANGUAGE (3-0-3/S). A continuation in building skills, vocabulary, and expressive signing techniques. A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover educational and social situations. PREREQ: CM 122.


CM 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3/F/S). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialog which reflect, reinforce, and alter public opinion.

CM 341 NONVERBAL COMMUNICATION (3-0-3/F/S). An examination of the function of non-verbal behavior codes in communication.

CM 351 INTERCULTURAL COMMUNICATION (3-0-3). An analysis of societal and cultural influences on interpersonal communication. A critical examination of communication within and among subcultures as well as across cultural boundaries.


CM 361 ORGANIZATIONAL COMMUNICATION (3-0-3/F/S). The application of communication theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.

CM 365 BROADCAST MANAGEMENT AND PROGRAMMING (3-0-3/F/S). Examines the workings of both commercial and public radio and television stations, including personnel, program formats, legal and public responsibilities.

CM 366 MEDIA RESEARCH (3-0-3/S). Development, interpretation and use of audience surveys, rating research, and program development and testing techniques.


CM 373 REPORTING PUBLIC AFFAIRS (3-0-3/F/S). Theory and practice of covering governmental and community affairs. Examination of the beat system and developing sources. PREREQ: CM 273 or PERM/INST.

CM 379 COMMUNICATION GRAPHICS (3-0-3) Alternate Years (F/S). Theory and practice of graphic design and production of mass media products. An exploration of visual communication, graphic information, design, paper, layout, printed and electronic images. PREREQ: AR 108, CM 275 or PERM/INST.

CM 390 CONFLICT MANAGEMENT (3-0-3/S). Examination of the causes of conflict, conflict management theory and conflict management techniques applied in interpersonal, intergroup, organizational and community settings. Discussion and skill development through experiential learning will focus on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation, and reconciliation. Students may not receive credit for both both SO 390 and CM 390. PREREQ: SO 290 or CM 111, Upper Division Standing.


CM 412 PERSUASION (3-0-3/F/S). Emphasis on theories of persuasion. Examination of variables and message strategies relevant to the persuasive process. Practical application of theory in the analysis and construction of persuasive messages.

CM 416 COMMUNICATION LABORATORY (2-0-2/F/S). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation.


CM 431 SMALL GROUP PROCESS (3-0-3/F). An advanced study of variables and theories affecting the communicative interaction of small groups.

CM 451 COMMUNICATION PRACTICUM (Var 1 to 4/F/S). Directed study emphasizing the practical application of theories relevant to mass media. An opportunity to focus on areas of special interest to the student. May be repeated for a total of four credits.

CM 460 MEDIA ETHICS (3-0-3/F). Examination of ethical issues in contemporary mass media. Particular emphasis is placed on the ethical dilemmas of contemporary media norms and practices in both entertainment and journalism.


CM 463 POLITICAL COMMUNICATION (3-0-3/F). A study of the uses of communication media in the political process, within and beyond the electoral context. Communication theory and strategy underlying attempts to influence public opinion, with attention to the role of symbols in political communication.

CM 464 NEW COMMUNICATION TECHNOLOGIES (3-0-3/S). Examination of new technologies, such as videodisc, satellite, interactive computer networks, and discussion of issues related to the impact of these technologies on the social, political and cultural environment.


CM 473 FEATURE WRITING (3-0-3/F/S). Non-fiction writing of features for newspapers or magazines. Includes analysis of publication markets and procedures for submitting articles. Alternate years.

CM 474 CRITICAL WRITING (3-0-3/F/S). Writing opinion for the mass media with emphasis on editorials, personal columns, and reviews of the arts. Alternate years.


NOTE: The next five courses below cover a variety of technical and theoretical subjects in human communication. They involve a variety of approaches and activities. These courses are scheduled as necessary to meet student and community needs. Consult the current semester time schedule for specific courses and content offerings. Each general course is repeatable, but the specific topic of study within the course is not repeatable.

CM 480 STUDIES IN JOURNALISTIC COMMUNICATION (3-0-3/F/S). Advanced instruction in theories about, history of, and preparation of nonfiction content for the mass media. Content varies from semester to semester. Subjects may include: Public Affairs Reporting, Journalism History, Documentary Script Writing, etc. PREREQ: Upper Division Standing.

CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3/F/S). The examination of issues, contexts, and participants of interpersonal communication. Content varies from semester to semester. Subjects may include: Conflict Management, General Semantics, Male-Female Communication, etc. PREREQ: PERM/INST.

CM 482 STUDIES IN MASS COMMUNICATION (3-0-3/F/S). Instruction in theories about, history of, and preparation of content for mediated public communication.
Department of Criminal Justice Administration

Library Building, Room 218  Telephone (208) 385-3406
Chairperson and Associate Professor: Robert Marsh; Professor: Walsh; Associate Professors: Foraker-Thompson, Hopfenbeck.

Degrees Offered
• AS, BA, and BS in Criminal Justice Administration

Department Statement
The department is central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs. The department offers a bachelors and an associate degree in Criminal Justice Administration, participates in the Canadian Studies program and offers an emphasis in Criminal Justice in the Master of Public Administration degree program.

Upper Division Admission
Administrator: Dr. Robert Marsh
Library Building, Room 220-D, Telephone (208) 385-3407
The Department of Criminal Justice Administration requires admission to upper division standing by petition of all Criminal Justice Administration majors. These majors are therefore required to meet the following criteria prior to enrolling in upper division Criminal Justice Administration courses. Criminal Justice majors enrolling in upper division Criminal Justice courses without approved upper division standing will be withdrawn administratively from the courses. Upper division non-majors will be permitted to enroll in specific courses with a documented showing of special need and permission of the instructor.

Minimum Criteria for Upper Division Admission

1. Admission to Boise State University
2. Successful completion of a minimum of 32 credits of the lower division university core including English - E 101 and E 102, Sociology - SO 101, Psychology - P 101, Political Science - PO 101, Communications - CM 111, three credits of History and eight credits of Area III Science and/or Mathematics.
3. All required lower division Criminal Justice courses must be completed with no less than a "C" average.
4. Cumulative GPA of 2.5 or higher at the time of application.
5. Completion of at least 58 credits including coursework in progress at the time of application.
6. Selection of a degree emphasis area.
7. Submission of a completed application and current transcript at least two weeks prior to the preregistration period in which upper division coursework will be requested.
8. Attainment of a passing score on the departmental qualifying examination covering material in CR 101 - Introduction to Law and Justice, CR 201 - Introduction to Criminal Justice Administration and CR 215 - Police in the Community. This examination will be administered each semester prior to the preregistration period.

Transfer Students: Students transferring into the Boise State University Criminal Justice program from other institutions will be evaluated by the departmental chairperson on an individual basis. Failure to meet the above minimum requirements will result in a delayed enrollment into upper division courses until the deficiencies have been addressed.

Degree Requirements

CRIMINAL JUSTICE ADMINISTRATION
Bachelor of Arts Degree
Bachelor of Science Degree

The Bachelor of Arts/Science degree in Criminal Justice Administration offers a choice of four professional areas of emphasis: Law Enforcement, Courts-Law, Corrections-Counseling, and Research.

A student major is required to complete the core courses plus the courses within a desired area of specialization.

UNIVERSITY CORE COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>English Composition E 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Arts &amp; Humanities (Area I)</td>
<td>12</td>
</tr>
<tr>
<td>History (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Fund of Speech Comm CM 111 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology P 101 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Intro Sociology SO 101 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Science or Mathematics (Area III)</td>
<td>12</td>
</tr>
</tbody>
</table>

CRIMINAL JUSTICE CORE:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
</tr>
<tr>
<td>Intro Computer Applications in Social Science SO 210</td>
<td>4</td>
</tr>
<tr>
<td>Intro Law &amp; Justice CR 101</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Criminal Justice Admin CR 201</td>
<td>3</td>
</tr>
<tr>
<td>Police in the Community CR 215</td>
<td>3</td>
</tr>
<tr>
<td>Victims of Crime CR 280</td>
<td>3</td>
</tr>
<tr>
<td>Administration of Justice CR 301</td>
<td>3</td>
</tr>
<tr>
<td>Public Policy &amp; Criminal Behavior CR 315</td>
<td>3</td>
</tr>
<tr>
<td>The Juvenile Justice System CR 317</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Law CR 321</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Correctional Theory &amp; Practice CR 362</td>
<td>3</td>
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<tr>
<td>Criminal Justice Management CR 363</td>
<td>3</td>
</tr>
<tr>
<td>Methods Criminal Justice Research CR 426</td>
<td>3</td>
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<tr>
<td>Senior Tutorial CR 489</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Criminal Justice CR 498</td>
<td>3</td>
</tr>
</tbody>
</table>

SPECIALTY AREA COURSES:

1. LAW ENFORCEMENT
   - Law of Criminal Evidence CR 275 3
   - Law of Arrest, Search & Seizure CR 276 3
   - Comparative Criminal Justice Admin CR 451 3
   - or Comparative Canadian Justice CR 452 3
   - Contemporary Issues in American Policing CR 461 3
   - Field Practicum CR 490 6
   - Electives to total 128 22
     (Including 3 credits of upper division)

2. COURTS/LAW
   - Law of Criminal Evidence CR 275 3
   - Law of Arrest, Search & Seizure CR 276 3
   - Methods of Legal Research CR 350 3
   - Judicial Admin & Court Management CR 381 3
   - Comparative Criminal Justice Admin CR 451 3
   - or Comparative Canadian Justice CR 452 3
   - Constitutional Law PO 351 3
   - Field Practicum CR 490 6
   - Electives to total 128 16
3. CORRECTIONS/COUNSELING
Corrections in the Community CR 331
Interviewing & Counseling in Criminology CR 340
Advanced Interview & Counsel in Criminology CR 341
Upper Division Criminal Justice Elective
Field Practicum CR 490
Electives to total 128

4. RESEARCH
Methods of Legal Research CR 350
Advanced Methods in Legal Research CR 428
Comparative Criminal JusticeAdmin CR 451
Comparative Canadian Justice CR 452
Upper Division Criminal Justice Electives
Field Practicum Planning & Admin CR 490
Electives to total 128

*Three of these elective credits must be chosen from the disciplines of:
  Anthropology**  Geography**  Music  Social Work**
  Art  Geology**  Philosophy  Sociology**
  Biology**  History**  Physical Science**  Theatre Arts
  Chemistry**  Humanities**  Physics**
  Communication**  Literature  Political Science**  Psychology**
  Economics**  Mathematics  Psychology**

NOTE: BACHELOR OF ARTS DEGREE may choose the three credits from any of the above disciplines except mathematics/natural science.

