College of Arts and Sciences

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

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

Philosophy
The philosophy of the college is to provide students with quality academic programs in the Arts, Humanities, and Sciences in addition to establishing innovative curricula and needed programs to meet the constantly changing demands of a highly technological and urban society.

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
   - Sciences — Biology, Chemistry, Construction Management (with the College of Business), Earth Science, Geology, Geophysics, Mathematics, and Physics.

   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. Geology (Master of Science), in cooperation with Idaho State University;
   c. Geophysics (Master of Science), in cooperation with the University of Idaho and Idaho State University;
   d. Secondary Education (Master of Arts or Science), with majors in various departments. See Graduate College, College of Education listed elsewhere in this catalog.
   e. To offer undergraduate preparation in pre-Engineering, pre-Forestry and Wildlife Management, and pre-Architecture.
   f. To offer elective and service courses for students majoring in other college 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. 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 student tours to such events as the Shakespeare Festival in Ashland, Oregon.
## 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:
  - Concepts Anatomy & Physiology Z 107;
  - Human Anatomy & Physiology Z 111, 112;
  - General Zoology Z 130 ...................................................... 4
- Biology electives at the 200 level or higher with at least one upper division course ......................................................... 10-14
- **TOTAL 22**

### CHEMISTRY MINOR
- College Chemistry C 131, 132, 133, 134 ................................ 9
- Organic Chemistry C 317, 318, 319 ........................................ 8
- One of the following pairs of courses:
  - Quantitative Analysis C 211, 212;
  - Physical Chemistry C 321, 322;
  - Intro to Biochemistry C 431, 432 ........................................ 4-5
- *Math and/or Physics prerequisite
- **TOTAL 21-22**

### CONSTRUCTION MANAGEMENT MINOR
- Engineering Graphics EN 108 ............................................. 2
- Construction Blue Print Communications CO 235 ................... 2
- Intro Management of Construction CO 240* ......................... 3
- Contracts & Specifications CO 246* ................................... 3
- Cost Estimating & Bidding CO 370 ..................................... 3
- Construction Operations & Improvements CO 374* ................. 3
- Project Scheduling and Control CO 417* .............................. 3
- *Math and/or Physics prerequisite
- **TOTAL 19-20**

### 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 19**

### MATHEMATICS 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:
  - 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 .................................................. 9
- **TOTAL 19-22**

### MUSIC MINOR
- Concert Class MA 010 (two semesters) ............................... 0
- Materials of Music I-II MU 119, 120 ..................................... 8
- 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) .................. 0
- Voice Class (MA 180) or Begin Guitar and/or Intern Guitar Class (MA 127, 128) .................................................. 2
- Music Elective—Upper Division ......................................... 5
- **TOTAL 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 ................. 1
- Modern Physics PH 311*, 312 ............................................. 6
- One of the following:
  - 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
- OR
- 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**

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**Department of Art**

**College of Arts and Sciences**

Liberal Arts Building, Room 252  
Telephone (208) 358-1230

Chairman and Professor: Louis A. Peck;  
Professors: Blankenship, Heap, Huff, Killmaster, Kober, Roberts, Russell, Skov, Takehara;  
Associate Professors: Benson, Douglass, Hoopes, Miller, Oravez, Smith, Taye, Taylor;  
Assistant Professors: Egnaczak, Shurtleff;  
Visiting Professor: 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 Art—Bachelor of Arts Program**

**General University & Basic Core Requirements**

**Credits** ................................................................. 51

**Art Major Requirements**

**Painting and-or Watercolor** AR 113, 114, 217, 218 .......... 6
**Drawing** AR 111, 112 .................................................. 6
**Art History** ......................................................................... 9
**Design** AR 105, 106 ..................................................... 6
**Ceramics** AR 225 .......................................................... 2
**Sculpture** AR 231 .......................................................... 2
**Printmaking** AR 209 ...................................................... 2
**Art Metals** AR 221 .......................................................... 2
**Senior Seminar** AR 498 .................................................. 3
- **TOTAL 38**

**Major Emphasis**

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

**Electives**

**Credits** ................................................................. 39

**TOTAL 128**

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39
### Art Education—Bachelor of Arts Program

#### General University & Basic Core Requirements

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<tr>
<td>Crafts AR 123</td>
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Education Requirements for Qualification Toward State Certification. Refer to the Department of Teacher Education listing in the College of Education for complete information.

Intro Secondary Teach: Clsm Obs TE 172 1
Foundations of Education TE 201 3
Educational Technology TE 356 2
Educating Exceptional Secondary Student TE 333 1
Reading in Content Subject TE 407 3
Secondary School Methods TE 381 3
Educational Psychology P 325 3
Art Methods in Secondary Schools AR 351 3
Elementary School Art Methods AR 321 3
Secondary Student Teaching 10-16 32-38
Elective Credits 0-4
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 Requirements

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#### Art Major Requirements

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<td>Advertising Illustration AR 361</td>
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<td>Basic Design AR 105, 106</td>
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<tr>
<td>Lettering-Lettering &amp; Layout AR 107, 108</td>
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Elective Credits 24
TOTAL 128

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

### Art 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.

**A total of 6 credits, 2 of each in Drawing, Painting, and Design may be applied to the 20 hour major requirement in the Area of Watercolor, Ceramics, Sculpture, Printmaking, Art Metals, Photography, and Art History.

### Art Education—Bachelor of Fine Arts Degree

#### General University & Core Requirements

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#### Art Major Requirements

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TOTAL 65

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.

**A total of 6 credits, 2 of each in Drawing, Painting, and Design may be applied to the 20 hour major requirement in the Area of Watercolor, Ceramics, Sculpture, Printmaking, Art Metals, Photography, and Art History.

### Art-Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis

#### General University & Core Requirements

<table>
<thead>
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<tr>
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<tr>
<td>Senior Seminar AR 498</td>
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</table>

NOTA: 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 Major Emphasis

A total of 14 credit hours from any Art Field will constitute the Major Emphasis.

**A total of 6 credits, 2 of each in Drawing, Painting, and Design may be applied to the 20 hour major requirement in the Area of Watercolor, Ceramics, Sculpture, Printmaking, Art Metals, Photography, and Art History.
Electives
Professional Electives ........................................ 27
TOTAL ......................................................... 128

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 ......................................................... 128

Recommended Programs

**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 General-Painting, Drawing or Art History

FRESHMAN YEAR
Survey Western Art AR 101, 102 ............................. 3
Art History AR 301 .............................................. 3
Basic Design AR 105 ............................................. 3
Painting AR 113, 114 .......................................... 3
English Composition E 101-102 .............................. 3
AREA II—AREA III ............................................ 16
**Painting AR 215, 216 ........................................ 2
Sculpture AR 231 ................................................ 2
Electives ......................................................... 15
TOTAL ......................................................... 15

SOPHOMORE YEAR
Anatomy AR 211 ................................................ 2
Ceramics AR 225 ................................................ 2
AREA I—AREA II ............................................... 17
**Studio in Printmaking AR 309 .............................. 3
**Studio in Printmaking AR 409 .............................. 3
Upper Division Electives ...................................... 4
**Studio Drawing AR 411 .................................... 4
TOTAL ......................................................... 17

JUNIOR YEAR
Art History AR 301 .............................................. 3
**Studio in Printmaking AR 309 .............................. 3
AREA I—AREA II ............................................... 3
Upper Division Electives ...................................... 4
AREA III—AREA I .............................................. 4
**Studio in Printmaking AR 409 .............................. 3
Upper Division Electives ...................................... 6
TOTAL ......................................................... 15

SENIOR YEAR
Senior Seminar AR 498 ...................................... 3
**Studio in Printmaking AR 409 .............................. 3
Upper Division Electives ...................................... 6
**Studio Drawing AR 411 .................................... 6
TOTAL ......................................................... 15

ART MAJOR
BFA Drawing Major or Painting, Art History

FRESHMAN YEAR
Survey Western Art AR 101, 102 ............................. 3
Drawing AR 111, 112 .......................................... 3
Art History AR 301 .............................................. 3
Basic Design AR 105, 106 .................................... 3
English Composition E 101-102 .............................. 3
AREA II—AREA III ............................................ 16
**Advanced Drawing AR 311 ................................ 2
**Studio Drawing AR 411 .................................... 2
Upper Division Electives ...................................... 8
TOTAL ......................................................... 17

SOPHOMORE YEAR
Anatomy—Life Drawing AR 211, 212 ....................... 2
Painting AR 215, 216 .......................................... 2
**Intro to Printmaking AR 209 .............................. 2
**Intro to Printmaking AR 209 .............................. 2
Sculpture AR 231 ................................................ 2
**Studio in Printmaking AR 309 .............................. 2
**Studio in Printmaking AR 409 .............................. 2
Upper Division Electives ...................................... 8
**Studio Drawing AR 411 .................................... 8
TOTAL ......................................................... 15

JUNIOR YEAR
**Advanced Drawing AR 311 ................................ 3
**Studio Drawing AR 411 .................................... 3
AREA I Literature—AREA II .................................. 3
**Studio Drawing AR 411 .................................... 3
Upper Division Electives ...................................... 6
**Studio Drawing AR 411 .................................... 6
TOTAL ......................................................... 15

**20 credits constitutes a major. If your major is drawing 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

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

TOTAL: 128 credits, including 40 Upper Division Credits.

ART EDUCATION MAJOR
BACHELOR OF ARTS

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<td>2</td>
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<tr>
<td>Watercolor AR 217, 218</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ceramics AR 225</td>
<td>-</td>
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<tr>
<td>Intro to Printmaking AR 209</td>
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<td>-</td>
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<td>AREA I Literature—AREA II</td>
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<td>-</td>
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<td>Electives</td>
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<td>TOTAL</td>
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<th>JUNIOR YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<td>AREA I 1-3rd Field</td>
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<th>SENIOR YEAR</th>
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<td>Sculpture AR 231</td>
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<td>-</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Educational Technology TE 356</td>
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<td>TOTAL</td>
<td>18-24</td>
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TOTAL: 128 credits, including 40 Upper Division Credits.
### BACHELOR OF FINE ARTS

#### ART COURSES

- **AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2FS)** 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 (3-0-3F) (AREA I)** A historical survey of painting, sculpture, and architecture from Prehistoric Art through the Middle Ages.

- **AR 102 HISTORY OF AMERICAN ART (3-0-3F) (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 103 INTRODUCTION TO ART (3-0-3F) (AREA I)** A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms.

#### ENGLISH COURSES

- **ENGLISH COMPOSITION E 101-102 (3-0-3)**

#### MATHEMATICS COURSES

- **ALGEBRA TRIGONOMETRY M 111 (3-0-3)**

#### PHYSICS COURSES

- **GENERAL PHYSICS PH 101-102 (4-0-4)**

#### ADVERTISING DESIGN

#### BACHELOR OF ARTS

- **FRESHMAN YEAR SEM**
  - **1st SEM**
    - **Survey Western Art AR 101, 102**
    - **Basic Design AR 105, 106**
    - **Lettering AR 107**
    - **Lettering & Layout AR 108**
    - **Drawing AR 111, 112**
    - **English Composition E 101-102**
  - **2nd SEM**
    - **AREA II**
    - **Additionally**
      - **16 credits**

- **SOPHOMORE YEAR SEM**
  - **1st SEM**
    - **Painting AR 113-114**
    - **Advertising Design AR 203, 204**
    - **Anatomy AR 211**
    - **Intro Creative Photo AR 251**
    - **Intro to Printmaking AR 209**
    - **AREA I**
    - **AREA II**
    - **AREA III**
    - **Elective**
  - **2nd SEM**
    - **16 credits**

- **JUNIOR YEAR SEM**
  - **1st SEM**
    - **Watercolor AR 217, 218**
    - **Studio in Advertising Design AR 303**
    - **Studio in Advertising Illustration AR 361**
    - **AREA I**
    - **AREA II**
    - **AREA III**
    - **Elective**
  - **2nd SEM**
    - **16 credits**

- **SENIOR YEAR SEM**
  - **1st SEM**
    - **Senior Seminar AR 498**
    - **AREA I**
    - **AREA II**
    - **AREA III**
    - **Elective**
  - **2nd SEM**
    - **16 credits**

#### Upper Division Electives

- **4 credits**

### Course Offerings

See page 19 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 (0-4-2FS)**
  - **AR 101 SURVEY OF WESTERN ART I (3-0-3F) (AREA I)**
  - **AR 102 HISTORY OF AMERICAN ART I (3-0-3F) (AREA I)**
  - **AR 103 INTRODUCTION TO ART I (3-0-3F) (AREA I)**
  - **AR 105 BASIC DESIGN I (2-2-3F) (AREA I)**

- **AR 106 BASIC DESIGN II (2-2-3F) (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 (0-4-2F) (AREA I)**
  - A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout.
AR 222 CERAMICS (0-4-2)(F). An introduction to ceramics technique and materials. Wheelthrowing, hand building, decoration, glazing and firing will be given. Enrollment is limited. Advisable to take AR 105 and 106 prior to AR 222.