CRIMINAL JUSTICE ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)

FRESHMAN YEAR

1st SEM

English Composition E 101, 102 .......................... 3
Science or Mathematics .................................. 3
Intro Law & Justice CR 101 ......................... 1-4
American National Government PO 101 .......... 3
Introduction to Sociology SO 101 ................. 3
Fundamentals of Speech Communication CM 111 3
State-Local Government PO 102 .................. 3
Intro to Criminal Justice Admin, CR 201 .... 3

Sophomore Year

2nd SEM

Computer Applications in Social Science SO 210 3
Police in the Community CR 215 ................. 3
Law of Criminal Evidence CR 275 .............. 3
Humanities .............................................. 3
History ................................................. 3
General Psychology P 101 ......................... 3
Law of Arrest, Search & Seizure CR 276 .......... 3
Electives to total 64 .................................. 16

Course Offerings

See page 20 for definition of course numbering system

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

CR 101 INTRODUCTION TO LAW AND JUSTICE (3-0-3)(S). Study of basic issues of law as a means of social control including broader issues of social justice such as poverty, racism, sexism, alienation. Provides foundation for examining relevant critical issues in American society. 

CR 201 INTRODUCTION TO CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

CR 215 POLICE IN THE COMMUNITY (3-0-3)(F). A study of police behavior in urban and rural areas with an emphasis on the police response to community change, attitudes, special interest groups, and minority relations. PREREQ: CR 201.

CR 275 LAW OF CRIMINAL EVIDENCE (3-0-3)(F). Presentation of the laws and rules of evidence, burden of proof, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. PREREQ: CR 201.

CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3-0-3)(S). A highly concentrated study of the legalities and decision making processes associated with arrest, search and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. PREREQ: CR 201.

Department of Criminal Justice Administration

CR 280 VICTIMS OF CRIME (3-0-3)(S). Study of the role of victims of crime in the justice system and their treatment by different criminal justice agencies, national and state data on victimization by types of crime, psychological trauma suffered by victims of violent crimes and paths to recovery, programs available to victims, and victim-related legislation.

CR 290 (SO 290) SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F). (Cross listed SO 290.) An introductory survey of topics including the effects of crime and conflict on society, community attitudes, group identity, and social change. Provides an introduction to the theoretical and behavioral bases for understanding community conflict, the role of human behavior in conflict, and the many ways in which conflict can be resolved.

CR 301 ADMINISTRATION OF JUSTICE (3-0-3)(F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply and affect constitutional due process. PREREQ: CR 201.

CR 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3-0-3)(F). Explores the biological, psychological, and sociological theories of crime and criminal activity. Explores the policy options for the criminal justice system and society. PREREQ: Upper Division Criminal Justice standing.

CR 317 THE JUVENILE JUSTICE SYSTEM (3-0-3)(S). Study of the philosophy and function of the juvenile court, court procedures and laws, theories of causation, and intervention strategies for juveniles. Includes an evaluation and analysis of law, institutions, policies, and practices of the court since inception. PREREQ: Upper Division Criminal Justice standing.


CR 331 CORRECTIONS IN THE COMMUNITY (3-0-3)(S). Development, organization, operation and results of post-conviction release programs. Traditional court and institutional supervised probation and parole, work release, halfway houses, diversion, furlough concept and various community/social agency rehabilitative programs of both traditional and innovative nature. PREREQ: CR 201 or SO 101.

CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-0-4)(F). Theory and skills involved in effective communication, interviewing and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. PREREQ: Upper division CJA standing.


CR 350 METHODS OF LEGAL RESEARCH (3-0-3)(F). An introduction to methods of legal research with emphasis on the utilization of library resources, private and government organizations as sources of legal information, and the formulation of briefs, memorandum and other documents appropriate to legal practice. PREREQ: Upper Division Criminal Justice standing.

CR 362 (SO 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). (Cross listed SO 362.) The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state and federal correctional institutions. This course may be taken as CR or SO credit but not both. PREREQ: Upper division CJA standing.

CR 363 CRIMINAL JUSTICE MANAGEMENT (3-0-3)(F). An overview of organizational theory and administrative behavior in criminal justice agencies. Effects of leadership, technology, information, decision-making, court cases, personnel policies, budgeting, and planning on the justice system are analyzed. PREREQ: Upper Division Criminal Justice standing.

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S). Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: CR 301, upper division CJA standing.

CR 426 METHODS OF CRIMINAL JUSTICE RESEARCH (3-0-3)(F). An introduction to the methods used in criminal justice research including the formation of the philosophy of research, research designs and their implementation, and elementary statistical techniques. Emphasis is placed on guiding students in interpreting criminal justice statistics and research. PREREQ: Upper Division Criminal Justice standing.

CR 428 ADVANCED METHODS OF CRIMINAL JUSTICE RESEARCH (3-0-3)(S). Advanced methods of research and analysis in criminal justice with emphasis on designing and managing research projects. Students will design and conduct their own research project. PREREQ: CR 426.

CR 450 COMPARATIVE CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(S). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: CR 301.
CR 452 COMPARATIVE CANADIAN JUSTICE (1-6-3S). An analysis and comparison of U.S.-Canadian criminal justice systems at all levels and of the U.S. Constitution versus the Canadian Charter of Rights and Freedoms. Requires classroom attendance at the final six weeks of CR 451 and residence at the University of British Columbia during the two weeks following final examination week. Either CR 451 or CR 452 satisfy applicable graduation requirements in Criminal Justice. PREREQ: CR 301 and CR 362; or PERM/INST. Even numbered years only.

CR 461 CONTEMPORARY ISSUES IN AMERICAN POLICING (3-0-3S). Study and discussion of the major contemporary issues facing the modern police organization. Utilization of knowledge gained in CR 363 to address specific areas of enforcement at the local, state, and federal levels of government. Major areas of enforcement concerns involving drugs, street gangs, and increased use of firearms. PREREQ: Upper division Criminal Justice standing, CR 363.

CR 489 SENIOR TUTORIAL (3-0-3)(S). Directed research in relevant contemporary issues on Criminal Justice and Criminology. Research proposal will be submitted to, and approved by, Criminal Justice faculty prior to the initiation of the project. The culmination of the course will be the submission and presentation of an appropriate written project paper. PREREQ: Senior standing in Criminal Justice Administration.

CR 490 FIELD PRACTICUM (V-V-6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/Bs students without one year of full-time criminal justice experience. PREREQ: Upper Division CJA standing.

CR 498 SENIOR SEMINAR IN CONTEMPORARY CRIMINAL JUSTICE PROBLEMS (3-0-3S). Exploration of current and anticipated critical issues and problems in the criminal justice systems. PREREQ: CR 201, senior CJA standing or PERM/INST.

Department of History
Library Building, Room 247 Telephone (208) 385-1255

Chairperson and Professor: Warren L. Vintz; Professors: Barrett, Buhler, Fletcher, Jones, Keiser, Lovin, Odahl, Ousada, Sims, Zirinsky; Associate Professors: Lundy, Shallat; Assistant Professors: Bernstein, Schackel.

Coordinator of Graduate Studies: Errol Jones.
Coordinator of Classical Languages: Charles Odahl.

Degrees Offered
- BA, History
- BA, History, Secondary Education
- BA, History, Social Science, Secondary Education
- MA, History: see Graduate College section for further details.
- Minor Certification Endorsement in Latin

Department Statement
The Department of History offers three baccalaureate degree programs: History-Liberal Arts (42 hours of History); History-Secondary Education Option (42 hours of History, 26-32 hours State Teacher Certification requirements); and History-Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 29-35 hours State Teacher Certification requirements). The History-Liberal Arts degree helps the student prepare for either graduate history or careers in history-related professions, and provides a broad Liberal Arts training for the student. The other two degrees prepare the student for a teaching career. Specific requirements for each degree are listed below.

The department also offers coursework in Classical Languages & Literatures, with students completing 20 hours of Latin eligible for a Minor Certification Endorsement for secondary school teaching in that Language from the State Department of Education.

Degree Requirements

HISTORY MAJOR
Bachelor of Arts Program

History-Liberal Arts Option
1. General University Requirements to include:
   * One year of college level Foreign Language ............... 6-8
   * Language equivalency required by the History Department will be determined by the Department of Teacher Education, American National Government PO 101 ............... 3

2. History Requirements:
   - History of Western Civilization HY 101, 102, or 201, 202 ........... 6
   - U.S. History HY 151, 152, or 251, 252 ........... 6
   - Intro to the Study of History HY 210 ........... 3
   - Total Lower Division Courses .................. 15
   - History Seminar ................................ 3
   - Seminar or Colloquium ............................ 3
   - Upper Division History (minimum) .................. 12
   - Additional History Upper Division or non-required Lower Division Electives .................. 9
   **Total Other History Courses ............ 27
   ** Majors must have course work distributed between U.S., European, and Third World History with at least 12 hours in one area and at least 6 hours in each of the other two.

3. Other Electives .................................. 28-36

History-Social Science-Secondary Education Option

1. Lower Division Courses:
   - U.S. History HY 151, 152 or 251, 252 .................. 6
   - Western Civilization HY 101, 102 or 201, 202 ........... 6
   - Intro to the Study of History HY 210 ........... 3

2. Other History Courses:
   - Minimum 15 Upper Division, 3 of those American History ........ 18
   To be chosen by student in consultation with advisor from two out of three of the Department's offerings (U.S., European, Third World)

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

History-Social Science-Social Science Option

1. Lower Division Courses:
   - U.S. History HY 151, 152 or 251, 252 .................. 6
   - Western Civilization HY 101, 102 or 201, 202 ........... 6
   - Intro to the Study of History HY 210 ........... 3

2. Other History Courses:
   - Minimum 15 Upper Division, 3 of those American History ........ 18
   To be chosen by student in consultation with advisor from two out of three of the Department's offerings (U.S., European, Third World)

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

Social Science Curriculum Minor

Similar Social Science curriculum majors are available in the various Social Science disciplines in which the courses would constitute the 30-credit core of the major and History would serve as one of the associate 20-credit blocks. For such a major the Department of History requires at least 9 of the 21 History credits be Upper Division, that 6 hours of the 21 be in U.S. History to meet state certification requirements, and that the remaining courses be selected to complement their major.

History Minor Option

Minor certification endorsements for teaching areas are listed in this Catalog under the Department of Teacher Education, College of Education.

Classical Language Program

Requirements for Minor Certification Endorsement in Latin:

Latin Language Courses
   (The State Department of Education requires 20 credit hours in the Language for a Minor Certification Endorsement)
   - Elementary Classical Latin Lang & Lit LA 211 ........... 4
   - Advanced Classical Latin Lang & Lit LA 212 ........... 4
   - Early Church Latin Literature LA 323 ........... 3
Medieval Latin Literature LA 324 .................................................. 3
Advanced Latin Tutorial-Augustan Age LA 498 ..................... 3
Advanced Latin Tutorial-Late Antiquity LA 498 ..................... 3
Subtotal 20

History & Culture Courses
(The BSU Classical Languages Program requires an additional 9 credit hours in related history and culture courses for a Certification Recommendation.)

Required (3 credits)
Ancient Rome HY 320 ............................................................... 3
Electives
(chosen from the following list: Survey of Western Art AR 101; Mythology E 217; Early Christianity HY 323; Medieval Europe HY 324; European Seminar on Augustus and the Golden Age of Rome HY 481; European Seminar on Constantine and the Late Roman Empire HY 481; European Seminar on the High Middle Ages HY 481; Ancient Philosophy PY 305; Medieval Philosophy PH 307.)

TOTAL 29

Course Offerings

See page 20 for definition of course numbering system

All History courses specifically required for the major are offered each semester allowing for some flexibility in student scheduling. However, the Department strongly encourages History majors to take HY 210 by the second semester sophomore year before taking any Upper Division History courses.

HY HISTORY

Lower Division

HY 101 HISTORY OF WESTERN CIVILIZATION (3-0-3)(AREA II). A political, economic, and cultural survey of western civilization from the earliest settled communities of the ancient Near East in the fourth millennium B.C. up through the cultural renaissance and religious reformation of western Europe in the sixteenth and seventeenth centuries of the Christian era.

HY 102 HISTORY OF WESTERN CIVILIZATION (3-0-3)(AREA II). A political, economic, and cultural survey of western civilization from the end of the religious wars of the seventeenth century up through the world-wide expansion of western culture in the eighteenth century of the modern era.

HY 104 HISTORY OF SCIENCE (3-0-3)(F/S). Alternate years. A survey on the development of the western concept of science, and cultural and scientific interaction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 Eastern Civilizations (3-0-3)(F/S). An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia, with emphasis on an cultural and religious development.

HY 151, 152 UNITED STATES HISTORY (3-0-3)(AREA II). First semester: the history of American civilization from Pre-Columbian days to 1877 with emphasis on the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in World History or related subject matter or PERM/INST.

HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in World History or related subject matter or PERM/INST.

HY 205 LEWIS AND CLARK (2-0-2)(S). A survey of the "corps of discovery" from Wood River, Illinois to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years.

HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses.

HY 251 PROBLEMS IN U.S. HISTORY (3-0-3)(F/S)(AREA II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(S)(AREA II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERM/INST.

HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3)(F/S). Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

Upper Division


HY 307 MODERN GERMANY (3-0-3)(F/S). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 102 recommended. Alternate years.

HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles deGaulle. HY 102 recommended. Alternate years.

HY 309 THE RENAISSANCE (3-0-3)(F/S). A study of European society, economic development, art expression, humanism, and political concepts from the 12th through 16th centuries. PREREQ: HY 102 or PERM/INST. Alternate years.

HY 310 THE REFORMATION (3-0-3)(F/S). Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the world wide impact of Protestantism, the Catholic Reformation and dissident minority sects. PREREQ: HY 102 or PERM/INST. Alternate years.

HY 311, 312 HISTORY OF ENGLAND (3-0-3)(F/S). First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1688. Second semester: Great Britain from the seventeenth century to the present. Alternate years.


HY 315, 316 HISTORY OF EAST ASIA (3-0-3)(F/S). First semester: Survey of the history of China and Japan to ca. 1600, emphasizing their cultural development. Korea and Viet Nam receive brief consideration. Second semester: A study of the political, economic, and cultural transformation of East Asia as a result of its interaction with the West. Alternate years.

HY 317 HISTORY OF SOVIET RUSSIA (3-0-3)(F/S). A survey of the history of Soviet Russia from the last tsars through the present. Alternate years.

HY 319 ANCIENT GREECE (3-0-3)(F/S). A study of the ancient Greek world from the Bronze Age to the establishment of the empire of Alexander the Great in the late fourth century B.C. Political, economic, and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and Visual Arts. PREREQ: HY 101, PERM/INST. Alternate years.

HY 320 ANCIENT ROME (3-0-3)(F/S). A survey of Rome from its earliest beginnings to the sea tumult through the "golden" age of the late imperial phase in the 5th century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities, and literary, legal and artistic achievements. PREREQ: HY 101 or PERM/INST.

HY 323 EARLY CHRISTIANITY (3-0-3)(F/S). A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through its establishment and elaboration as the state religion of the late Roman empire in the fifth century. Doctrinal, ethical, organizational, liturgical and aesthetic developments within the Christian movement, and the political, social and cultural roles of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains. Alternate years.

HY 324 MEDIEVAL EUROPE (3-0-3)(F/S). A survey of the political, religious, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special emphasis given to the Constantinian revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Gregorian papacy, and the outstanding cultural achievements of the twelfth century renaissance. Alternate years.

HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F). A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations and social and political ramifications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Ta'oism, Shinto, Judaism, and Christianity. Recommended: HY 105. Alternate years.

HY 329 HISTORY OF MODERN SOUTH ASIA: India, Pakistan and Burma from 1750 to the Present (3-0-3)(F/S). The Mughal Empire; its decline the rise of British Power;
its social, political, and economic impact; South Asian reaction to British rule; the rise of nationalism and independence; and Indian and Pakistani history since 1947. Alternate years.

HY 330 HISTORY OF MODERN AFRICA; 1750- Present (3-0-3)(F). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial era, internal migrations and the emergence of the modern African state. Mediterranean, Black and White African states will be included. Alternate years.

HY 331 THE ISLAMIC MIDDLE EAST (3-0-3)(F). A history of the people, institutions and culture of the Near and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century. Alternate years.

HY 332 THE MODERN MIDDLE EAST (3-0-3)(S). A history of the Near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. HY 102 recommended. Alternate years.

HY 333 HISTORY OF SPORTS AND THE AMERICAN IDEAL (3-0-3)(F/S). Trace the historical development of sport in America and its impact on American society. From Indian games to Big League this course has something for every interest. The area of sport is placed within the context of American thought and the social milieu of the nation. Alternate years.

HY 334-334q UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions and intellectual developments. HY 151 recommended. Alternate years.

HY 335 DIPLOMATIC HISTORY OF THE UNITED STATES (3-0-3)(F/S). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended. Alternate years.

HY 336 UNITED STATES CONSTITUTIONAL HISTORY (3-0-3)(F/S). A study of the origins, writing and development of the American constitutional emphasis in the context of the development of the Supreme Court. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 338 HISTORY OF IRELAND (3-0-3)(F/S). The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue. Alternate years.

HY 351 COLONIAL AMERICA (3-0-3)(F). Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 353 THE NATIONAL ERA, 1815-1849 (3-0-3)(S). The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the beginnings of sectional rivalry; and the Mexican War. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 354 CIVIL WAR AND RECONSTRUCTION (3-0-3)(F/S). A study of the origins of the conflict between the states, the encounter and the problems of reunification. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 355 WESTERN AMERICA (3-0-3)(F/S). The frontier as a region in transit from the Atlantic seaboard to the Pacific coast, but largely the settlement and development of the Far West. PREREQ: Upper Division standing. Alternate years.

HY 356 THE INDIAN IN UNITED STATES HISTORY (3-0-3)(F/S). Emphasis is on Indian-white relations. The time period studied extends from early contacts, European rivalries, and the origins of the United States Indian policy, to the reservation system, Red Power, and the current Indian problems. Alternate years.

HY 357 IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs and institutions of Idaho. HY 151 recommended. Alternate years.

HY 358 THE GILDED AGE (3-0-3)(S). A study of United States history from 1877 to 1901 with emphasis upon industrial and concomitant social developments, emergence as a world power, and national responses to these changes, culminating with the Progressive Movement and Woodrow Wilson's "New Freedom." PREREQ: HY 152 or PERM/INST. Alternate years.

HY 359 RECENT UNITED STATES, 1917 to Present (3-0-3)(S). Versailles and post-war disillusionment; boom and bust of the 20's; the Great Depression and FDR's New Deal; appearance of the world scene; World War II and its aftermath; HY 152 recommended. Alternate years.

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F). A study of the development of distinctive Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the creation of colonial institutions in the context of Spain's and Portugal's imperial rise and decline, and the early 19th century wars of independence. Recommended: HY 102. Alternate years.

HY 368 MODERN LATIN AMERICA (3-0-3)(S). An examination of Latin America in the aftermath of the wars of independence, and the struggles for political and economical stability during the nineteenth century. Particular emphasis placed upon twentieth century socio-economic change and the role of the United States in that process. Recommended: HY 152. Alternate years.

HY 380 COLLOQUIUM IN AMERICAN HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in American history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division Standing.

HY 381 COLLOQUIUM IN EUROPEAN HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in European history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division Standing.

HY 382 COLLOQUIUM IN THIRD WORLD HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in Third World History. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division Standing.

HY 410 ARCHIVES AND MANUSCRIPTS (3-0-3)(S). Practical experience in the arrangement, description and preservation of original documents housed in the Idaho State Archives at 2525 West State Street, Boise, and the research and writing of a paper using original or primary sources, including newspaper collections located in the Archives. Alternate years.

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3)(F/S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 201 and EC 202 or PERM/INST. May be taken for History or Economics credit, but not for both.


HY 423-423q EUROPEAN DIPLOMATIC HISTORY 1871-Present (3-0-3)(F/S). Major problems in European diplomacy since 1871; search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia; alliance systems, origins of World Wars I and II, cold war and merging of East and West. May be taken for History or Political Science credit, but not for both. Alternate years.