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)(FS). 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)(S). 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.

AR 255 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3). Study of architectural presentation techniques, including rendering, light and shadows, model building, use of color. Also study of basic orthographic projection, including plans, elevations and sections. Advisable to take AR 105 and AR 106 and AR 253 before enrolling in AR 256 Basic Architectural Design.

AR 256 BASIC ARCHITECTURAL DESIGN (1-4-3). Introduction to the process of architectural design. Combines basic architectural projects with presentation techniques learned in AR 255 Architectural Graphic Communication. Advisable to take AR 105, AR 106 and AR 253 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 sections of 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). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. PREREQ: AR 204 or PERM/INST.

AR 304 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 311 ADVANCED DRAWING (0-6-3)(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 211, 222.

AR 315 STUDIO IN PAINTING (0-6-3)(S). 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 a realistic or semi-abstract style, 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/S). Advanced 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 325. Individual instruction will be given. May be repeated once for credit.

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 341 STUDIO IN 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 231 prior to AR 341.

AR 344 STUDIO IN 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 231 or PERM/INST.

AR 345 STUDIO IN CREATIVE PHOTOGRAPHY (2-4-3)(F/S). 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 231 or PERM/INST.

AR 346 PHOTOGRAPHY: ZONE SYSTEM (2-4-3). This course deals with the important relationship that exists between the negative and the print in photography. This course will provide systematic understanding 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 231 or PERM/INST.

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

AR 361 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F/S). Advanced study emphasizing techniques and methodology of creating artwork for ads. Fundamental approaches to story, product, fashion and other forms of 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 371 HISTORY OF TWENTIETH CENTURY AMERICAN ART (3-0-3)(F). Beginning with a short survey of American Art from the Ashcan School through the Thirties to the creative artist or teacher. Advisable to take AR 325 and 326 prior to AR 371.

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

AR 415 STUDIO IN PAINTING (0-6-3)(F/S). 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/S). 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/S). Continued study in metals and methods (advanced) of jewelry making and metalsmithing as they apply to the creative artist and teacher. May be repeated for credit. PREREQ: AR 325 and 326.

AR 425 STUDIO IN CERAMICS (0-6-3)(F/S). Advanced 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/S). Continued study in the material and methods of the sculptor with emphasis on welded steel and casting, carving, mixed media, and experimental. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.
Biology Minor

General Botany BT 130 ........................................... 4
One of the following: ................................................ 5-8
*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 Requirements
Credits ................................................................. 30

2. Major Requirements
Credits .......................... 68

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, 499 ...................................... 1

Physiology—one course ........................................... 4

Plant Physiology BT 401 ........................................... 4
Human Physiology Z 401 ........................................... 4
Gen & Comp Physiol Z 409 .................................... 2

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 45 credits .......................... 2-17

Chemistry ................................................................ 14
College Chemistry C 131-134 ................................... 9
Organic Chemistry C 317, 319 ................................... 5

Mathematics ............................................................... 9
Algebra & Trigonometry M 111 .................................. 5
Four or more credits chosen from the following:

A First Course in Programming CS 122 .................... 2
Introduction to Computer Science CS 327 ................. 4
Calculus and Analytic Geometry M 204 ..................... 5

Digital Computer Program EN 104 or CS 124 ............ 2

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

The following are required for Secondary Teaching
Certification in Idaho: ................................................. 29-35

Intro Second Teach: Clsrm Obs TE 172 .................. 1
Found of Education TE 201 ..................................... 3
Reading in Content Subject TE 407 ......................... 3
Educ Except Secondary Student TE 333 .................... 1
Educational Technology TE 356 .............................. 2

Secondary School Methods TE 381 ............................ 3
Secondary School Science Methods TE 384 ............... 3
Secondary School Student Teaching ......................... 10-16

4. Elective Credits ..................................................... 0-1

*A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.
**A Biology Major without a minor requires 45 Biology credits. A Biology 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 Requirements
Credits ................................................................. 30

2. Major Requirements in Biology Credits .................. 30

3. Minor Endorsement in BiologyCredits ...................... 24**

General Botany BT 130 ........................................... 4
General Zoology Z 130 ........................................... 5
Cell Biology B 301 .................................................. 3
Genetics B 343-344 ................................................ 4
Elective course in Botany ........................................ 4
Elective course in Zoology ....................................... 4

TOTAL 22

Secondary Education Option—Minor Endorsement
1. General University and Baccalaureate Degree Requirements
Credits ................................................................. 30

2. Major Requirements in Biology Credits .................. 30

3. Minor Endorsement in BiologyCredits ...................... 24**

General Botany BT 130 ........................................... 4
General Zoology Z 130 ........................................... 5
Cell Biology B 301 .................................................. 3
Genetics B 343-344 ................................................ 4
Elective course in Botany ........................................ 4
Elective course in Zoology ....................................... 4

TOTAL 22

Recommended Program

BIOLOGY MAJOR
Bachelor of Science Degree

FRESHMAN YEAR

English Composition E 101-102 ............................... 3 3
General Botany BT 130 ........................................... 4
General Zoology Z 130 ........................................... 5
College Chemistry C 131-134 ................................... 5
Mathematics .......................................................... 5

SOPHOMORE YEAR

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

JUNIOR YEAR

Genetics B 343 ....................................................... 3
Electives (Area I, II) ............................................... 3
Elective (Area I) .................................................... 3
Other Electives ...................................................... 3

SENIOR YEAR

Ecology B 423 ....................................................... 4
Biology Seminar B 498 ........................................... 1
Biology Electives .................................................... 4
Other Electives ...................................................... 7

16 17-18

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

FRESHMAN YEAR

English Composition E 101-102 ............................... 3 3
Cell Biology B 301 .................................................. 3
Foundations of Education TE 201 ............................. 5
College Chemistry C 131-134 ................................... 4
Mathematics .......................................................... 5

SOPHOMORE YEAR

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

15 15
JUNIOR YEAR
Educational Psychology P 325 ........................................... 3
Secondary School Methods TE 381 .................................... 3
Secondary School Science Methods TE 384 ......................... 3
Electives (Area I, II) ......................................................... 6
Genetics, B 343 .......................................................... 3
Biology Electives .......................................................... 4

SENIOR YEAR
Biology Seminar .......................................................... 1
Biology Electives .......................................................... 5
Education Courses ...................................................... 4
Other Electives ........................................................... 3

PRE-FORESTRY AND WILDLIFE MANAGEMENT
This program is designed to satisfy the lower division coursework typically completed during sophomore year in a School of Forestry. Students wishing to earn a bachelor’s degree in this area of study usually transfer to the University of Idaho School of Forestry for their junior and senior years.

FRESHMAN YEAR
1st SEM
English Composition E 101-102 .......................................... 3
General Botany BT 130 .................................................... 4
General Zoology Z 130 .................................................... 5
Essentials of Chemistry C 107-110 ................................. 4
Mathematics ................................................................... 5

2nd SEM
General Physics PH 101, 102 .............................................. 4
General Forestry FS 101 .................................................... 2
Systematic Botany BT 305 ............................................... 4
Fundamentals of Speech CM 111 ...................................... 3
Basic Surveying EN 215 ................................................. 2
Digital Computer Programming EN 104 ......................... 2
Principles of Economics EC 201-202 .............................. 3
Physical Education ....................................................... 1

TOTALS ........................................................................ 15

Course Offerings
See page 19 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)(FS).
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)(FS).
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.

Upper Division

B 300 BIOLOGY OF AGING (3-0-3)(FS).
Focuses on biological aspects of aging and the major types of anatomical and physiological processes which may impair normal functioning during the aging process. This course is not appropriate for Biology majors and may not be counted toward major requirements. Offered alternate years. PREREQ: Upper Division standing and B 100 or Z 107 or Z 111-112.

B 301 CELL BIOLOGY (3-0-3)(FS).
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).
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)(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 303, 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 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 alternate years. PREREQ: B 301 or PERM/INST.

B 412 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 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 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 ECOLOGY (3-3-4)(FS).
A survey of the physical factors of the environment and their effect on man's life and distribution of plants and animals. Environmental and biological interrelationships 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: BT 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
B 115 MUSHROOMS OF IDAHO (2-0-2)(F).
A survey of the fleshly fungi with emphasis on collecting and identifying species of Idaho mushrooms. Edible and poisonous species will be discussed. Weekend field trips arranged.

B 130 GENERAL BOTANY (3-3-4)(FS) (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

B 302 PLANT ANATOMY (3-3-4)(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.

B 305 SYSTEMATIC BOTANY (2-4-4)(FS).
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.

B 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.

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

B 401 PLANT PHYSIOLOGY (3-3-4)(F).
Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions; mineral requirements, metabolism, water uptake, photosynthesis; soil chemistry, and the alkaloids and glucosides synthesized by plants. BT 302 and PH 101, 102 recommended. Offered odd-numbered years. PREREQ: BT 303, C 317, PERM/INST.

F5 FORESTRY

Lower Division
F5 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.
Department of Chemistry

Science-Nursing Bldg., Rm. 315 Telephone (208) 385-3963

Chairman and Professor: Richard Banks; Professors: Carter, Dalton, Ellis, Hibbs, Matjeka, Mercer, Stark.

Degrees Offered

- BS in Chemistry
- BS in Chemistry, Secondary Education

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Department Statement

The Chemistry Department’s goal is to provide degree candidates with a thorough understanding of the fundamentals of chemistry, interwoven with training in up-to-date procedures and state-of-the-art instrumentation.

A BSU graduate with a major in chemistry can by choosing from a variety of courses, be prepared to enter graduate school, medical or other professional schools, teach in high school, or work as a chemist in a variety of careers.

The Chemistry curriculum of Boise State University offers an education 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 and professional schools.

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

   General Requirements ........................................ 54-62
   English Composition E 101, 102 ................................ 6
   Area I Core ......................................................... 12
   Area II Core ........................................................ 12
   Electives, Lower and Upper Division .......................... 24-32

   Chemistry ........................................................... 46
   College Chemistry C 131, 132, 133, 134 ..................... 9
   Organic Chemistry C 317, 318, 319, 320 .................... 10
   Physical Chemistry C 321, 322, 323, 324 .................. 8
   Quantitative Analysis C 211, 212 .............................. 5
   Advanced Inorganic Chemistry C 401 ............................ 3
   Organic Qualitative Analysis C 440 ............................ 3
   Instrumental Analysis C 411 ..................................... 3
   Chemistry Seminar C 498, 499 .................................. 2
   Independent Study C 496 ........................................... 2
   (Completion of Mathematics through Calculus M 206) .... 10-18

   Mathematics .......................................................... 10-18
   Physics Requirements ............................................ 10
   (PH 211, 212, 213, 214)

2. Recommended Electives:

   Foreign Language

   Upper Division Mathematics

   Upper Division Physics

   Life Science Courses

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

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).

   General Requirements ............................................. 27-35
   English Composition E 101, 102 ................................ 6
   Area I Core ......................................................... 12
   Area II Core ....................................................... 9
   Electives, Lower and Upper Division .......................... 0-8
Major Endorsement Requirements

<table>
<thead>
<tr>
<th>Chemistry</th>
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<tbody>
<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
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<tr>
<td>Quantitative Analysis C 211, 212</td>
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<tr>
<td>Organic Chemistry C 317, 318, 319, 320</td>
</tr>
<tr>
<td>Physical Chemistry C 321, 322, 323, 324</td>
</tr>
<tr>
<td>Chemistry Seminar C 498, 499</td>
</tr>
</tbody>
</table>

| Additional Upper Division Chemistry Courses | 3-4 |
| 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

| Intro Second Teach: Clsrn Obs TE 172 | 1 |
| Foundations of Education TE 201 | 3 |
| Educational Technology TE 356 | 2 |
| Reading in Content Subjects TE 407 | 3 |
| Education of Exceptional Secondary Students TE 333 | 1 |
| Educational Psychology P 325 | 3 |
| Secondary School Science Methods TE 384 | 3 |
| Secondary School Methods TE 381 | 3 |
| Senior High School Student Teaching TE 483 | 10 |

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.

Recommended Programs

### CHEMISTRY MAJOR

<table>
<thead>
<tr>
<th>Bachelor of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
</tr>
<tr>
<td>English Composition E 101, 102</td>
</tr>
<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
</tr>
<tr>
<td>Mathematics M 111, 204</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
</tr>
<tr>
<td><strong>SOPHOMORE YEAR</strong></td>
</tr>
<tr>
<td>Organic Chemistry C 317, 318, 320</td>
</tr>
<tr>
<td>Mathematics M 205, 206</td>
</tr>
<tr>
<td>Physics I PH 211-212</td>
</tr>
<tr>
<td>Physics II PH 213, 214</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
</tr>
<tr>
<td><strong>JUNIOR YEAR</strong></td>
</tr>
<tr>
<td>Physical Chemistry C 321, 322, 323, 324</td>
</tr>
<tr>
<td>Quantitative Analysis C 211, 212</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
</tr>
<tr>
<td><strong>SENIOR YEAR</strong></td>
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<tr>
<td>Advanced Inorganic Chemistry C 401</td>
</tr>
<tr>
<td>Instrumental Analysis C 411</td>
</tr>
<tr>
<td>Organic Qualitative Analysis C 440</td>
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<tr>
<td>Independent Study C 496</td>
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<tr>
<td>Chemistry Seminar C 498, 499</td>
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<td>Degree Requirements or Electives</td>
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### CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION

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<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
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<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
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<tr>
<td>Mathematics M 111, 204</td>
</tr>
<tr>
<td>General Zoology Z 130</td>
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<tr>
<td>General Botany BT 130</td>
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<tr>
<td><strong>SOPHOMORE YEAR</strong></td>
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<tr>
<td>Organic Chemistry C 317, 318, 320</td>
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<tr>
<td>Mathematics M 205, 206</td>
</tr>
<tr>
<td>Physics I PH 211-212</td>
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<tr>
<td>Physics II PH 213, 214</td>
</tr>
<tr>
<td>General Psychology P 101</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
</tr>
<tr>
<td><strong>JUNIOR YEAR</strong></td>
</tr>
<tr>
<td>Physical Chemistry C 321, 322, 323, 324</td>
</tr>
<tr>
<td>Quantitative Analysis C 211, 212</td>
</tr>
<tr>
<td>Educational Psychology P 325</td>
</tr>
<tr>
<td>Reading in Content Subjects TE 407</td>
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<tr>
<td>Degree Requirements or Electives</td>
</tr>
<tr>
<td><strong>SENIOR YEAR</strong></td>
</tr>
<tr>
<td>Upper Division Chemistry Course</td>
</tr>
<tr>
<td>Chemistry Seminar C 498, 499</td>
</tr>
<tr>
<td>Educational Technology TE 356</td>
</tr>
<tr>
<td>Secondary School Methods TE 381</td>
</tr>
<tr>
<td>Secondary School Science Methods TE 384</td>
</tr>
<tr>
<td>Educating Exceptional Students TE 333</td>
</tr>
<tr>
<td>Senior High School Student Teaching TE 483</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
</tr>
</tbody>
</table>

Students who do not have a Chemistry degree may be certified to teach Chemistry in secondary schools. Refer to the Department of Teacher Education section where minor certification endorsements for teaching areas are listed.

### Course Offerings

See page 19 for definition of course numbering system

#### C CHEMISTRY

<table>
<thead>
<tr>
<th><strong>Lower Division</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C 100 CONCEPTS OF CHEMISTRY (3-3-4HS)(AREA III)</strong> 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.</td>
</tr>
<tr>
<td><strong>C 107 ESSENTIALS OF CHEMISTRY (3-0-3S)(AREA III)</strong> 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 &quot;BA&quot; and/or satisfactory completion of Math 020 is required. Coreq: Concurrent enrollment in C 108 is required.</td>
</tr>
<tr>
<td><strong>C 108 LABORATORY FOR ESSENTIALS OF CHEMISTRY (0-3-1S)(AREA III)</strong> The laboratory to accompany C 107. Coreq: Concurrent enrollment in C 107 is required.</td>
</tr>
<tr>
<td><strong>C 109 ESSENTIALS OF CHEMISTRY (0-0-3S)(SU)(AREA III)</strong> A continuation of C 107 to include basic concepts of Biochemistry. Prereq: C 107 and C 108. Coreq: Concurrent enrollment in C 110 is required.</td>
</tr>
<tr>
<td><strong>C 110 LABORATORY FOR ESSENTIALS OF CHEMISTRY (1-3-2S)(SU)(AREA III)</strong> 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 107.</td>
</tr>
<tr>
<td><strong>C 131 COLLEGE CHEMISTRY (3-0-3S)(SU)(AREA III)</strong> 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.</td>
</tr>
<tr>
<td><strong>C 132 LABORATORY FOR COLLEGE CHEMISTRY (0-3-1S)(SU)(AREA III)</strong> Laboratory work to accompany C 131. Coreq: Concurrent enrollment in C 131 is required.</td>
</tr>
<tr>
<td><strong>C 133 COLLEGE CHEMISTRY (3-0-3S)(SU)(AREA III)</strong> A continuation of C 131 to include equilibrium, redox and complex ions. Prereq: C 131, 132.</td>
</tr>
<tr>
<td><strong>C 134 LABORATORY FOR COLLEGE CHEMISTRY (0-6-2S)(SU)(AREA III)</strong> Laboratory work to accompany C 133. To include qualitative analysis. Prereq: C 131, 132.</td>
</tr>
<tr>
<td><strong>C 211 QUANTITATIVE ANALYSIS (3-4-3F)</strong> Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analysis. Prereq: C 131, 132, 133, 134.</td>
</tr>
</tbody>
</table>
Degrees Offered
- BS in Construction Management
- Pre-Engineering

Degree Requirements
CONSTRUCTION MANAGEMENT PROGRAM
Bachelor of Science Degree

Accredited by the American Council for Construction Education (ACCE).
The objective of the Construction Management program is to provide education in mathematics, science, communication, engineering, business and construction so that the construction manager can intelligently relate to and coordinate the efforts of owners, architects, engineers, craftsmen, contractors and other professionals to provide society with construction services of skill, responsibility and integrity.

FRESHMAN
1st SEM 2nd SEM
English Composition E 101-102 ........................................ 3 3
Algebra and Trig M 111 .................................................. 5 -
Engineering Graphics EN 106 .......................................... - 2
Materials & Methods of Architecture AR 290 ...................... 3 -
Elective (AREA I Arts & Humanities) .................................. 3 3
Calculus and Analytical Geometry M 204 ............................ 5 -
Engineering Fund and Comp Prog EN 107 ......................... 3 -
Intro to Management of Construction CO 240 ...................... - 3

SOPHOMORE
General Physics PH 101-102 ............................................. 4 4
Basic Surveying EN 215 .................................................. 2 -
Intro to Financial Accounting AC 205 ................................. 3 -
Construction Blue Print Commun CO 235 .......................... - 2
Elective (AREA II Social Science) ....................................... 3 -
The Legal Environment of Business GB 202 ......................... 3 -
Stat Tech for Decision Making DS 207 ................................. - 3
Intro to Managerial Accounting AC 206 .............................. - 3
Contracts and Specifications CO 246 ................................. - 3
Intro to Mechanics EN 205 .............................................. - 3

JUNIOR
Construction Equipment & Methods CO 320 ......................... 3 -
Mechanics of Materials EN 306 ....................................... 3 -
Human Resource Law MG 330 ......................................... 3 -
Mechanical Installations CO 351 ...................................... 3 -
Principles of Economics-Macro EC 201 ............................... 3 -
Principles of Economics-Micro EC 202 ............................... 3 -
Technical Writing E 202 .................................................. 3 -
Cost Accounting AC 351 .................................................. - 3
Cost Estimating and Bidding CO 370 ................................. - 3
Soil Mechanics and Foundation Const CO 330 ...................... - 3
Principles of Finance FI 303 ............................................. 3 -
Electrical Installations CO 352 ......................................... 3 -

SENIOR
Construct Operations & Improve CO 374 ............................ 3 -
Concrete & Formwork Construction CO 410 ......................... 3 -
Fundamentals of Speech Commun CM 111 .......................... 3 -
Employee & Labor Relations MG 340 ................................ 3 -
Electives (Area I Arts & Humanities) ................................ 3 3
Project Scheduling & Control CO 417 ................................ 3 -
Organizational Behavior MG 401 ...................................... 3 -
Electives .......................................................................... 2 -

1. All Construction Management majors must complete at least 57 credits and have a cumulative grade point average of 2.40 or better before being admitted to any upper division (number 300 and above) business or construction management classes.
2. All construction management classes will be taken several field trips during the semester to be scheduled Friday afternoons.
3. No more than 33 credits may be taken from the College of Business.

The department offers certain graduate courses. See the Graduate College portion of this Catalog for course descriptions.

Department of Construction Management and Pre-Engineering
Math/Geology Building, Room 214A  Telephone (208) 385-3764
Chairman and Professor: Norm Dahm; Professors: Gabert, Parks; Associate Professors: Affleck, Haefel; Assistant Professors: Mason.
Recommended Program

**PRE-ENGINEERING MAJOR**

All of the following courses will transfer to either of Idaho’s two schools of engineering as well as most all other engineering colleges. BSU offers to complete a degree in three semesters after transferring from BSU.

**COMMON CORE FOR ALL BRANCHES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>6</td>
</tr>
<tr>
<td>College Chemistry C 131-132-133*</td>
<td>7</td>
</tr>
<tr>
<td>Calculus &amp; Analytic Geometry M 204-205-206</td>
<td>13</td>
</tr>
<tr>
<td>Engineering Fundamentals &amp; Computer Programming EN 107</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Graphics EN 108</td>
<td>2</td>
</tr>
<tr>
<td>Humanistic-Social Electives (See Advisor)</td>
<td>15</td>
</tr>
<tr>
<td>Mechanics, Waves &amp; Heat + Lab PH 211-212</td>
<td>5</td>
</tr>
<tr>
<td>Electricity, Magnetism &amp; Optics + Lab PH 213-214</td>
<td>5</td>
</tr>
<tr>
<td>Elect. Engr. Circuits EN 227</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Mechanics EN 205</td>
<td>3</td>
</tr>
<tr>
<td>Differential Equations M 331</td>
<td>3</td>
</tr>
<tr>
<td>Mechanics of Materials EN 306†</td>
<td>3</td>
</tr>
<tr>
<td>Fluid Mechanics EN 301†</td>
<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>71</strong></td>
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</table>

* Chemical and Metallurgical majors add C 134.

† Electrical and Mechanical majors substitute EN 227.