HY 432 TUDOR-STUART ENGLAND (3-0-3)(S). England during the reigns of Tudor and Stuart monarchs; monarchy and parliamentary government; rise of middle class; beginnings of empire; religious and social conflict; cultural developments. Alternate years.

HY 468 HISTORY OF MEXICO (3-0-3)(F/S). An examination of cultural, social, political, and economic factors affecting the historical development of Mexico from pre-Conquest times to the present, with emphasis upon the conquest era, the evolution of post-revolutionary politics. Recommended: HY 267. Alternate years.

HY 480 SEMINAR IN AMERICAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in American history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division standing.

HY 481 SEMINAR IN EUROPEAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division standing.

HY 482 SEMINAR IN THIRD WORLD HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in Third World History. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division Standing.

HY 498 HISTORY SEMINAR (3-0-3). CLASSICAL LANGUAGES

GR GREEK

Lower Division

GR 101, 102 GREEK LANGUAGE & LITERATURE (3-0-3). An introductory course providing the student with a basic knowledge of forms and syntax of the language, with reading exercises and passages excerpted from ancient authors. Translation and analysis of extended pagan and Christian texts is undertaken. Erythmological study illustrates the debt of modern languages to Greek. Alternate years.

GR 211, 212 ELEMENTARY CLASSICAL LATIN LANGUAGE & LITERATURE (3-2-4)(F). An intensive introduction to the basic vocabulary, grammar, and syntax of classical Latin with emphasis on comprehension of the nominal declension and verbal conjugation forms of the language; and a survey of Roman republican literature with illustrative reading passages excerpted from the ancient authors. Recommended: HY 320 Ancient Rome. Alternate years.

LA LATIN

Lower Division

LA 211 ELEMENTARY CLASSICAL LATIN LANGUAGE & LITERATURE (3-2-4)(F). An intensive introduction to the basic vocabulary, grammar, and syntax of classical Latin with emphasis on comprehension of the advanced grammatical forms and syntactical patterns of the language; and a survey of Roman imperial literature with translations and analysis of extended historical and literary texts from the ancient authors. PREREQ: LA'211, or a year of high school Latin. Alternate years.

LA 212 ADVANCED CLASSICAL LATIN LANGUAGE & LITERATURE (3-2-4)(S).
Department of Military Science (Army ROTC)

Pavilion, Room 2025  Telephone (208) 385-3500
Cadre: Chairperson and Professor: Lieutenant Colonel Larry W. Satterwhite; Assistant Professors: Bankhead, Carlson, Qurin; Instructors: Leach.

Department Statement

The Reserve Officers' Training Corps (ROTC) was established at Boise State University in 1977 under provisions recommended to the State Board of Education and in accordance with national requirements. Under the regulations of the university, participation by students in the program is voluntary.

The objective of the Senior Division, Army ROTC, is to provide university students who have ability and desire the opportunity to become commissioned officers in the United States Army Reserve. In addition, the Senior Division provides a major source for officers in the Regular Army and is accomplished through the selection of distinguished military graduates.

Scope of Instruction

General: The complete course of instruction leading to a commission as a Second Lieutenant comprises four years and one summer camp, or two years and two summer camps. Training in leadership is emphasized. Instruction is given in subjects common to all branches of the Army with stress placed on the following: organization of the Army and ROTC; individual weapons and marksmanship; military history; management; leadership; map reading, land navigation and orienteering; U.S. Army and national security; military teaching principles; branches of the Army; tactics; communications; operations; logistics; administration; military law; and the role of the United States military in world affairs.

Basic Course: The basic course consists of the first two years of Military Science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, or by obtaining 90 military contract hours. Veterans and some Reserve Component/National Guard personnel are given credit for some of the basic course.

Advanced Course: The advanced course includes two additional years of Military Science and a six-week summer camp. The camp provides for practical application of instruction previously given. Admission to the advanced course is by permission of the chairman of the Department of Military Science.

Requirements for Army Commissions

Applicants for admission to the advanced course must:

1. have satisfied one of the following requirements: Completion of the basic course; successfully completed the six-week summer basic camp; completed Basic Training and Advanced Individual Training; and must have a minimum of 50 semester hours;
2. be able to complete all requirements for commissioning prior to their 30th birthday, 32 if they have 2 years of Active Duty;
3. successfully complete prescribed survey and general screening tests;
4. be approved by the president of Boise State University or any other institution to which they may thereafter be admitted;
5. execute an individual contract with the government in which they agree to complete the advanced course at Boise State University, or any other institution at which they may thereafter be enrolled where such a course is given;
6. devote a minimum of eight hours a week to the military training prescribed by the Secretary of the Army;
7. attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year;
8. enlist in the ROTC Control group (this enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student which require active enlistment if contract is voided due to fraudulent enlistment or willful evasion);
9. agree to accept a commission if tendered;
10. serve as a commissioned officer for eight years to include an initial period of active duty of up to four years. If the Army does not require service on active duty, agree to serve an initial period of active duty training of three to six months and remain a member of, and participate satisfactorily in, a Reserve component until the eighth anniversary of such appointment unless sooner relieved under other provisions. Guaranteed Reserve Forces (GRF) assignments are available for those who do not want to compete for the active duty assignments. The GRF assignment allows officers to remain in Idaho and continue their civilian career plans as well as serve in the reserves with an Army Commission.
11. Complete the requirements listed for Precommissioning Military Qualification Standards (MQS) as listed below.

MILITARY QUALIFICATION STANDARDS 
PRECOMMISSIONING REQUIREMENTS

The United States Cadet Command has established several standardization requirements for all precommissioning ROTC programs across the United States. These standardizations include the requirements for a cadet to complete the Military Science courses listed below, as well as one course in each of the following areas.

1. Written Communication. The English Composition requirements of BSU also satisfy the MQS requirement.
2. Human Behavior. Recommended courses to meet this requirement include General Psychology, Sociology or Anthropology (all of these courses can also be used to meet the BSU Area II Social Science requirements).
3. Military History. A Military History course will be offered every other Spring semester. When this course is not available, HY 152 or HY 359 with the written approval of the Professor of Military Science.
4. Courses in Management and National Security Studies are strongly recommended but are not required.
5. The following Physical Education classes are recommended. For students going to an ROTC Summer Camp, these classes are highly recommended:
   a. FA 163—Jogging
   b. PE 121—First Aid
   c. FA 297—Special Topics: Courses in Physical Aerobic Conditioning
   d. FA 297—Special Topics: Orienteer/Land Navigation
7. Math Reasoning. Recommended courses include Mathematics M 100, M 105, and M 106.

Scholarships: Financial assistance for selected students is offered through 2, 3, and 4-year scholarship programs paying for tuition and
fees, a flat rate for books, and laboratory costs each year plus $100 a month allowance for up to ten months each year. Each student selected for this assistance may be selected to serve four years of active duty after commissioning. There are a large number of Pre-Nursing Scholarships available.

Financial Assistance: Each advanced course student receives an allowance of $100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows: Basic camp, $740 (approximately); advanced camp $840 (approximately); travel pay, 20 cents per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty.

Uniforms: Basic and advanced course students will be provided uniforms, texts, and equipment for ROTC classes. All such items of clothing and equipment are the property of the U.S. Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and return of the property issued to them.

Course Offerings

See page 20 for definition of course numbering system

ML MILITARY SCIENCE

Lower Division
ML 101 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an overview of ROTC to include the purpose and history of ROTC, introduction to land navigation, customs and courtesies of the military, rifle marksmanship, and first aid. Laboratory consists of progressive participation in leadership exercises, adventure training, and military branch orientation.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). This course is a continuation of ML 101. The student will receive further instruction in such military subjects as Cross-Country Skiing, Small-Unit Tactics, Individual Tactical Movement, First Aid, and Introduction to Leadership. Laboratory consists of progressive participation in leadership exercises, adventure training, and military skills orientation. PREREQ: ML 101 or PERM/INST.


ML 202 APPLIED LEADERSHIP (2-1-2). Prepares the student for the ROTC Advanced Course. The Applied Leadership course will concentrate on the institutional and practical application of Small-Unit Tactics, First Aid, and Military Professional Development. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and tactical instruction.

Upper Division
ML 301 LEADERSHIP AND MANAGEMENT (3-1-3)(F). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the Army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in advanced camp. Laboratory consists of progressive participation in advanced leadership exercises, adventure training, and orienteering.

ML 302 BASIC TACTICS (3-1-3)(S). Introduces student to the fundamentals of combat operations. Prepares the student for ROTC advanced camp. Develops leadership abilities, promotes confidence, and readies students for military service as commissioned officers. Laboratory consists of progressive participation in advanced leadership exercises, adventure training, and tactical operations.

ML 390 MILITARY SCIENCE PRACTICUM (Y-V-V-S). Provides the student with the opportunity to apply the skills they have learned. Is completed at the 6-week ROTC Adventure Leadership Camp at Fort Lewis, Washington. NOTE: This is required by all contracted students and is usually required between MS III and MS IV years.

ML 401 ADVANCED TACTICS (3-1-3)(F). Prepares the prospective Army officer for initial Army assignment. Covers military staff organization and responsibilities; military intelligence; logistics, maintenance and supply, and an introduction to military justice. Students apply principles of advanced leadership by planning and conducting laboratory training.

ML 402 PROFESSIONAL PREPARATION (3-1-3)(S). Includes a discussion of ethics and human relations, counseling techniques, military service in today's society; obligations and responsibilities of an officer on active duty; and coordination and operation of the military team. Students receive thorough leadership assessment and are responsible for planning and executing laboratory training.

ML 493 MILITARY SCIENCE INTERNSHIP (V-V-V). Provides the senior student with the opportunity to apply the skills they have learned. Is completed by simultaneous membership in ROTC and Army Reserve/National Guard (P/IN). Permission of department head required.

Department of Political Science

Administration Building, Room 218

Chairperson and Professor: Dr. Gregory A. Raymond; Professors: Donoghue, Kinney, Moncrief, Overgaard, Skillern; Associate Professors: Freemuth, Sallie, Weatherby; Assistant Professors: Alm, Patton, Witt.

Degrees Offered

- BA and BS in Political Science (with emphasis areas in American Governmental Systems and Processes; International Relations; Political Philosophy and Public Law; and Public Administration)
- BA and BS in Political Science, Social Science, Secondary Education
- Master of Public Administration: see Graduate College for further details

Department Statement

The Department offers courses leading to a B.A. or B.S. degree in Political Science, with a choice of specified areas of emphasis. The Department also provides courses in support of the Social Science, Secondary Education option for teachers. The Department also offers a minor in political science.