**BRANCH VARIATION**

**Agricultural Engineering**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
<td>2</td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Measurements EN 216</td>
<td>2</td>
</tr>
<tr>
<td>Biological Science Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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**Chemical Engineering**

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>Principles of Economics EC 201</td>
<td>3</td>
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<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry C 317-318-319-320</td>
<td>10</td>
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<tr>
<td>Physical Chemistry C 321-322-323-324</td>
<td>8</td>
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<td><strong>TOTAL</strong></td>
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**Civil Engineering**

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<tbody>
<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
<td>2</td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>3</td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Measurements EN 216</td>
<td>2</td>
</tr>
<tr>
<td>Physical Geology GO 101</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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**Electrical Engineering**

<table>
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<tbody>
<tr>
<td>Systems and Circuits II EN 223</td>
<td>4</td>
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<tr>
<td>Technical Writing E 223</td>
<td>2</td>
</tr>
<tr>
<td>Digital Circuits EN 230</td>
<td>3</td>
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<tr>
<td>Electricity &amp; Magnetism PH 381-382</td>
<td>6</td>
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**Mechanical Engineering**

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<tbody>
<tr>
<td>Print of Economics EC 201-202</td>
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<tr>
<td>Elec Systems and Circuits EN 223</td>
<td>4</td>
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<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
<td>2</td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>3</td>
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**ADDITIONAL TRANSFERABLE COURSES**

**COMMON CORE**

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<td>Print of Economics EC 201</td>
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<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
<td>3</td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>2</td>
</tr>
<tr>
<td>Technical Writing E 202</td>
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<tr>
<td>Physical Geology GO 101</td>
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<td><strong>TOTAL</strong></td>
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**Metallurgical Engineering**

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<tr>
<td>Physical Chemistry C 321-322-323-324</td>
<td>8</td>
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<tr>
<td>Math Elective</td>
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**Mining Engineering**

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<tr>
<td>Engineering Measurement EN 216</td>
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<td>Physical Geology GO 101</td>
<td>4</td>
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<td><strong>TOTAL</strong></td>
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**General Engineering (IDAHO STATE)**

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<tbody>
<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
<td>2</td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Measurements EN 216</td>
<td>2</td>
</tr>
<tr>
<td>Fund of Speech Communication CM 111</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**Course Offerings**

See page 19 for definition of course numbering system

**CO CONSTRUCTION MANAGEMENT**

**Lower Division**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO 235 CONSTRUCTION BLUE PRINT COMMUNICATIONS (2-0-20F)</td>
<td>2</td>
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**Upper Division**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO 236 CONSTRUCTION EQUIPMENT &amp; METHODS (3-0-3)F</td>
<td>3</td>
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<tr>
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<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)S</td>
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<td><strong>TOTAL</strong></td>
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<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO 331 MECHANICAL INSTALLATIONS (3-0-3)F</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO 332 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3)F</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CO 370 COST ESTIMATING AND BIDDING (3-0-3)S</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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College of Arts and Sciences
EN 330 THERMODYNAMICS AND HEAT TRANSFER (3-0-3)(F). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. PREREQ: M 206 and PH 211.

EN 382 ENGINEERING ECONOMY (2-0-2). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. PREREQ: Junior standing.

Department of English

Liberal Arts Building, Room 228 Telephone (208) 385-1246
Chairman and Professor: Carol A. Martin; Professors: Boyer, Davis, Leahy, Lojek, Maguire, Martin, Sahni, Trusky, Widmayer, Willis; Associate Professors: Cocotis, Dayley, Fox, Guilford, Papinchak, Sanderson, Zirinsky; Assistant Professors: Ackley, Bumaster, Case, Evett, Hadden, King, McGuire, Nickerson, Ryder, Selander, Thomas, Warner, Zaerr.

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 Education, English emphasis
(see Graduate College for details)

Department Statement

The major in English has traditionally served to develop skills of imagining, reasoning, and communicating. English majors have 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.

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 students most 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 Literature E 240 and E 260
   Shakespeare E 345, 346 .... 3
   Introduction to Language Studies LI 305 .... 3
   History of the English Language LI 309, 310 .... 3
   History of Literary Criticism E 393 .... 2
   Senior Seminar E 498 .... 2
   • Area Requirements American Literature E 271, 272, 378, 384 .... 3
   Pre-1800 British Lit E 340, 341, 348, 349, 350, 351, 356, 358, 359 .... 6
   • Upper Division Electives .... 15
   • Competence in a Foreign Language equivalent to two years of University instruction.

2. BA, English, Secondary Education
   • Specific Courses Survey of British Literature E 240, E 260 .... 6
   Shakespeare E 345, 346 .... 3
   Introduction to Language Studies LI 305 .... 3
   History of Literary Criticism E 393 .... 3
   Senior Seminar E 498 .... 2
6. BA, English, Linguistics emphasis
   • Specific courses:
     Intro to Linguistics LI 305 ........................................... 3
     Applied English Linguistics LI 307 .................................. 3
     History of English Language LI 309 ................................ 3
     Modern English Structure LI 405 .................................. 3
     Applied Linguistics in Teaching ESL LI 407 ...................... 3
     ESL Internship E 493 ................................................... 2
     Senior Seminar E 498 .................................................. 2

   • Area Requirements:
     Old or Middle English Lang or Lit (i.e., E 340) or foreign Lit read in original language 3
     Electives in Lit lower or upper division .......................... 15
     Upper Division electiv in Lit (12 British Lit) .......................... 15
     One year of a Foreign Language  .................................... 6-8
     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 ........................................... 3
     Western World Literature E 230, 235 ............................... 6
     19th & 20th Century Continental Literature E 336, 338 ........ 6
     Medieval Epics & Romance, E 341 .................................... 3
     Shakespeare E 345 or 346 .............................................. 3
     Folklore E 390 ............................................................ 3
     History of Literary Criticism E 393 ................................. 3
     Senior Seminar E 498 .................................................. 2

   • Area Requirements:
     Lower Division Literature E 211,213,217,240,260,271 or 272 .... 6
     English Lit courses from E 340-369 .................................. 9
     Upper Division electives in Lit or Linguistics ...................... 9
     World Drama TA 341, 342, or 445 .................................... 3
     History, other than US or British .................................... 6

8. BA, English, Writing emphasis
   • Specific courses:
     Advanced Expository Comp. E 201 ................................... 3
     Technical Writing E 202 ................................................. 3
     Advanced Writing E 401 .................................................. 3
     Writing Internship E 493 .............................................. 3
     Senior Seminar E 498 .................................................. 2

   • Area Requirements:
     Creative Writing E 205,206,305, or 306 ............................ 6
     Additional upper division writing course .......................... 3
     Linguistics LI 305,306,307, or 309 .................................. 6
     Lower Division Lit electives .......................................... 12
     Additional upper division Lit or ling electives ................. 12
     Interdisciplinary electives, CM 471,473,474, ........................ 6
     HY 210 or HY 480-499, GO 471, LS 311, PY 335, 408 or as approved by English Chair ... 3

   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 Endorsement in English
   Advanced Composition ..................................................... 3
   Linguistics ............................................................... 3
   Methods E 301, 381 ..................................................... 3
   Survey of American Literature E 271, 272 ............................ 3
   Lower Division Literature (To be selected from E 215, 230, 235, 240, 260) .......................... 6
   Upper Division Literature ............................................... 6
   Successful completion of Secondary Option Writing Proficiency Exam .......................... 3

Theatre Arts Minor For English
   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 ............................... 3
The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an opportunity to combine courses in complementary subject areas. Students may select an emphasis in Journalism or in Communication under the combined major. Refer to the Department of Communication listing in this Catalog for the specific requirements.

Course Offerings

See page 19 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 freshman will be required to take only the essay section of the placement tests. See 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

E 010 DEVELOPMENTAL WRITING (1-2-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or TWSE score is below 20th percentile. Also for basic review. Successful completion of competency test required.

E 101 ENGLISH COMPOSITION (3-0-3)(Core). 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 score 20 or 5 in Developmental Writing.

E 102 ENGLISH COMPOSITION (3-0-3)(Core). Advanced practice in expository writing, which may include literary material as a means of teaching critical reading and writing and communication of complex ideas. Successful completion of competency test required. PREREQ: E 101 or PERM/INST.

E 111, 112 HONORS COMPOSITION (3-0-3)(Core). Provides superior student challenge emphasizing individual study and original writing. Introduction to critical writing and study of ideas through literature. Honors 111 concentrates on lyric poetry, essays, and short fiction. Normal prerequisite: ACT of 80th percentile or above for E 111. Successful completion of competency test required. PREREQ: E 111 or PERM/CHMN for E 112.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). Special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. PREREQ: Admission to College, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(F/S). Practice in college level reading and composition; development of special vocabulary skills related to individual needs, advanced English sentence structure. For foreign students with TOEFL scores of 551-575. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. An "A" grade satisfies the E 101 requirement for foreign students.

E 123 ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3)(F/S). Study of and practice in the principles of formal and informal written English, principles of the essay and research paper, continuation of vocabulary development and mastery of the more complex types of English structure. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. A grade of B or better satisfies the E 101 requirement for foreign students.

E 131 INTRODUCTION TO LITERATURE (3-0-3)(F/S). 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 versions and hear recorded editions of some of the works read. PREREQ: Completion of or concurrent enrollment in E 101 or PERM/CHMN.

E 201 ADVANCED EXPOSITORY COMPOSITION (3-0-3)(F/S). 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/CHMN.

E 202 TECHNICAL WRITING (3-0-3)(F/S). 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/CHMN.

E 205 CREATIVE WRITING—POETRY (3-0-3)(F/S). Based on evaluation of student's original work. May be repeated for nine credit hours. PREREQ: PERM/INST.

E 206 CREATIVE WRITING—FICTION (3-0-3)(S). Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story.


E 213 AFRO-AMERICAN LITERATURE (3-0-3)(S). 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 recurrent 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.

E 215 FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(AREA I). Survey of literature of Far Eastern Countries with major emphasis on China, India, and Japan. An introduction cultural and religious environment of each country covered. PREREQ: E 102.


E 219 NORTH-AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(F). 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 or oral narratives and the functions which these narratives serve in prehistoric societies receive particular emphasis. PREREQ: E 102.

E 230 WESTERN WORLD LITERATURE (3-0-3)(AREA I). An introduction to the great minds in the Western tradition which have shaped our cultural and literary past and present. Reading includes selections from ancient Greece, Imperial Rome, medieval Europe and Renaissance Europe. PREREQ: E 102.

E 235 WESTERN WORLD LITERATURE (3-0-3)(AREA I). 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.

E 240 SURVEY OF BRITISH LITERATURE TO 1790 (3-0-3)(AREA I). Examines the dominant cultural movements and literary forms in England from the Middle ages through the 18th century. PREREQ: E 102.


E 271 SURVEY OF AMERICAN LITERATURE: Beginnings to Civil War (3-0-3)(F/S)(AREA I). This 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.

E 272 SURVEY OF AMERICAN LITERATURE: Civil War to Present (3-0-3)(F/S)(AREA I). This course traces the continued development of American Literary thought as revealed in the works of such authors as Twain, James, Hemingway, Eliot, and Faulkner. PREREQ: E 102

Upper Division

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(F/S). 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. PREREQ: Upper Division standing, and LI 305, Introduction to Language Studies, or inservice teaching.

E 305 CREATIVE WRITING—ADVANCED POETRY (3-0-3)(S). PREREQ: E 205 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours.


E 336 NINETEENTH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S). Major European writers in the 19th century in translation. Reading maintains a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Works of Goethe, Stendhal, Flaubert, Nietzsche,
E 338 TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3)(F). 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/CHMN.

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 novels show how American writers were increasingly influenced by science, business, and art. PREREQ: Three credits of literature or PERM/CHMN.

E 381 METHODS OF TEACHING SECONDARY SCHOOL ENGLISH (3-0-3). Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. Twenty hours of directed observation required. PREREQ: Introduction to Language Studies L1 305.

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H. L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western types such as the mountain man, the cowboy and the pioneer. PREREQ: Three credits of literature or PERM/CHMN.

E 385 MODERN BRITISH AND AMERICAN FICTION (3-0-3)(F). 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, ELson, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. PREREQ: Three credits in literature or PERM/CHMN.

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

E 390 FOLKLORE (3-0-3)(F). Study of what folklore is, its written and oral traditions, its different genres. PREREQ: E 102.

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

E 401 ADVANCED WRITING (3-0-3)(F). Writing for the student who wants advanced training in expressing ideas. The emphasis is on developing effective prose styles, taking into account varieties of technique and their appropriateness for a specific audience. Will not fulfill Area I requirement for graduation. PREREQ: E 102 or PERM/INST.

E 402 ADVANCED TECHNICAL WRITING (3-0-3)(F). Advanced work in the researching, 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, graph design, and the rhetoric of technical writing. PREREQ: E 202 or PERM/CHAIR.

E 412G WOMEN WRITERS (3-0-3)(F). Literature by English speaking women, with special attention to cultural contexts, the themes and methods used by women writers, and how women writers have created their own tradition. The course may focus on writings of a particular period. Alternate years. PREREQ: Three credits of literature or PERM/INST.