Political Science majors at Boise State University have an opportunity to enjoy a unique and challenging educational experience. The University's location in the capital city provides many resources not readily available at other schools—such resources as the state law library, state archives, and state and federal government offices.

Majors in political science become prepared for further study at the graduate level, or for careers in government service, teaching, law, and public affairs and research. Many of our students become teachers or lawyers. Others work for large corporations as public affairs officers, or for federal, state, or local governments in numerous capacities. Some become reporters, lobbyists, or campaign managers; some have been elected to public office.

Degree Requirements

POLITICAL SCIENCE MAJOR

Bachelor of Arts Degree
Bachelor of Science Degree

1. General University and Core Requirements

2. All political science majors, regardless of chosen area of emphasis, must complete the following courses:
   - American National Government PO 101
   - Contemporary Political Ideologies PO 141
   - International Relations PO 231
   - Introduction to Political Inquiry PO 298
   - Advanced Political Science Methods PO 398

   SUBTOTAL 15

3. Upper-division political science elective requirements

4. Area of Emphasis Requirements. A minimum of 15 credits must be completed in the student's chosen area of emphasis (see specific courses below).

A. American Governmental Systems and Processes Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:
   - State and Local Government PO 102
   - American Political Parties & Interest Groups PO 301
   - Public Opinion & Voting Behavior PO 302
   - Urban Politics PO 308
   - American Chief Executive PO 309
   - Legislative Behavior PO 312
   - American Political Theory PO 331
   - Constitutional Law PO 351
   - American Political Economy PO 381
B. International Relations Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- Comparative Foreign Policy PO 311
- Introduction to Comparative Politics PO 321
- Comp Communist Party-State Systems PO 324
- Politics of Industrialized Nations PO 329
- Comp Govt/Politics of Developing Nations PO 333
- United States Foreign Policy PO 335
- International Law and Organization PO 421
- International Political Economy PO 429

C. Political Philosophy and Public Law Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- American Political Theory PO 331
- Constitutional Law PO 351
- International Law & Organization PO 421
- Western Political Theory I PO 441
- Western Political Theory II PO 442
- Comparative Legal Systems PO 451
- Administrative Law PO 467

D. Public Administration Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- State and Local Government PO 102
- Intro to Public Administration PO 303
- American Chief Executive PO 309
- Public Finance PO 310
- Public Policy PO 320
- Comparative Public Administration PO 465
- Administrative Law PO 467
- Intergovernmental Relations PO 469
- Organ Theory & Bureaucratic Structure PO 487

Political Science—Social Science, Secondary Education Option

The Social Science, Secondary Education Option Degree programs are cooperative, interdisciplinary programs involving the Departments of Economics, History, Political Science, Sociology, and Anthropology. Each of these departments provides a major emphasis with the Social Science, Secondary Education Option. The following requirements apply for students choosing this option.

30 Credit Hour Program:

1. LOWER DIVISION
- American National Government PO 101
- State and Local Government PO 102
- Contemporary Political Ideologies PO 141
- International Relations PO 231

2. UPPER DIVISION
- One course from each of the 4 areas of emphasis
- Upper division electives

TOTAL 30

15 Credit Hour Program:

- American National Government PO 101
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Two upper division political science elective courses

TOTAL 15

Note: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

Political Science Internship Program

Participation in the internship program is strongly encouraged for Political Science majors. Political Science internships are most appropriate for junior and senior students. Students may serve as interns in the Idaho State Legislature, Office of the Governor, the Lt. Governor, or the Attorney General. In addition to providing valuable work experience, students may carry up to 12 academic credits for interning. These academic credits may be earned for every 150 hours of interning. Interns are also placed with local governments and the public affairs offices of major corporations.

Department of Political Science

POLITICAL SCIENCE MINOR

For students who wish to major in another field, the Department of Political Science offers an option of a Minor in Political Science. The student must complete 21 credits in Political Science in addition to the requirements for their major. Students are required to take 9 division credits, and 12 upper division credits, from the following course offerings. Each student seeking this minor must get approval from the Department Chair in the Political Science Department.

NINE CREDITS FROM THE FOLLOWING COURSES:
- American National Government PO 101
- State & Local Government PO 102
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Intro to Political Inquiry PO 298

TWELVE CREDITS FROM THE FOLLOWING COURSES:
- American Parties & Interest Groups PO 301
- Public Opinion & Voting Behavior PO 302
- Intro to Public Administration PO 303
- Urban Politics PO 308
- American Chief Justice PO 309
- Public Finance PO 310
- Comparative Foreign Policy PO 311
- Legislative Behavior PO 312
- American Policy Process PO 320
- Introduction to Comparative Politics PO 321
- Comparative Communist Party-State System PO 324
- Politics of Industrialized Nations PO 329
- American Political Theory PO 331
- Comp Govt & Pol of Develop Nations PO 333
- United States Foreign Policy PO 335
- Constitutional Law PO 351
- American Political Economy PO 381
- Advanced Political Science Methods PO 396
- International Law & Organization PO 421
- International Political Economy PO 429
- Western Political Theory I PO 441
- Western Political Theory II PO 442
- Comparative Legal Systems PO 451
- Administrative Law PO 467
- Intergovernmental Relations PO 469
- Organizational Theory & Bureau Structures PO 487
- Internship PO 493

Course Offerings

See page 20 for definition of course numbering system

PO POLITICAL SCIENCE

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3)(F/S)(AREA II). Institutions and processes of American political system, emphasizing social, ideological, and constitutional background.

PO 102 STATE AND LOCAL GOVERNMENT (3-0-3)(F/S). Institutions and processes of state and local government, with emphasis on state institutions and processes, federalism, and subnational political economies.

PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3)(F/S)(AREA II). Principal ideas characterizing liberalism, communism, fascism, and Nazism.

PO 231 INTERNATIONAL RELATIONS (3-0-3)(F/S)(AREA II). Nature of relations among nations with particular reference to contemporary international issues. Analysis of motivating factors, including nationalism, imperialism, communism, Study of national sovereignty and its relation to international cooperation.

PO 298 INTRODUCTION TO POLITICAL INQUIRY (3-0-3)(F). Introduction to techniques of political science inquiry, concentrating on behavioral and attitudinal data analysis. Includes an introduction to statistics and computer applications.

Upper Division

PO 301 AMERICAN PARTIES AND INTEREST GROUPS (3-0-3)(F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. PREREQ: PO 101 or 102.
PO 302 PUBLIC OPINION AND VOTING BEHAVIOR (3-0-3)(S). Development of public opinion and voting behavior. Empirical research from a variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3)(S). Theory, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 308 URBAN POLITICS (3-0-3)(S). An inquiry into different urban political systems and issues. Included are investigations into different governing arrangements in urban jurisdictions including variations in electoral structures, types of governing bodies, and different government structures. Also included is an analysis of the role of political parties and interest groups, as well as urban issues such as transportation, waste disposal, service delivery and financing. PREREQ: PO 102 or PERM/INST. Alternate years.

PO 309 AMERICAN CHIEF EXECUTIVE (3-0-3)(F). Consideration of the importance and involvement of the President in the political and policy-making processes and powers of the presidency. PREREQ: PO 101. Alternate years.


PO 311 COMPARATIVE FOREIGN POLICY (3-0-3)(F). Political institutions, concepts, values, and methods of international politics relevant to practice of nations-states; examination of foreign policies and objectives of world’s major powers; analysis of contemporary international problems; consideration of theories of international politics. PREREQ: PO 101 or 231 or PERM/INST.

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)(S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system.

PO 320 AMERICAN POLICY PROCESS (3-0-3)(S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administrators.

PO 321 INTRODUCTION TO COMPARATIVE POLITICS (3-0-3)(F). An introduction to the cross-national analysis of the structure and functioning of various types of political systems, with special emphasis on the problems of political change. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 324 COMPARATIVE COMMUNIST PARTY-STATE SYSTEMS (3-0-3)(F). Political systems of the Soviet Union, Eastern Europe, People’s Republic of China, and other communist party-states. Selected topics and problems relating to political institutions and political processes to define patterns of political relationships. Questions of political theory and political determinants in development of communist party-states. PREREQ: PO 101. Alternate years.

PO 329 POLITICS OF INDUSTRIALIZED NATIONS (3-0-3)(F). Political systems of selected industrialized nation-states, including Great Britain, France, German Federal Republic, Japan, and Scandinavian states. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 331 AMERICAN POLITICAL THEORY (3-0-3)(F). Genesis and development of political thought in the United States from colonial period to present.

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3)(F). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia, and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101. Alternate years.

PO 335 UNITED STATES FOREIGN POLICY (3-0-3)(S). Development of diplomacy from foundation of the republic to the present with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies. Alternate years.

PO 351 CONSTITUTIONAL LAW (3-0-3)(S). Case study of constitutional system and its concepts as revealed in judicial decisions. PREREQ: PO 101.

PO 381 AMERICAN POLITICAL ECONOMY (3-0-3)(S). Focuses on the interface between American politics and economic systems. Topics include: theories of the capitalist state and society, and different interpretations of American political economy through competing theoretical approaches. PREREQ: PO 101 or 141 or PERM/INST. Alternate years.

PO 398 ADVANCED POLITICAL SCIENCE METHODS (3-0-3)(S). Examination of discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. PREREQ: PO 208 or PERM/INST.

PO 421 INTERNATIONAL LAW AND ORGANIZATION (3-0-3)(F). Law of peace, international intercourse, war and threat of war, Pacific settlement, principles and practices of international law. Historical background of international organizations, including the United Nations. PREREQ: PO 101, 231 or PERM/INST.

PO 441 WESTERN POLITICAL THEORY I (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PO 442 WESTERN POLITICAL THEORY II (3-0-3)(F). Development of political thought since Machiavelli. Alternate years.

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3)(S). Principal legal systems of the world, with emphasis on ideological foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. PREREQ: PO 101, 141. Alternate years.


PO 467 ADMINISTRATIVE LAW (3-0-3)(F). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. PREREQ: PO 303 or PERM/INST.

PO 469 INTERGOVERNMENTAL RELATIONS (3-0-3)(S). Interunit cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. PREREQ: PO 101, 102, 303.

PO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(S). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made in early October.