E 481 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is placed on critical reading of literature ordinarily used with adolescents in secondary schools. Secondary emphasis is placed on methods of critical analysis appropriate to secondary students. All genres will be discussed. Both classical and popular authors will be included. PREREQ: E 102, completion of two literature courses.

E 487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F). A study of the radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. PREREQ: Three credits literature or PERM/CHMN.

E 488, 489G METHODS AND THEORIES OF LITERARY CRITICISM AND RHETORIC (3-0-3)(S). Analysis of major literary and rhetorical theories, their methods and their implications. E 402 recommended. PREREQ: Three credits of upper division literature or PERM/CHAIR.

E 498 SENIOR SEMINAR (2-0-2X). Required of all senior English majors. PREREQ: Senior standing or PERM/CHMN.

HU HUMANITIES

HU 207, 208 INTRODUCTION TO HUMANITIES (3-0-3)(S) (AREA I). Man's intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHMN.
LI LINGUISTICS

LI 305 INTRODUCTION TO LANGUAGE STUDIES (3-0-3). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory, with emphasis on sound, word, sentence formation in English. PREREQ: E 102 or PERM/CHMN.

LI 306 MODERN ENGLISH GRAMMAR (3-0-3).S. An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar. Alternate years.

LI 307 APPLIED ENGLISH LINGUISTICS (3-0-3).S. Application of linguistic theory and concepts to the teaching of English grammar and composition. Analysis of specific problems of structure encountered in instruction. Examination of texts and materials, reports on pertinent articles in professional journals and demonstrations. For teachers or prospective teachers of secondary schools. PREREQ: LI 305 or PERM/CHMN.

LI 399 HISTORY OF THE ENGLISH LANGUAGE (3-0-3).S. A study of the periods on the development of English; Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. PREREQ: LI 305 or PERM/CHMN.

LI 406 PSYCHOLINGUISTICS (3-0-3).S. Development of a general theory of psycholinguistics through the following topics: theories of language definition, description, and development; sociological and neurological sources of language; formation, processing and production of language; semiotics. Alternate years.

LI 407 APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3).S. Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. PREREQ: LI 305 Alternate years. Offered 1989/1990.

Department of Geology/Geophysics

Mathematics-Geology Bldg., Rm. 104 Telephone (208) 385-1631

Chairman, Associate Professor: Craig White; Professors: Donaldson, Hollenbaugh, Spinosa, Waag, Wilson; Associate Professors: Bentley, Pelton, Wood; Assistant Professor: Snyder.

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: cooperative program with University of Idaho (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 program 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 Secondary 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 Geology 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 Requirements

1. General University and BS Degree Requirements

Note that 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

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 322 ..................... 3
Igneous & Metamorphic Petrography GO 324 ................. 3
Sedimentation & Stratigraphy GO 310 ......................... 4
Geomorphology GO 313 .............................................. 3
Structural Geology GO 314 ......................................... 4
Invertebrate Paleontology GO 351 ............................... 3
Geophysics GF 300 or GF 301 ...................................... 3
Summer Field Camp GO 482 ....................................... 4
Summer Field Camp Report GO 483 ......................... 2
Senior Seminar GO 498 or 499 .................................. 1
Geology Electives .......................................................... 11

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 C 225 or an acceptable STATISTICS course may be substituted for M 205.

Basic Surveying EN 215 or Cartography GG-220 .............. 2-3
Free Electives ............................................................. 24-29

EARTH SCIENCE EDUCATION MAJOR

Bachelor of Science Degree Requirements

1. General University and BS Degree Requirements

Note that Area III is fulfilled by the major requirements below.

2. Major Requirements:

Geology

Physical Geology GO 101 ............................................. 4
Historical Geology GO 103 ............................................. 4
Intro to Ocean Geology GO 201 .................................... 3
Intro to Meteorology GO 213 ....................................... 3
Senior Seminar GO 498, 499 ..................................... 1
Geomorphology GO 313 .............................................. 3
Geology electives to total 30 credits ................................. 18

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

General Physics PH 101-102 .................................... 8

OR

General Botany BT 130 and General Zoology Z 130 ........ 9

Mathematics through M 204-205* .................................. 10
Intro to Descriptive Astronomy PH 105 ....................... 10
Electives ................................................................. 11-13

Recommended electives: Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy
3. Education Requirements
Requirements ........................................ 26-32

The following are required for Secondary Teaching Certification in Idaho:
- Intro Second Teach: Clsm Obs TE 172
- Foundations of Education TE 201
- Educational Psychology P 325
- Educ. the Except. Secondary Student TE 333
- Educational Technology TE 356
- Reading in Content Subject TE 407
- Secondary School Science Methods TE 384
- Secondary School Methods TE 381
- 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 Requirements

1. General University and BS Degree Requirements ............ 21

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 ............................................ 26
- Physical Geology GO 101 ....................... 4
- Historical Geology GO 103 ..................... 4
- Intro to Mineralogy GO 221 ..................... 3
- Field Geology GO 280 ............................. 3
- Igneous and Metamorphic Petrology GO 323 ... 3
- Igneous and Metamorphic Petrography GO 324 .... 3
- Sedimentation and Stratigraphy GO 310 ........ 4
- Structural Geology GO 314 ...................... 4
- Chemistry .......................................... 7
- College Chemistry I C 131 ...................... 3
- College Chemistry I Lab C 132 ................. 1
- College Chemistry II C 133 ..................... 3
- (C 134 not required)
- Physics .............................................. 13
- Mechanics, Waves and Heat PH 211 ............ 4
- Mechanics, Waves and Heat Lab PH 212 ....... 3
- Electricity, Magnetism and Optics PH 213 ....... 3
- Electricity, Magnetism and Optics Lab PH 214 ... 3
- Electricity and Magnetism PH 381 .............. 3
- Mathematics ....................................... 24
- Digital Computer Programming CS 124 or EN 104 ... 2
- Calculus & Analytic Geometry I 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* .......................................... 16

* Recommended electives usually include 3 courses tailored to an individual student's needs. See an advisor for assistance.

Recommended Programs

GEOPHYSICS MAJOR

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<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>College Chemistry C 131, 132, 133, 134.</td>
<td>4</td>
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<tr>
<td>English Composition E 101-102.</td>
<td>3</td>
</tr>
<tr>
<td>Physical Geology GO 101.</td>
<td>4</td>
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<tr>
<td>Historical Geology GO 103.</td>
<td>-</td>
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<tr>
<td>Algebra and Trigonometry M 111.</td>
<td>5</td>
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<tr>
<td>Calculus and Analytic Geometry M 204.</td>
<td>16</td>
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SOPHOMORE YEAR
- Cartography GG 220 or alternate .................. 3
- Intro to Mineralogy GO 221 ..................... 3
- Ig. & Met. Petrology GO 323 .................... 3
- Ig. & Met. 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
- (see required program)

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<tr>
<th>Area I &amp; II Electives</th>
<th>3</th>
<th>6</th>
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<tbody>
<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
<td>0-3</td>
<td>6-10</td>
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</table>

SUMMER OF JUNIOR YEAR
- Summer Field Camp GO 482-483 .................... 6

SENIOR YEAR
- Senior Seminar GO 498 or 499 ...................... 1
- Area I and II Electives .......................... 6
- Free Electives at least 3 cr of upper division . 3
- Invertebrate Paleontology GO 351 ............. 3
- Upper Division Geology & Geophysics Electives . 4
- 16

EARTH SCIENCE EDUCATION MAJOR

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<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102.</td>
<td>3</td>
</tr>
<tr>
<td>Physical Geology GO 101.</td>
<td>4</td>
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<tr>
<td>Historical Geology GO 103.</td>
<td>-</td>
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<td>Mathematics M 111, 204 ...............</td>
<td>5</td>
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<tr>
<td>College Chemistry C 131-132, 133-134.</td>
<td>16</td>
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</table>

FRESHMAN YEAR
- Foundations of Education TE 201 .................. 3
- Intro to Geography GG 101 ...................... 3
- General Physics PH 101-102 ..................... 4 or 4
- General Botany BT 130-General Zoology Z 130. 4 or 5
- Intro to Ocean Geology GO 201 .................. 3
- Intro to Meteorology GO 214 ..................... 3
- General Psychology P 101 ....................... 3
- Degree Requirements ............................. 6
- Intro Descriptive Astronomy PH 105 ............ 16
- 21-22

JUNIOR YEAR
- Upper Division Geology .......................... 4
- Degree Requirements ............................. 3
- Upper Division Electives ......................... 7
- Geomorphology GO 313 ......................... 3
- 17

SOPHOMORE YEAR
- Geology Seminar GO 498, 499 ..................... 1
- Upper Division Geology .......................... 6
- Degree Requirements ............................. 3
- Upper Division Electives ......................... 7
- Geomorphology GO 313 ......................... 3
- 16
- 14-20

SENIOR YEAR
- Educational Psychology P 325 .................... 3
- Upper Division Geology .......................... 6
- Geology Seminar GO 498, 499 .................... 1
- Secondary School Methods TE 384 ............... 3
- Student Teaching .................................. 10-16
- Reading in Content Subject TE 407 .......... 3
- Secondary School Science Methods TE 384 .... 3
- Educ. Except Secondary Student ............... 1

GEOPHYSICS MAJOR

<table>
<thead>
<tr>
<th>1st SEM</th>
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<tr>
<td>English Composition E 101-E 102.</td>
<td>3</td>
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<tr>
<td>Physical Geology GO 101.</td>
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<td>Historical Geology GO 103.</td>
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<td>College Chemistry I C 131.</td>
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<tr>
<td>College Chemistry Lab C 132.</td>
<td>1</td>
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<td>College Chemistry II C 133.</td>
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</tbody>
</table>
animals. The geologic history of the earth is treated in considerable detail.

GO 201 INTRODUCTION TO OCEAN GEOLOGY (3-3-3)(F/S). A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic and biologic processes and environments. PREREQ: GO 103

GO 213 INTRODUCTION TO METEOROLOGY (3-3-3)(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 the chemical and physical properties of minerals and their relationships to geologic environments. The laboratory work includes the study of crystal models as well as hand specimens of about 100 important minerals. 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 250 PRINCIPLES OF PALEONTOLOGY (2-3-3)(F/S). Overview of paleontology for nongeology majors. Evolution, Taxonomy and description of important fossil groups are stressed. Laboratory study of small collections and simple museum methods. Term paper or project.

GO 280 FIELD GEOLOGY (1-3-3)(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 aids 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, E 102. COREQ: M 111.

Upper Division

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 (3-3-3)(Field trips required). A study of the features of the earth's surface such as mountains, valleys, 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)(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 or-thographic and stereographic methods, and solution of structural problems using geologic maps and cross-sections. PREREQ: M 111, GO 101, 221, 280.

GO 323 Igneous and Metamorphic Petrology (3-3-3). A study of igneous and metamorphic rocks with emphasis on the physical and chemical constraints on their origin, occurrences and associations. The classification schemes of these rocks and their tectonic affiliations. PREREQ: GO 221, GO 232, COREQ: GO 324.

GO 324 Igneous and Metamorphic Petrology (3-3-3). The study of igneous and metamorphic rocks in thin section by means of the polarizing microscope. A systematic survey of the classes of igneous and metamorphic rocks and study of their origin and histories through examination of their mineralogy, textures, fabrics and alteration. PREREQ: GO 232. COREQ: GO 323.

GO 325 ORE DEPOSITS (3-3-3)(Field trip required). Genesis, structure, petrogenesis and economic aspects of ore deposits. Study of ore and alteration mineralogy and genesis of economic deposits. PREREQ: GO 221, GO 323.

GO 326 Economic Geology (3-3-3)(Field trip required). Introduction to the economic geology 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 327 ROCKS AND MINERALS (2-3-3)(F/S). A study of the properties 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 328 Field Geology (1.6-3)(F/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 329 Field Geology (3-3-3)(F/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 330 Field Geology (3-3-3)(S/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 331 Field Geology (3-3-3)(S/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 332 Field Geology (3-3-3)(S/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 333 Field Geology (3-3-3)(S/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 334 Field Geology (3-3-3)(S/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 335 Field Geology (3-3-3)(S/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 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 systematic gathering, evaluation, and presenting data pertinent to exploration and development discussions are also studied. Field trips required.