Department of Psychology
Education Building, Room 629
Telephone (208) 385-1207
Chairperson and Professor: Linda J. Anooshian; Professors: Barness, Chastain, Dodson, Snow; Associate Professors: Downs, Nelson, Nicholson, Weber; Assistant Professors: Hoyt, Leon, Ross, Seibert.

Degrees Offered
- BA and BS in Psychology

Special Information for Students
1. The College of Social Sciences and Public Affairs, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but some latitude is allowed within the framework set by those requirements.

   The student should be aware, however, that the total program is designed to produce a graduate with a strong background in basic psychology, and should not regard successful completion of that program as a preparation to perform psychological services. Rather, the student should think of it as (1) a demonstration of educational attainment, like any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

   Psychology is classified as a social science by the university, but not by the State Department of Education. You can apply psychology toward a baccalaureate degree in Social Sciences. (In this catalog see the sections on Economics, History, Political Science, Anthropology and Sociology.) If you do that, you may be certified to teach the subjects that are classified by the State as "social studies," but you will not be certified to teach psychology unless you also meet the requirements of the Psychology Minor.

2. Any student who is planning a career in counseling in the schools should major either in Elementary Education or in some subject...
matter area that includes a Secondary Education Option. Psychology courses often are explicitly prescribed parts of such programs; additional courses may be taken as electives.

4. Every psychology course that is specifically required for the baccalaureate degree in psychology must be passed with a grade of "C" or better in order to qualify a student for that degree.

Degree Requirements

Upper Division Admission

All psychology majors must petition for upper division standing in the major. The evaluation of these petitions, as completed by the Psychology Major Selection Committee, serves to inform students of the likelihood of successful completion of upper division requirements for the psychology major.

Psychology majors who have not been admitted to upper division standing in the major will not be allowed to enroll in upper division psychology courses; majors without upper division standing will be administratively withdrawn from upper division courses. Students with majors other than psychology (e.g., Social Work, Social Science) can enroll in upper division courses as long as they have fulfilled other stated prerequisites. However, students who have not been admitted to upper division standing by the Psychology Major Selection Committee, will be denied a B.A./B.S. degree with a major in psychology.

To petition for upper division standing, psychology majors must submit a completed petition form and a current transcript to the Psychology Major Selection Committee. These materials must be received by the Psychology Major Selection Committee prior to the preregistration period for the semester for which the student is seeking upper division standing. Specific deadline dates will be posted in E-629. Minimum requirements for upper division standing in psychology include the following:

1. Admission to Boise State University.
2. Successful completion of the following courses with a grade of "C" or higher:
   a. E 101 and E 102 English Composition
   b. B 100 Concepts of Biology
   c. Z 107 Concepts of Human Anatomy & Physiology
   d. One Core course in Mathematics (Area III) or 8 credits in mathematics (if not Area III Core courses)
   e. P 101 General Psychology
   f. P 201 Intro Practice of Psychology
   g. P 225 Physiological Psychology
   h. P 295 Statistical Methods.
3. Completion of at least 58 credit hours (including courses in progress at time of application).
4. Cumulative GPA of at least 2.50.

PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science Degree

1. Lower Division:
   a. English Composition 3-6
   b. Arts and Humanities Total Credits 12
   c. Area I Core Courses: 12
      Literature 3
      Second Area I Field 3
      Third Area I Field 3
      Any Area I Field 3
   d. Social Sciences Total Credits 25
      Area II Core Courses 12
      General Psychology P 101 3
      History 3
      Third Area II Field 3
      Any Area II Field 3
      Non-core Courses 13
      Intro Practice of Psychology P 201 3
      Physiological Psychology P 225 3
      Statistical Methods P 295 3
      Computer Appl in Social Science SO 210 4
   e. Natural Science-Math Total Credits 16
      Area III Core Courses 12
      Concepts of Biology B 100 4

2. Upper Division
   a. Psychology Total Credits 22
      Experimental Design P 321 3
      Learning P 441 3
      Systems Seminar P 489 3
      P 405, P 421, or P 499 3
      P 341, P 343, or P 345 3
   b. Upper Division Elective Credits 18
   c. Second Area II Field 3
      Any Area II Field 3
      Non-core Courses 3
      Any Area III Field 3
      P 405, P 421, P 499 3
      Systems Seminar P 489 3

3. Free Elective Credits 29-32

Recommended Program

 PSYCHOLOGY MAJOR

FRESHMAN YEAR

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SENIOR YEAR

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College of Social Sciences & Public Affairs

Upper Division Electives (Psych. or other) 3 3

General Electives 10 6

• Specifically required.
• Courses approved for the Core.
• One course is specifically required. A minimum of two courses is recommended for students planning for graduate school.
• It is advisable for students planning for graduate school to obtain additional credits in mathematics and the sciences.

Course Offerings
See page 20 for definition of course numbering system

P PSYCHOLOGY

Lower Division

P 101 GENERAL PSYCHOLOGY (3-0-3)(F,S) (AREA II). An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided.

P 125 BRAIN, MIND AND BEHAVIOR (1-0-1)(Demand). An educational television series with accompanying textbook, the eight one-hour programs focus on the mysteries of consciousness, vision and movement, pain, anxiety and behavior, memory, the relationship between thought and language, schizophrenia, and implications of brain research for the future. Examinations will be administered through the mail.

P 141 SECOND WIND (3-0-2)(F). Course specifically designed for "re-entry" students: women and men 25 years of age or older who are returning to school, or considering a return to school, after having been away for some years. Topics will include career and academic decision making, academic survival skills, making the transition to university life, time management, and stress management. The problems, opportunities and issues involved in meeting the demands of multiple roles will be considered. Pass/Fail. Limited enrollment. Cannot be used to meet Any Core requirements.

P 151 CAREER AND LIFE PLANNING (3-0-3)(F,S). Career and Life Planning devotes three weeks to each of the following areas: (1) knowing self, (2) the world of work, (3) identifying resources, (4) actual career planning, and (5) proposed implementation of career and life plans. Students are expected to participate through work-study sheets, interviews and visitsations and by arranging for resources pertinent to classroom activities. Pass/Fail. Limited enrollment. Cannot be used to meet Any Core requirements.

P 201 INTRODUCTION TO PRACTICE OF PSYCHOLOGY (3-0-3)(S). An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. PREREQ: P 101.

P 211 CHILD PSYCHOLOGY (3-0-3)(F,S). A study of development and adjustment from conception to adolescence with an emphasis on school-aged children. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Not for psychology majors. PREREQ: P 101.

P 212 ADOLESCENT PSYCHOLOGY (3-0-3)(F,S). Chronologically a continuation of child psychology P 211; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns, and to health, learning and other problem areas. Not for psychology majors. PREREQ: P 101.

P 225 PHYSIOLOGICAL PSYCHOLOGY (3-0-3)(F). A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion and learning are studied from this point of view. PREREQ: P 101, Z 107.

P 251 PSYCHOLOGY OF ADJUSTMENT (3-0-3)(S). The course is designed to help each student develop a more effective approach to reaching educational and personal goals. The theory and techniques related to individual adjustment (goal identification, value clarification, stress management, self-control) will be presented along with discussion of interpersonal relationships and communication skills. PREREQ: P 101.

P 261 HUMAN SEXUALITY (3-0-3)(F,S). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual disfunction, sex role development and sexual orientation. Cultural values will be examined, and a values clarification unit will be included.

P 291 DEATH: A CONFRONTATION FOR EVERYONE (3-0-3)(F). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

P 295 STATISTICAL METHODS (3-0-3)(F,S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability and analysis of variance. PREREQ: P 101, High School Algebra.

Upper Division
NOTE: Upper Division Psychology courses are closed for upper-division students.


P 309 LIFE-SPAN DEVELOPMENT I (3-0-3)(F). Designed for psychology majors, the course emphasizes theories of human development including psychodynamic, behavioral, social-learning, and cognitive. Contemporary views of heredity and environmental contributions will be examined. Research designs appropriate to developmental issues will be explored. The emphasis will be on development from the prenatal period to adolescence. Credit cannot be obtained for both P 211 and P 309. PREREQ: P 101.

P 310 LIFE-SPAN DEVELOPMENT II (3-0-3)(S). A continuation of the study of human development with the emphasis on development from adolescence to death. Credit cannot be obtained for both P 212 and P 310. PREREQ: P 309.

P 313 PSYCHOLOGY OF AGING (3-0-3)(F,S). An examination of the functional changes occurring during the aging process. Topics will include contemporary methods in the study of aging, aging as a part of life-span development in perception, cognition, personality, achievement, and family relations. Attention will be given to mental health problems of the aged, diagnosis, and therapy. PREREQ: P 101.

P 321 EXPERIMENTAL DESIGN (2-4-4)(F,S). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data; reporting of behavioral research. PREREQ: P 295.

P 331 THE PSYCHOLOGY OF HEALTH (3-0-3)(F). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, but are not limited to, operant and classical conditioning. The course will deal with applications of these principles to the understanding and change of phobias, obesity, smoking, alcoholism, aberrant sexual behavior and similar problems. PREREQ: P 101.

P 341 PERCEPTION (3-0-3)(F). A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing level will be emphasized, although coverage of receptor structure and neural pathways is included. PREREQ: P 101.

P 343 THE PSYCHOLOGY OF THOUGHT (3-0-3)(F). Examines basic processes of attention and information processing, memory and forgetting; concept formation and the representation of knowledge; reasoning; creativity; and computer simulation of these processes. PREREQ: P 101.

P 345 THE PSYCHOLOGY OF LANGUAGE (3-0-3)(S). Examines language structure, types of grammar, problems of meaning, competence versus performance, whether all thinking is verbal, linguistic determinism, and cultural factors in language. PREREQ: P 101.

P 351 PERSONALITY (3-0-3)(F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. PREREQ: P 101.


P 357 PER PERSONAL AND GROUP PSYCHOTHERAPY (3-0-3)(F,S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. PREREQ: P 101, (Pass/Fail).

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(F). This course will examine sex roles as understood by our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or SO 101.

P 389 PSYCHOLOGY SEMINAR (1-0-1)(S). Selected topics of special interest to psychology majors. Pass/Fail.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F,S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with a minimum final grade point average of 3.0 and PERM/INST.