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

GO 460g VOLCANOLOGY (2-0-2)(Field trip)(odd years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise, eruption and magma of and of the types of volcanic vents and vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcanic-ectonic 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 471G REGIONAL FIELD STUDY (1, 2, or 3 CR)(F/S/SU). 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 (0-0-3)(SU). 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 photographs and topographic base. Student should expect to be in the field 8-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelors of Science) at BSU must take CORREQ: GO 483.

GO 483 GEOLOGY SUMMER FIELD CAMP REPORT (0-0-3)(SU). 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).

GO 495 SENIOR THESIS (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.

GG GEOGRAPHY

Lower Division

GG 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(AREA II). A survey of earth environments, basic concepts and techniques used in geography and the utilization of natural resources are introduced.

GG 102 CULTURAL GEOGRAPHY (3-0-3)(AREA II). 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). 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 (1-4-3)(F). A study of the methods, concepts, techniques and instrumentation of map construction. Includes 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). 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 relationship to the United States. Current problems and problem solving in accordance with the known resource base.

GG 231 GEOGRAPHY OF CANADA AND LATIN AMERICA (3-0-3)(F). A study of the natural and cultural geographies of Canada and Latin America with emphasis on the resources, environments, peoples and potential of each region. PREREQ: GG 101, PERM/INST.

GG 241 GEOGRAPHY OF AFRICA AND THE FAR EAST (3-0-3)(F). The physical and cultural geography of Africa and the Far East with emphasis on the relationships and changes on the relationships and changes within the regions. Topics include the various landscapes, flora and fauna, peoples and problems. PREREQ: GG 101, PERM/INST.

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

GG 311 WORLD ECONOMIC GEOGRAPHY (3-0-3)(F). A 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 characteristic and their relationship to national or international phenomena. PREREQ: GG 101, or PERM/INST.

GG 321 CONSERVATION OF NATURAL RESOURCES (3-0-3)(F). 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: GO 101 or GG 101.

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. Alternate 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. Alternate years. PREREQ: PH 102, GO 101.

GP 310 GRAVIMETRIC AND MAGNETIC METHODS (3-0-3)(F). Basic potential field theory, reduction of observed data, methods of data interpretation. Applications to petroleum and mineral exploration, geotechnical and engineering investigations. PREREQ: GO 101; must be concurrently taken or have taken PH 222, PH 224.


GP 410 EXPLORATION WELL LOGGING (2-3-3)(F). Fundamentals of geophysical and geological well logging applied to petroleum, groundwater, and engineering site exploration. Exercises in conventional interpretation of logs in sedimentary sections, and special considerations of logs in igneous and metamorphic rocks and fresh-water bearing sections. Integration of well logging, seismic reflection data, and surface geology. PREREQ or COREQ: GO 310.

GP 420 GEOPHYSICAL APPLICATIONS OF DIGITAL SIGNAL PROCESSING (3-0-3)(S). Digital processing of geophysical data including stacking, filtering, deconvolution, migration, synthetic seismograms, two-dimensional operations. PREREQ: CS 426.

GP 430 MATH MODELING IN GEOPHYSICS (3-0-3)(S). Introduction to useful mathematical techniques in geophysics. Examples include: Talwani modeling, statistical evaluation of aeromagnetic anomalies, and finite-element and finite-difference techniques applied to seismic wave propagation. PREREQ: M 313, M 301, M 406, CS 426.

GS GENERAL SCIENCE

GS 305 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

Chairman and Professor: Charles R. Kerr; Associate Chairman and Professor: Robert M. Anderson; Professors: Ball, Eastman, Hausraith, Hughes, Juola, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; Associate Professors: Ferguson, Griffin, Kenny, Sugiyama; Assistant Professors: Ayers, Grantham, Jarratt, Porter.

Degrees Offered
- BA and BS in Mathematics
- BA and BS in Mathematics, Secondary Education emphasis
- BS in Mathematics, Computer Science emphasis
- MS in Education, Mathematics emphasis: see Graduate College for further details.

Department Statement
The Department of Mathematics offers three Bachelor's degree options: Mathematics, Mathematics with Secondary Education emphasis, Mathematics with Computer Science emphasis, 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

MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science Degree

1. University Requirements for BA or BS Degree.

2. Mathematics Requirements: Lower Division
   a. M 204, M 205, & M 206 or M 211-212 Calculus .............. 10-13
   b. CS 127 Intro to Computer Science ................................... 4

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 OR ................................................. 4-6
      4) M 336 Discrete Mathematical Structures ......................... 3
      5) M 441 Abstract Algebra ............................................ 3
      6) M 456 Linear Programming ........................................ 4
   c. One of the following sequences:
      1) CS 354 Programming Languages .................................. 4
      2) CS 358 Data Structures ............................................. 4
      3) CS 451 Systems Programming ...................................... 4
      4) M 401-402 Advanced Calculus .................................... 3
      5) M 421 Fourier Series & Boundary Value Problems ............. 3
      6) M 456 Linear Programming ........................................ 4
   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 499 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 499 through M/CS 499 can be used toward the 27 credits of upper division mathematics requirements.

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

4. Education Requirements—29-35 credits. See “certification Requirements and Endorsements for Secondary Education”, in the section for the Department of Teacher Education.

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.

MATHEMATICS, SECONDARY EDUCATION MAJOR
Bachelor of Science or Bachelor of Arts Degree

1. University Requirements for BS or BA Degree

   b. Calculus through M 206 or M 212 ................................ 10-13
   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
   i. Mathematics in Secondary Schools M 490 ..................... 3
   j. Either 45 semester hours of Mathematics or 30 semester hours of
      Mathematics and an approved area of emphasis outside of
      Mathematics.

3. Required mathematics courses:
   a. Calculus M 204-205-206 ........................................ 13
   b. Accelerated Calculus M 211-212 ................................ 10
   c. Linear Algebra M 301 ............................................. 4
   d. Numerical Analysis M 340 ........................................ 4
   e. Discrete Structures M 356 ........................................ 3
   f. Intro to Statistics M 361 ......................................... 4
   g. Probability & Statistics M 431-432 ............................. 6

MATHEMATICS, COMPUTER SCIENCE EMPHASIS
Bachelor of Science Degree

1. General University Requirements for BS degree.

2. Required Computer Science courses:
   a. Pascal Programming CS 125 ........................................ 3
   b. Intro to Computer Science CS 127 ................................. 4
   c. Assembler Language Programming CS 226 ....................... 4
   d. Program in 'C' in UNIX Environment CS 227 ................. 4
   e. Programming Languages CS 334 .................................. 4
   f. Data Structures CS 358 ............................................. 4
   g. Systems Programming CS 451 ..................................... 4
   h. Operating Systems Principles CS 453 ............................ 3
   i. Software Design & Implementation CS 471 ................. 3

3. Required mathematics courses:
   a. Calculus M 204-205-206 ........................................ 13
   b. Accelerated Calculus M 211-212 ................................ 10
   c. Linear Algebra M 301 ............................................. 4
   d. Numerical Analysis M 340 ........................................ 4
   e. Discrete Structures M 356 ........................................ 3
   f. Intro to Statistics M 361 ......................................... 4
   g. Probability & Statistics M 431-432 ............................. 6

MATHEMATICS MINOR
Bachelor of Science Degree

Calculus & Anal Geom M 204,205,206 .............................. 13

OR

MATHEMATICS MINOR
Bachelor of Science Degree

Accelerated Calculus M 211, 212 .................................. 10

At least 9 credits in upper division mathematics (M prefix ex-
cept for M 493 and 496) to include at least one of the following . . . . 9
   a. Intro to Abstract Algebra M 302 ................................ 3
   b. Number Theory M 306 ......................................... 3
   c. Foundations of Geometry M 311 .................................. 3
   d. Foundations of Analysis M 314 .................................. 3
   e. Statistics M 361 or both M 431-432 ............................ 4-6
   f. Mathematical Modeling M 464 .................................. 3
   g. Mathematics in Secondary Schools M 490 ..................... 3

3. Either 45 semester hours of Mathematics or 30 semester hours of
   Mathematics and an approved area of emphasis outside of
   Mathematics.

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

4. Education Requirements—29-35 credits. See “Certification Re-
   Quirements and Endorsements for Secondary Education”, in the
   section for the Department of Teacher Education.

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.

MATHEMATICS TEACHING MINOR
Bachelor of Science Degree

Calculus M 204 or M 211 ............................................. 4-5

Calculus M 205 or M 212 ............................................. 4-5

At least 1 of the following
   a. Linear Algebra M 301 ............................................. 4
   b. Introduction to Abstract Algebra M 302 ....................... 3
   c. Foundations of Geometry M 311 ................................. 3
Fundamentals of Statistics M 361 ................. 4
Electives to complete 20 hours ...................... 13-6
TOTAL 20

MATHMATICS MAJOR
Suggested Program

FRESHMAN YEAR
Calculus M 204-205 or M 211-212 .................. 9-10
English Composition E 101-102 or E 111-112 ....... 6
Pascal Programming CS 125 ....................... 3
Introduction to Computer Science CS 127 ........ 4
Area I and Area II core requirements
Area III Core Requirements
Suggested electives:
  College Chemistry C 131-134 ................. 9

SOPHOMORE YEAR
Calculus M 206 .................................... 4
Linear Algebra M 301 ................................ 4
Differential Equations M 331 ...................... 3
Intro to Abstract Algebra M 302 .................... Area I and Area II core requirements
Area I or II 3
Suggested electives:
  Prin of Economics EC 201-202 ................. 6
  Mechanics, Wave and Heat + Lab PH 211-212 .... 5
  Electricity, Magnestism and Optic + Lab PH 213-214 .... 5

JUNIOR YEAR
Foundations of Analysis M 314 .................... 3
Discrete Math Structures M 356 OR 3
Number Theory M 306 ................................ 3
Linear Programming M 456 ......................... 4
Probability and Statistics M 431-432 ............ 6
Area I and Area II core requirements

MATHMATICS, COMPUTER SCIENCE OPTION
Suggested Program

This option is aimed at preparing students to do software engineering; that is, to apply their computer and mathematics training to problem analysis and to the design, testing, debugging and documentation of software systems.

FRESHMAN YEAR
English Composition E 101-102 or E 111-112 ........ 6
Calculus M 204-205 or M 211-212 .................. 9-10
College Chemistry & Labs C 131-134 ............. 9
Pascal Programming CS 125 ....................... 3
Intro. to Computer Science CS 127 ................ 4

SOPHOMORE YEAR
Calculus M 206 .................................... 4
Assembler Programming CS 226 .................... 4
Mechanics, Waves & Heat PH 211-212 ............ 5
Electricity, Magnetism & Optics PH 213-214 ...... 5
Intro to Logic PY 121 ................................ 3
Linear Algebra M 301 ................................ 4
Program in "C" in UNIX Environ CS 227 .......... 4
Electives ........................................ 3 32

JUNIOR YEAR
Programming Languages CS 354.................. 4
Discrete Structures M 356 .......................... 3
Intro to Statistics M 361 .......................... 4
Prin of Economics EC 201-202 (AREA II) ....... 6
Intro Computer Graphics CS 341 ................... 4
Data Structures CS 358 ........................... 4
Numerical Analysis M 340 .......................... 4
Electives ........................................ 6 34

SENIOR YEAR
Systems Programming CS 451 .................... 4
Fund of Speech Communication CM 111 (AREA II) ... 3
Technical Writing E 202 ................................ 3
Operating Systems Principles CS 453 ............ 3
Software Design & Implementation CS 471 ......... 3
Linear Programming M 456 ....................... 4
Area I or II ........................................ 3
Elective or Internship .............................. 8
TOTAL 34

MATHMATICS, SECONDARY EDUCATION
Suggested Program

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.

FRESHMAN YEAR
English Composition E 101-102 or E 111-112 ....... 3
Calculus M 204, 205 or M 211, 212 .................. 5
Programming CS 122 or 124 ....................... 2
Electives ........................................ 6 9-8
TOTAL 16 16

SOPHOMORE YEAR
Calculus M 206 .................................... 0-4
General Psychology P 101 .......................... 3
Foundations of Education TE 201 .................... 3
Intro to Secondary Teach: Clsrm Obs TE 172 ...... 4
Electives ........................................ 9-13 8
TOTAL 16 16

JUNIOR YEAR
Foundations of Analysis M 314 .................... 3
Algebra M 302 or Number Theory M 306 ............ 3
Statistics M 361 or 431 and 432 .................... 0-3
Educational Technology TE 356 .................... 2
Educational Psychology P 325 ..................... 3
Electives ........................................ 5-6 5-8
Secondary School Methods TE 381 .................. 3
Teaching Reading in Content Subjects TE 407 ....... 3
TOTAL 16 18

SENIOR YEAR
Foundations of Geometry M 311 .................... 3
Mathematics in Secondary School M 490 .......... 3
Secondary Student Teaching ........................ 10
Electives ........................................ 9
Mathematical Modeling M 464 ........................ 3
Educating Exceptional Sec. Stu. TE 333 ............ 1
TOTAL 16 13

Course Offerings
See page 19 for definition of course numbering system

Course Offerings

Upper-division courses are frequently offered nights and summers — students should consult the department the preceding August to request 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 hardware and programming. Designed for non-science majors. PREREQ: Satisfactory score on placement exam 5k.

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 placement exam BA.
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 placement exam BA.


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

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 placement exam AA (advanced algebra).

M 120 APPLIED STATISTICS WITH THE COMPUTER (4-0-4)(S). Pre-calculus treatment of probability and statistics. Emphasis concepts and applications rather than on proofs. Use of available computer statistics packages to handle computations. PREREQ: M108 or M 111.

M 204 CALCULUS AND ANALYTIC GEOMETRY (5-0-5)(AREA III). Plane analytic geometry, functions, limits and continuity. The derivative and applications. The integral and applications. Conic sections and translation of axes. PREREQ: Satisfactory score on placement exam CR.


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 106 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.

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

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

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

M 311 FOUNDATIONS OF GEOMETRY (3-0-3S). 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 spaces, maps, networks, topological equivalence of figures, topological spaces and metric spaces. PREREQ: M 205 or M 212. Odd-numbered years.

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

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

M 331 DIFFERENTIAL EQUATIONS (3-0-3S). Theory of ordinary differential equations with applications to the physical sciences and engineering. PREREQ: M 206 or 212.

M 340 NUMERICAL ANALYSIS (4-0-4)(S). The application of numerical methods to the interpretation and analysis of data, solution of equations, general iterative methods, 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 (3-0-3S). 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, logical deduction, sets, relations, graphs and 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 105, 206, 212.
Music Major Programs
The Music Department offers two Bachelor of Music 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 university teaching fields.
   b. Major emphasis in Music Education: designed to prepare students for music teaching careers in the secondary and elementary 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 students will be required to attend Concert Class during each semester of residency at Boise State University (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 requirement. Details are available from the Music Department.

2. Performance Emphasis Minimum Requirements:
   a. General University and Basic Core Requirements for Bachelor of Music Degree
   b. Music Requirements
      (1) Music Core
      (2) Performance Studies

   All Performance majors will take 2 credits of Performance Studies the first semester, freshman year, and perform a 4 credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.

Degrees Offered
- BA and BM in Music
- BM in Music Education

Department Statement
Gifts and Memorials to the Music Department: The Music Department has been the recipient of many fine gifts of instruments, music, scholarship donations; and record collections from friends and supporters of the Department. In the Hemingway Center for Western Studies is 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 practice purposes. The console for the Harry W. Morrison Memorial Carillon built by Maas-Rowe, is also in the Hemingway Center for Western Studies. 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, electronic equipment, instruments, record collections, scholarship endowments and music. The Music Department is grateful to these donors who have given so generously:

- Dr. & Mrs. Robert deNeuville
- Dr. & Mrs. Arthur C. Jones
- Bryant S. Martineau
- Dr. & Mrs. Edward Utley
- William K. Dunkley Family
- Alice Gould
- Senator Len Jordan
- Marjorie Palmquist
- Mrs. Eli Weston

Scholarship endowments have been given in the names of Margaret Drake, Elizabeth Bowen, Martha S. Reese, Lucille Lippincott, and the Boise Choristers.

M 401-402 ADVANCED CALCULUS (3-0-3)(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.


M 411 INTRODUCTION TO TOPOLOGY (3-0-3). Sets, metric spaces, topological spaces, continuous mapping, connectedness, compactness. PREREQ: M 314.


M 431G-432G PROBABILITY AND STATISTICS (3-0-3)(F/S). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, the central limit theorem, estimation and testing of hypotheses. PREREQ: M 20G or 212.

M 441-442 ABSTRACT ALGEBRA (3-0-3)(F/S). Group theory, homomorphism theorems. Sylow theorems, ring theory, ideal theory, field theory, field extensions, and Galois groups. PREREQ: M 301, 302.

M 456G LINEAR PROGRAMMING (4-0-4)(S). The simplex algorithm, two-phase method, simplex algorithm for problems with bounded variables, duality theory, postoptimality analysis, and transportation and assignment problems. PREREQ: M 301.

M 464 MATHEMATICAL MODELING (3-0-3)(S). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will drawn from the physical, biological, and social sciences. PREREQ: M 361 and CS 122 or PERM/INST.

M 490 MATHEMATICS IN SECONDARY SCHOOLS (3-0-3)(F). Objectives, content and methods of secondary school mathematics programs. PREREQ: Six hours of Mathematics completed at or above the 300 level.

Department of Music

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

Chairman and Professor: Wilber D. Elliott; Associate Chairman and Associate Professor: Donald Oakes; Professors: Baldwin, Hsu, Shelton, Winston; Associate Professors: Bratt, Parkinson, Rozmajzl, Schroeder; Assistant Professors: Baldassarre, Belfy, Berg, C. Elliott, Purdy, Samball, Thomason, Wells.

Degrees Offered
- BA and BM in Music
- BM in Music Education

Materials of Music I-IV MU 119, 120, 219, 220
Basic conducting MU 261
Materials of Music I-IV MU 119, 120, 219, 220...
The above requirements lead to state certification eligibility to teach music in the public schools. Certification is available to teach K-12, 7-12, or K-8 in music. Specific details are available from the Music Department.
Graduate Work: Master of Arts in Secondary Education, Music Emphasis. Details may be found in the Graduate College Section of this Catalog.

Recommended Programs

### PERFORMANCE EMPHASIS MAJORS

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<th>Year</th>
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<td>Junior Recital MA 447</td>
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*Keyboard Harmony is offered alternate years only. See course descriptions.
**Piano, Voice or Guitar majors must include major instrument literature MU 457 and Pedagogy MU 463-464.
†Piano majors must include 2 credits of Accompanying ME 180, 380. Guitar majors must include 2 credits of Guitar Ensemble ME 167,367.
¹Not required of Piano, Voice or Guitar majors.

### THEORY COMPOSITION MAJORS

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<td>Elementary Music Meth MU 372 (Elective)</td>
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College of Arts and Sciences
College of Arts and Sciences

Evaluating Exceptional Students TE 333 1

Reading in the Content Subjects TE 407 3

Secondary Student Teaching 10-16

Electives 3

15 13-16

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.

Course Offerings

See page 19 for definition of course numbering system

MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

Lower Division

MA 010 CONCERT CLASS (1-0-0)(F/S). Student, guest and/or faculty performances. Minimum attendance per semester: 10 for music majors, 6 for minors; plus attendance at a minimum of 5 Music Department sponsored concerts/recitals. Participation in the concert/recital does not equal attendance for meeting this requirement.

MA 107 RECORDER CLASS (1-0-1)(F/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.

MA 127 BEGINNING GUITAR CLASS (0-2-1)(F/S). Technical fundamentals in playing the acoustic guitar for beginners. Use of popular and folk songs. Course is based on written notation and oral instruction, stressing chord playing, correct posture and holding positions. Students must provide their own instrument. May be repeated once for credit.

MA 128 INTERMEDIATE GUITAR CLASS (0-2-1)(F/S). Continuation of MA 127. Emphasis on understanding fret-board theory, reading music notation for guitar, solo playing. Concept of form levels as it relates to upper position work. Students must provide their own instrument. May be repeated once for credit.

MA 150 PIANO CLASS (0-1-1)(F/S). One semester. Maximum 2 credits allowed.

MA 180 VOICE CLASS (0-1-1)(F/S). One semester. Maximum 2 credits allowed.

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 class will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or PERM/INST.

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 128 or PERM/INST.

MA 410 MUSIC COMPOSITION (2-0-2)(F/S). Instruction and supervised experience in composing for various instruments and voices, individually and in combination, utilizing small and large musical forms. May be repeated for a total of 6 credits. PREREQ: PERM/INST.

MA 444 MUSIC EDUCATION—BACHELOR OF ARTS SENIOR RECITAL (0-0-V). This course is a one-half recital to be presented as the culminating performance project for music education majors and for bachelor of arts music majors emphasizing performance. PREREQ: 300-level performance ability and PERM/INST. Graded pass/fail.

MA 445 RECITAL (0-0-V). Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. PERM/INST/CHMN.

MA 446 SENIOR PERFORMANCE RECITAL (0-0-V). This course is a full recital to be presented as the culminating project for performance emphasis majors within the Bachelor of Music program. PREREQ: 400-level performance ability and PERM/INST. Graded pass/fail.

MA 447 SENIOR COMPOSITION RECITAL (0-0-V). A recital for the performance of original compositions by the Theory-Composition major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition majors PREREQ: Major in Theory-Composition and PERM/INST. Graded pass/fail.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES (These courses carry an extra fee. For details see schedule of fees elsewhere in this Catalog.)

Students enrolling in private lesson (MC) studies must secure the consent of the instructor prior to registration.

Generally, all entering freshmen will enroll in 100-level studies; non-music majors will enroll initially in 100-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Juries are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as Music majors from another institution or from another department within BSU must complete a performance examination for placement in the appropriate performance level.

Private Lesson Performance Studies Course Numbering System:

The three-digit course number carries the following information: first digit (1—2—, etc.) = performance level; second digit = instrumental family (-0-woodwinds, -1-brass, -2-percussion, -3-voice, -4-keyboard, -5-fretted string instruments, -6-bowed string instruments); third digit (-1—, -2—, -3—, -4—) = credit value. Four-credit studies are reserved for bachelor of music program performance emphasis majors. Suffix letters identify the particular instrument in each instrumental family: woodwinds: A: flute, B: oboe, C: clarinet, D: bassoon, E: saxophone, F: recorder; Brasses: A: horn, B: trumpet, C: trombone, D: tuba; Keyboard: A: piano, B: organ; Fretted string instruments: A: violin, B: viola, C: cello, D: string bass. The class schedule printed prior to each semester lists particular studio courses available for the semester.

Major area minimum practice requirements for 4 hrs. credit—18 hrs. practice per week. For 2 hrs. credit—12 hrs. practice per week.

Minor area practice requirements: for 2 hrs. credit—6 hrs. practice per week.

MC 102, 104, 202, 204, 302, 304, 402, 404 WOODWIND INSTRUMENTS Private lessons.

MC 112, 114, 212, 214, 312, 314, 412, 414 BRASS INSTRUMENTS private lessons.

MC 122, 124, 222, 224, 322, 324, 422, 424 PERCUSSION INSTRUMENTS private lessons.


MC 142, 144, 242, 244, 342, 344, 442, 444 KEYBOARD INSTRUMENTS private lessons.

MC 152*, 154, 252, 254, 352, 354, 452, 454 FRETTED STRING INSTRUMENTS private lessons.


Course numbers ending in 2: (2-5/2)(F/S).

Course numbers ending in 4: (4-0/4)(F/S).

ME MUSIC, ENSEMBLE

All ME Courses may be repeated for credit up to the maximum allowable as stated in the course descriptions.

Lower Division and Upper Division

ME 101, 301 UNIVERSITY SINGERS (0-2-1)(F/S). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester.

ME 105, 305 MEISTERSINGERS (0-5-1)(F/S). Essentially a course in unaccompanied singing, open to all university students. The Meistersingers is the concert-touring choir of the University. PREREQ: Enrollment is by audition and Music Department approval.

ME 110, 310 VOCAL ENSEMBLE (0-2-1)(F/S). Designed to promote participation in and repertoire knowledge of small vocal ensembles. Literature includes music of all periods. Public performances given each semester. PREREQ: PERM/INST.