P 405-405G ADVANCED STATISTICAL METHODS (3-0-3)(S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced topics in univariate statistics (e.g., repeated measures designs) as well as current multivariate techniques such as discriminant analysis, factor analysis and principal component analysis. PREREQ: P 295 or equivalent or PERM/INST.
work with an average annual income of

Work) licensed in Idaho found almost three-fourths practicing social

Associate Professor:

with mentally ill, emotionally disturbed, delinquent, mentally retarded,

courts, hospitals, and clinics that seek to detect and prevent delin-

the State of Idaho.

A

quency and child neglect.

children and adults. Social workers are sought for service in schools,

area of professional practice.

Social Work is usually practiced in social welfare agencies and in Social

professional career to those who care deeply about the well-being of others.

Social workers give direct services to individuals, families, groups and

Communities. Qualified licensed social workers are in demand in every

 Interstate. .

Social Work is practiced in social welfare agencies and in Social

Social workers give direct services to individuals, families, groups and

Recommended projects are those which will contribute to the body of

psychological knowledge or will apply psychological principles to practical prob-

lems. Recommended for psychology students planning on graduate school.

PREREQ: P 101 and P 321, PRM/INST.

PREREQ: Upper Division standing, Psychology major, cumulative GPA above 3.00 and PRM/INST.

PREREQ: Upper Division standing, Psychology major, cumulative GPA above 3.00 and PRM/INST.

Department of Social Work

Education Building, Room 716   Telephone (208) 385-1568

Chairperson and Professor: David Johnson; Professors: Huff, Panitch; Assistant Professor: Yunker; Assistant Professor: Nelson.

Degrees Offered

• BA in Social Work

Department Statement

The Baccalaureate Degree program in Social Work is fully accredited by the Council on Social Work Education. A major in Social Work prepares students for beginning social work practice and licensing by the State of Idaho.

Social Work offers an opportunity for a personally rewarding professional career to those who care deeply about the well-being of others. Social workers give direct services to individuals, families, groups, and communities. Qualified licensed social workers are in demand in every area of professional practice.

Social Work is usually practiced in social welfare agencies and in Social Work departments at host settings. Social workers are needed to work with mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped and economically and socially deprived children and adults. Social workers are sought for service in schools, courts, hospitals, and clinics that seek to detect and prevent delinquency and child neglect.

A 1990 telephone study of 45% of the 707 Social Workers (BA in Social Work) licensed in Idaho found almost three-fourths practicing social work with an average annual income of $24,000. Three out of every ten social workers licensed in Idaho are graduates of Boise State University.

Department of Social Work

Degree Requirements

SOCIAL WORK MAJOR
Bachelors of Arts Degree

1. TOTAL REQUIREMENTS
General University and Major Requirements ........................................ 128

2. LOWER DIVISION COURSES
English Composition E 101, 102 .................................................. 6
Literature (Core)* ............................................................... 6
Humanities (Core)* ............................................................. 6
History (3 cr. from Core) ...................................................... 6
Concepts of Biology B 100 ......................................................... 4
Lab Science and/or Math (Core)* .............................................. 8
Communication ................................................................. 3
Economics ......................................................................... 3
Intro to Sociology SO 101 ....................................................... 3
Social Problems SO 102 ......................................................... 3
General Psychology P 101 ....................................................... 3
State and Local Government PO 102 ....................................... 3
Intro to Social Work SW 101 ................................................... 3
Elementary Social Work Processes SW 201 ................................ 3
Intro to Multi-Ethnic Studies SO 230 ....................................... 3

3. UPPER DIVISION COURSES .................................................. 45
Social Welfare Policy SW 301 ................................................... 3
Human Behavior in Social Environment SW 321 ....................... 3
Social Work Stat & Research Methods SW 380 ......................... 3
Social Work Methods-Casework SW 385 ................................. 3
Social Work Methods-Community Organization SW 430 ....... 3
Social Work Methods-Groupwork SW 435 ............................ 3
Psychology Electives .......................................................... 6
Field Work SW 480, 481 ......................................................... 10
Social Sciences & Public Affairs Electives** ........................... 9
Senior Seminar SW 498, 499 ................................................... 2

4. ELECTIVES
General Electives-Lower-Upper Division .................................... 20
*Core from: AR, HU, IH, MU, PY, TA, Foreign Language 201, 202. Humanities must represent two fields.
**Must be selected from: Social Work, Communication, Sociology, Anthropology, Criminal Justice Administration, Political Science, History. With approval of advisor.

Suggested Program

BACHELOR OF ARTS DEGREE

FRESHMAN YEAR

1st SEM 2nd SEM

English Composition E 101, 102 .................................................. 3 3
Concepts of Biology B 100 ...................................................... 4 -
Science-Mathematics (Core) ................................................... - 4
History (Core) ................................................................. 3 -
State and Local Government PO 102 ....................................... 3 -
Introduction to Sociology SO 101 ............................................. - 3
Introduction to Social Work SW 101 ........................................... 3 -
General Psychology P 101 ....................................................... - 3
Communication ................................................................. - 3
- 16 16

SOPHOMORE YEAR

Literature (Core) ................................................................. 3 3
Humanities (Core) .............................................................. 3 3
Science-Math (Core) ............................................................ 4 -
Economics ......................................................................... 3 -
Social Problems SO 102 ......................................................... 3 -
Elementary Social Work Processes SW 201 ................................ 3 -
History ........................................................................... 3 -
Introduction to Multi-Ethnic Studies SO 230 ............................ 3 -
- 16 15

JUNIOR YEAR

Social Work Stat & Research Methods SW 380 ............................ 3 -
Social Welfare Policy SW 301 ................................................... 3 -
Human Behavior in Social Environment SW 321 ....................... 3 -
Social Work Methods-Casework SW 385 ................................ 3 -
Upper Division Psychology Elective ......................................... 3 -
Upper Division Soc Sci & Public Affairs Electives ........................ 3 6
Lower or Upper Division Electives .......................................... 6 3
- 15 18


SENIOR YEAR

Field Work, SW 480, 481 .................................................. 5  5
Senior Seminar SW 498, 499 ........................................... 1  1
Social Work Methods-Groupwork SW 435 ................................ 3
Social Work Methods-Community Organ SW 430 ................................ 3
Lower or Upper Division Electives ...................................... 3  8
Upper Division Psychology Elective ...................................... 3

Course Offerings

See page 20 for definition of course numbering system

SW SOCIAL WORK

Lower Division

SW 101 INTRODUCTION TO SOCIAL WORK & WELFARE (3.0-3)(F/S)(AREA II). Survey of the historical development and contemporary practice of social work; values, knowledge base, skills, the underlying philosophy and the need for social services in society.

SW 201 ELEMENTARY SOCIAL WORK PROCESSES (3.0-3)(F/S). Communication skills, interviewing techniques, and problem solving processes specific to social work practice are covered. Community social services are reviewed and five clock hour service per week are required in agency to facilitate the integration of values, knowledge and skills. Social work functions and career opportunities are delineated. PREREQ: SW 101.

SW 301 SOCIAL WELFARE POLICY (3.0-3)(F/S). Reviews institutional social welfare and professional social work mechanisms to deal with the problems of social change. The course reviews how society has addressed social problems and individual needs; delineates social welfare policy development and methodology for analysis of policies. Ideological value bases are identified for understanding welfare policies. PREREQ: SW 201 and all lower division requirements.

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3.0-3)(F/S). Reviews the human systems framework, age-related stages of development with special attention to life crises related to each stage, and identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminist, racial, ethnic and alternate life styles. PREREQ: SW 201, SO 101 and P 101.

SW 380 SOCIAL WORK STATISTICS AND RESEARCH METHODS (3.0-3)(S). Provides an introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. PREREQ: SW 301, SW 321.

SW 385 SOCIAL WORK METHODS-CASEWORK (3.0-3)(F/S). Examines skills employed to serve individuals and families. Communication skills, problem solving process and case recording. PREREQ: SW 301, SW 321.


SW 433 SOCIAL UTILITIES AND PERSONAL SERVICES FOR THE ELDERLY (3.0-3)(S). This course includes policy issues and services that are or should be available to all aged, and special services that must be available for the frail, impaired and isolated aged. Content survey includes the Social Security Act, the Older American Act and its amendments, the programs and benefits including cash income support programs and non-cash income support programs, housing and occupational programs. Agencies and organizations will also be covered, as well as social services—eligibility and utilization. PREREQ: SO 325, P 313, B 300, or PERM/INST.

SW 435 SOCIAL WORK METHODS-ORGANIZATION (3.0-3)(S). Dynamics of group behavior, understanding group interaction and the processes of working with groups are covered. PREREQ: SW 301, SW 321.

SW 480 FIELD WORK I (3-0-3)(F). Requires the student to work sixteen clock hours per week, as a practicing social worker under the teaching supervision of a professionally trained and experienced social worker. Must apply for admission into the field work program November preceding Fall registration period. PREREQ: SW 301, 321, 380, 385; Cum GPA: 2.5; Major GPA: 3.0. PERM/INST.

SW 481 FIELD WORK II (0-16-5)(S). Continuation of Field Work I. PREREQ: SW 480 and PERM/INST.

SW 498 SENIOR LEVEL SEMINAR (1-0-1)(F). Facilitates and encourages the student's development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 480.

SW 499 SENIOR LEVEL SEMINAR (1-0-1)(S). Continuation of SW 498. Must be taken concurrently with SW 480.
SOCIOLGY MAJOR
Bachelor of Science Degree

1. General University Requirements
   Total Credits ........................................... 51

2. Ethnic Studies Requirements:
   a. LOWER DIVISION CREDITS .......................... 15
      Introduction to Multi-Ethnic Studies SO 230 .................. 3
      Cultural Anthropology AN 102* .................................. 3
      Ethnic Literature Courses ........................................... 3
      Minorities in U.S. History HY 261 ................................. 3
   b. UPPER DIVISION CREDITS .......................... 12
      Minorities in U.S. History HY 261* ............................... 3
      Ethnic Literature Courses ......................................... 3
   c. ETHNIC COURSES
      Total Ethnic Credits ...................................... 30
      (List of approved course offerings is available from Program
      Supervisors)

3. Total General Electives ................................... 29
   Total Credits for Graduation ................................. 128

MINI-ETHNIC STUDIES
Bachelor of Arts Degree

A. Requirements ............................................ 9
   Intro to Multi-Ethnic Studies SO 230 ......................... 3
   Minorities in U.S. History HY 261* .............................. 3
   Ethnic Literature Courses ..................................... 3

B. Ethnic Courses Electives .............................. 12
   List of approved courses available from Program Supervisors.

Recommended Programs

SOCIOLOGY PROGRAM

Following is a suggested sequence of courses for the Bachelor of Arts or Science degree. An asterisk (*) marks each course that is not required, but recommended for a well-rounded program.

FRESHMAN YEAR

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<td>Concepts of Biology B 100*</td>
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<td>Math for Liberal Arts Students M 100*</td>
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<td>American National Government PO 101*</td>
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<td>General Psychology P 101*</td>
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<td>Theories of Society SO 201</td>
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<td>Computer Applications SO 210</td>
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<td>Area I Electives (Core)</td>
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JUNIOR YEAR

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<tr>
<td>Elem Social Statistics SO 310</td>
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<td>Social Research SO 311</td>
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SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3)(AREA II). Groups, organizations and societies. Their impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

SO 102 SOCIAL PROBLEMS (3-0-3)(AREA II). Problems that arise due to breakdown of norms and value consensus in society, the causes and solutions to these problems. The student is challenged to continually reexamine his/her own values in reference to the problems under consideration.

SO 121 DATING AND MARRIAGE (3-0-3)(S). An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each expanded at length in popular culture but usually ignored as a serious subject of academic examination. The course will emphasize factual knowledge, self understanding and a sociological perspective on marriage in a changing society.

SO 201 THEORIES OF SOCIETY (3-0-3)(F). Introduction to the major analytical and interpretive contributions of Sociology towards an understanding of the nature and causes of human behavior in society. PREREQ: SO 101.

SO 210 COMPUTER APPLICATIONS IN SOCIAL SCIENCE (3-2-4)(F/S). The objectives of this course are (a) to develop an understanding of computer applications of social science data and (b) to provide students an experience in the collection and analysis of social data with increased ease via the computer.

SO 230 INTRODUCTION TO MULTI-ETHNIC STUDIES (3-0-3)(F/AREA II). This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems; viz, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

SO 290 (CR 290) SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F). (Cross listed CR 290.) An introductory survey course covering broadly the kinds of conflict that occur between persons, groups, organizations, and societies, with attention to why these conflicts arise, a range of peaceful solutions to conflicts using non-violent, non-adversarial methods. The course ranges from inner personal conflict and ends with the international nuclear arms race. This course may be taken for either CR or SO credit but not both.


SO 310 ELEMENTARY SOCIAL STATISTICS (3-2-4)(F/S). The application of measurements to social research data. Basic statistical measures, techniques for their application, meaning and use in research. Recommended for majors to be taken in the junior year and followed by SO 311. PREREQ: SO 101, high school algebra. Upper division status.

SO 311 SOCIAL RESEARCH (3-0-3)(S). An introduction to the empirical basis of modern sociological methods of research design and the statistical analysis of social data. PREREQ: SO 101, 310 and upper division status.

SO 320 RADICAL SOCIOLOGY (3-0-3)(F). Analysis of contemporary radical power theory and its application in the study of modern socio-economic problems. This course will examine issues of social importance from the perspective of conflict theory, new-Marxian and Eliot theory. PREREQ: SO 101 and upper division status. Alternate even years.

SO 325 SOCIOLOGY OF AGING (3-0-3)(F/S). Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. PREREQ: SO 101 and upper division status.

SO 330 SOCIOLOGY OF VIOLENCE (3-0-3)(F). The incidence of deliberate injury of one human by another is analyzed in terms of social and cultural patterns that act to produce, alter or discourage acts of violence. The various forms of violence may take are examined from a sociological perspective. PREREQ: SO 101 and upper division status. Alternate years.

SO 331 DEVIANT BEHAVIOR (3-0-3)(F). Analysis of behaviors which violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies—those labeled deviant or those doing the labeling. Alternate odd years. PREREQ: SO 101, upper division status.

SO 348 SOCIOLOGY OF THE FAMILY (3-0-3)(F/S). An analysis of courtship, marriage, kinship and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. PREREQ: SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3)(F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

SO 361 SOCIOLOGY OF WORK (3-0-3)(F/S). The social organization of work is examined in historical and contemporary perspectives. Alternate even years. PREREQ: SO 101, upper division standing.

SO 362 (CR 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). (Cross listed CR 362.) Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state, and federal correctional institutions. This course may be taken for either CR or SO credit but not both.

SO 370 SOCIOLOGY OF LAW (3-0-3)(S). Law enactment, enforcement and adjudication are studies as social acts with social consequences. Theories and practices of legal action and other rules in two basic areas: 1) the relationship between the social structure. PREREQ: SO 101 and upper division status. Alternate years.

SO 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course examines sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology credit but not for both. PREREQ: P 101, SO 101 and upper division status.

SO 380 (CR 380) ADVANCED SOCIOLOGY (3-0-3)(F). A survey of research literature and theory in Political Sociology including attitudes, values, power structure, parties and political participation in the U.S. This course will examine the pluralistic nature of society from the sociological perspective. PREREQ: SO 101 and upper division status. Alternate years.

SO 390 CONFLICT MANAGEMENT (3-0-3)(F). Examination of the causes of conflict, conflict management theory and conflict management techniques applied in interpersonal, intergroup, organizational and community settings. Discussion and analysis of group and interpersonal conflict focusing on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation and reconciliation. Students may not receive credit for both SO 390 and CM 390. PREREQ: SO 290 or CM 111, upper division standing.

SO 395 THE SOCIOLOGY OF PEACE AND WAR (3-0-3)(S). This course will focus on resolving violent conflicts between nations. It will survey the interpretations of war and peace of legal and other scholarly traditions. It will examine the relationship between the enabling institutions of war and the nature and evolution of modern societies, and 2) emergent proscriptions, strategies and social movements which involve actions, attitudes and way of life directed towards creating a more peaceful future. PREREQ: SO 290 and upper division standing.

SO 400 SOCIOLOGICAL THEORY (3-0-3)(F/S). In depth examination of Social Theory from the Enlightenment to the present which may have relevance for contemporary society. Study of social research and social practice. PREREQ: SO 202, SO 201, and upper division standing.

SO 403 SOCIAL CHANGE (3-0-3)(F/S). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper division standing. Alternate years.


SO 410-411G ADVANCED SOCIAL STATISTICS (3-2-4)(S). The methods of non-parametric statistics in the analysis of sociological data are examined in depth with application to research. PREREQ: SO 101, SO 310 and upper division status.

SO 411-411G ADVANCED RESEARCH METHODS (3-0-3)(F). The application of research methods for examination and explanation of social data, causal inference and theory construction. The student will gain experience in designing and completing research projects. PREREQ: SO 101, SO 311, SO 410, and upper division status.

SO 415 JUVENILE DELINQUENCY (3-0-3)(S). Social causes of juvenile delinquency. Solutions that are discussed arise from theories which suggest changing society more than the individual delinquent. Positive and negative activities of the juvenile justice system are also reviewed. PREREQ: SO 101, upper division standing.

SO 417 CRIMINOLOGY (3-0-3)(F). Examines the social causes of criminal behavior, relevant research, treatment programs, and the criminal justice systems. The student is challenged to question who has wrongful whom—the criminal or the system. PREREQ: SO 101, upper division standing.

SO 421 SOCIAL INEQUALITY (3-0-3)(S). How inequalities of wealth, income and prestige occur. How such inequalities affect style of behavior, personal
human interaction, theory, research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. PREREQ: Senior standing. PERM/INST.

SO 490 SENIOR PRACTICUM (1-7-3)(F, S). This course requires students to complete experiential learning at sites selected in consultation.


SS SOCIAL SCIENCE

Lower Division

SS 298 SEMINAR: THE AMERICAN CITIZEN (3-0-3)(F/S). An examination of the way in which Americans have conceived of the role of "citizen" with respect to public affairs, the definition of the public domain and the range of public roles.

Upper Division

SS 498 SEMINAR: SOCIAL SCIENCES & PUBLIC AFFAIRS (3-0-3)(S). An intensive seminar focusing on selected topics from theory and research which bear on the contributions of the Social Sciences to Public Affairs.
College of Business

Dean: Thomas E. Stitzel, Ph.D.
Associate Dean: Bong Shin, Ph.D.
Director of Graduate Studies: David F. Groebner, Ph.D.
Director of Research & Planning: Ronald R. Stone, MBA
Director of College of Business Student Services Center: Janet M. Centanni, MEd.

The College of Business at Boise State University is comprised of the five academic departments whose programs are described on the following pages and three Centers:

- **Center for Management Development:** James A. Acee, Director
- **Idaho Business & Economic Development Center:** Ronald Hall, Director
- **Center for Economic Education:** Gerald F. Draayer, Director

The mission of the College of Business is to provide leadership in business and economics in fulfillment of its designation by the State Board of Education for “primary emphasis.” In teaching, the College prepares undergraduate and graduate students for management and leadership responsibilities. In research, the College utilizes the resources of the region to extend knowledge of business and management. In service, the College advances the state’s economy through research, publications, technical assistance, and non-credit professional development programs directed at Idaho’s work force. The mission requires:

1. providing opportunities for individual growth and life-long learning,
2. enhancing students’ critical thought processes to prepare them for management and leadership responsibilities (see additional comments below),
3. increasing the quality of teaching and research,
4. contributing to the economic growth and well-being of Idaho and the Northwest through applied research,
5. establishing educational partnerships between the College and other public and private organizations, and
6. responding to new or special needs for research and education.

Students’ critical thought processes and management proficiencies are developed through a curriculum which provides significant exposure to arts and sciences core and elective coursework (comprising a minimum of 40 percent of the total degree requirements), a broad foundation of required business core courses, and frequent opportunities to practice computer and written-oral communication skills in advanced courses in the major. The increasingly significant implications of a global economy are stressed throughout the curriculum, and students have extensive opportunities to apply their analytical and problem-solving skills in actual business start-up and operational situations through Small Business Institute projects, consulting opportunities with the College’s Idaho Business and Economic Development Center, the Internship Program (see additional descriptions of internships below), and in a number of specific class assignments. As a further enriching dimension, students will encounter numerous leaders in business and management through the College’s various speaker programs.

**Accreditation**

The College of Business’ baccalaureate and MBA programs are accredited by the American Assembly of Collegiate Schools of Business (AACSB), the nationally recognized accrediting agency for programs in business administration and management. Approximately one in five business programs, nationwide, have achieved this important recogni-