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. PREREQ: PERM/INST.

ME 120-320 BAND (0-5-1)(F/S). An elective open to all students who can play a band instrument.

ME 125, 325 BRASS ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-3-1)(F/S). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of Dixieland, be-bop, swing, rock and contemporary jazz. Class rehearsals include study of rhythm problems, notation, improvisation, ear training and chord construction in jazz. Public performance each semester. PREREQ: PERM/INST.

ME 130, 330 WOODWIND ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester.
ME 140-340 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 141-341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1)(F/S). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble. PREREQ: PERM/INST.

ME 150, 350 ORCHESTRA (0-1-1)(F/S). 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. Audition is required of new students.

ME 160, 360 STRING ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 167, 367 GUITAR ENSEMBLE (0-1-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitarists. PREREQ: PERM/INST.

ME 180, 380 ACCOMPANYING (0-2-1)(F/S). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique.

ME 185, 385 DUO-PIANO ENSEMBLE (0-2-1)(F/S). A basic survey of duet piano literature from the Baroque to the present. Students will learn how to cope with ensemble problems in rehearsal and performance. Class sessions will consist of performance, listening and discussion. A public performance will be presented. PREREQ: PERM/INST.

MU 101 MUSIC FUNDAMENTALS (2-0-2). Primarily for Elementary Education students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced.

MU 103 ELEMENTS OF MUSIC (2-0-2). Intended primarily for music majors, this course is open to anyone interested in acquiring knowledge in or upgrading their understanding of fundamental structures of music notation, scales, intervals, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lacking the necessary fundamentals background.

MU 119 MATERIALS OF MUSIC (4-0-4)(F). Music fundamentals review; notation, intervals, scales and modes, triads, key signatures, etc. Melody, cadences. Emphasis is on aural and visual recognition, analysis and compositional skills involving the above. PREREQ: piano proficiency to play simple melodies and harmonies, or concurrent enrollment in piano study, or PERM/INST.

MU 120 MATERIALS OF MUSIC II (4-0-4). Vocal music and rhythmic relationships; cadences; inversions; dominant sevenths; secondary dominants; cursory survey of binary, ternary and through-composed forms; aural and visual analysis; compositional skills. PREREQ: MU 119 or equivalent and piano as per MU 119.

MU 121-122 EAR TRAINING I-II (0-2-1)(F). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drills in solfeggio and sight singing leading to aural recognition of 3 and 4 part harmonic structures. PREREQ: Previous or concurrent enrollment in MU 119 and 120.

MU 133 INTRODUCTION TO MUSIC (3-0-3)(AREA II). Open to all students, with no background assumed, this course will familiarize the listener with the variety of styles and genres of Western concert music through an historical approach. Attendance at least two approved live concerts/recitals is required.

MU 143 PREPARATORY MUSIC HISTORICAL LITERATURE (3-0-3)(F). A preliminary course designed to acquaint the novice with music history, literature, notation, materials, library and listening skills, and concert behaviors. Primarily intended for the beginning music major but open to all students with a basic background and interest in music. Attendance at least four approved live concerts/recitals is required.

MU 147 SURVEY OF OPERA AND MUSIC THEATRE (0-2-1)(F). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, sound filmstrips, and library resource materials from the growing the Baroque period to contemporary Modern Opera and Musical Theatre compositions. Required of voice majors.

MU 213 FUNCTIONAL PIANO (2-0-2)(F/S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2 line scores will be used. May be repeated once for credit. PREREQ: MU 120 and one year of piano study.

MU 219 MATERIALS OF MUSIC III (3-0-3). Continuation of 4-part textures. Diatonic sevenths; introduction to altered chords, augmented sixth and neapolitan chords; cantus firmus techniques; remote modulations; compositional skills involving the above. PREREQ: MU 120 or equivalent and piano per MU 119.

MU 220 MATERIALS OF MUSIC IV (3-0-3)(S). Includes introduction to invention and fugue techniques and sonata form; eleventh and thirteenth chords; twen-thith century melody and harmony; atonality and serial techniques. Compositional skills involving the above. PREREQ: MU 219 or equivalent and piano per MU 119.

MU 221-222 EAR TRAINING III-IV (0-2-1)(F). Continuation of ear training I-II: solfeggio, dictation of more advanced rhythms, 2, 3 and 4 parts. Students expected to lay at key keyboards and simpler forms of basic chords in 4-part harmony. PREREQ: MU 121-122; MU 120; at least one year of piano study or concurrent enrollment in piano study.

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2)(S). Designed for the music education major, this course deals with teaching skills to develop the vocal potentials of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Latin, Italian, and German.

MU 257 STRING INSTRUMENT TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials 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). 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). 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 at 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 (0-10-4S). 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. Grading pass/fail. May be repeated two times 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 these periods as artistic entities, their relationships to their 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). Explores 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). Explores 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). 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)(S). 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 361.

MU 368 PERCUSSIVE TECHNIQUES AND METHODS (1-3-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques.
MU 369 BRASS TECHNIQUES AND METHODS (1-2-2/F,S). Primarily for music education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass 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 on accompaniment skills, elementary chord theory, melody playing, proper hand position and notetaking. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.

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 101 or equivalent.

MU 372 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2/F). For music majors. Includes special methods, 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 will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral 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 equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410 ADVANCED FORM AND ANALYSIS (3-0-3/S). Analysis of harmonic and formal structures of music for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

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

MU 424G COUNTERPOINT SINCE 1600 (3-0-3/F). Study and writing in contrapuntal styles from Baroque Period to present day. Invertible counterpoint, canon, fugue, invention, analysis of procedures in representive works. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Even numbered years.

MU 455 BAND ARRANGING (2-0-2/F). Required of majors in music education and in theory and composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. PREREQ: MU 220.

MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR)(2-0-2/F,S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature, Section 2 guitar literature, Section 3 vocal literature. PREREQ: Upper Division standing in performance.


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

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

Degrees Offered
- BS in Physics
- BS in Physics, Secondary Education

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 to 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 .................................. 30
2. Major Requirements ............................................................................. 98
A. *Physics............................................................. 47
  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 ......................... 1
  Intermediate Applied Programming PH 223 ...................................... 2
  Electrodynamics Lab PH 301 .............................................................. 4
  Transducers PH 304 ............................................................... 3
  Lab Microprocessor Applications PH 307 ................................. 3
  Modern Physics PH 311,312 ................................................................. 6
  Optics PH 331 ........................................................................... 4
  Mechanics PH 341 ......................................................................... 4
  Electricity & Magnetism, PH 381,382 ............................................ 6
  Advanced Topics PH 422 ................................................................. 3
  Thermal Physics PH 432 ................................................................. 3
  Senior Lab PH 481 .................................................................. 3
  Seminar PH 499 ...................................................................... 1

*With consent of advisor and chairman, substitutions can be made for not more than 6 hours of the above from the area of Biology, Chemistry, Math, Engineering or Geophysics.

B. Engineering.................................................................................... 12-13
  Computer Programming EN 104 or 107 ..................................... 2-3
  Systems & Circuits I, II EN 221,223 ...................... 1

C. Math......................................................................................... 20
  1. Calculus Sequence M 204,205,206 ........................................... 13
  2. Differential Equations M 331 ..................................................... 3
  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 ....................................................... 4
     c. Numerical Analysis M 340 ................................................... 4
     d. Fund of Statistics M 361 ..................................................... 4
     e. Four Ser & Bd Value Prob M 421 ......................................... 3
     f. Probability & Statistics M 431 ............................................. 3
     g. Linear Syst & Sig Process CS 426 ........................................ 4

D. Chemistry....................................................................................... 9

E. Recommended Electives................................................................. 7

SECONDARY OPTION

1. General University Requirements ......................................................... 77
2. Major Requirements ........................................................................... 77
A. Physics......................................................................................... 30
  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 ........................... 1
  Intro to Descriptive Astronomy PH 105 ...................................... 4
  Modern Physics PH 311,312 ................................................................. 6
  Optics PH 331 ........................................................................... 4
  Lab Microprocessor App. PH 307 ................................................... 3
  Senior Lab PH 481 .................................................................. 3

B. Engineering.................................................................................... 12-13
  Computer Prog., such as EN 104 or CS 122 ............................ 2
C. Math............................................................................................ 16
  Calculus Sequence M 204,205,206 ........................................... 13
  Differential Equations M 331 ..................................................... 3
  Differential Equations M 331 ..................................................... 3
  Calculus M 331 ........................................................................... 3
  Calculus M 331 ........................................................................... 3

D. Chemistry C 131,132,133,134 ......................................................... 9
### Course Offerings

See page 19 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 and how these ideas have contributed to the development of Western culture through their influence on philosophy, religion, and technology.

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

**PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-2-4)(F/S)(Area III)**. A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-Science majors.

**PH 106 RADIOLOGICAL PHYSICS (2-2-3)(F)**. 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 (3-3-4)** (SA). 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 (4-3-4)(Area III)**. A 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: PH 211, M 205. Credit cannot be obtained from both PH 225 and M 225.

**PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2)(S)**. An introduction to some of the more common discrete semiconductor devices and analog integrated circuits and their uses in electronic circuits. Included are devices such as diodes, silicon control rectifiers, bipolar transistors, field-effect transistors, operational amplifiers and their use in rectifier, amplifier and waveform circuits. PREREQ: PH 214, EN 223.
PH 304 TRANSDUCERS (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, photoconductive cells, photodiodes, phototransistors, linear variable differential transformers, thermocouples, thermistors, 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 303.

PH 307 LABORATORY MICROPROCESSOR APPLICATIONS (2-3-3F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. PREREQ: PH 213 or EN 223 or PERM/INST.

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 331 OPTICS (3-3-4F). An upper division course stressing the applied facets of optics such as the use of various optical components for analysis and measurements in the visible region of the electromagnetic spectrum. PREREQ: M 331 and PH 213.

PH 341 MECHANICS (4-0-4F). 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 361-382 ELECTRICITY AND MAGNETISM (3-0-3F-S). Electrostatic fields, potentials, 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.

PH 481 SENIOR LAB (1-6-3F). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. PREREQ: PH 312.

PH 482 SENIOR PROJECT (0-6-2S). 1 or 2 credits depending on the project. Elective. A sophisticated library or laboratory project in some area of physics. PREREQ: PH 481.

PH 499 PHYSICS SEMINAR (1-0-1S) Individual reports on selected topics. PREREQ: Senior status.

Department of Theatre Arts
Morrison Center, Room C-100
Telephone (208) 385-3957
Chairman and Associate Professor: Stephen R. Buss; Professor: Lauterbach, Shankweiler; Associate Professor: Erikson. Assistant Professor: Atlakson; Special Lecturer: Ceballos

Degrees Offered
• BA in Theatre Arts
• BA in Theatre Arts, Secondary Education

Program Requirements

General University Requirements except 1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.)
3. Area I Credits
   • Intro to Theatre TA 107
   • Intro to Art or Music AR 103, MU 133
   • Dramatic Literature
   • Elective Literature Course
4. Area II Credits
   • History of Western Civilization

5. The Department recommends that Theatre Arts Majors take one year of Foreign Language and Reading and Study Skills TE 108.

THEATRE ARTS
Bachelor of Arts Degree

THEATRE EMPHASIS

FRESHMAN YEAR

1st SEM
1. Theatre Symposium TA 010 ........................................ 0
2. English Composition E 101-102 .................................. 3
3. Fitness Activity ....................................................... 1
4. Laboratory Science .................................................. 4
5. *Introduction to Theatre TA 107 ................................. 3
7. Intro Art or Music AR 103, MU 133 ............................ 3
8. Reading and Study Skills TE 108 ................................. 2

2nd SEM
1. Theatre Symposium TA 010 ........................................ 0
2. Literature Elective .................................................... 3
3. English Composition E 101-102 .................................. 3
4. Laboratory Science .................................................. 4
5. Social Science Elective ............................................. 3
6. Laboratory Science .................................................. 4
7. Electives ..................................................................... 4
8. Lab Electives ............................................................. 6

SOPHOMORE YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Literature Elective ..................................................... 3
3. English Composition E 101-102 .................................. 4
4. Laboratory Science .................................................. 4
5. Drama Elective ......................................................... 3
6. Social Science Elective ............................................. 3
7. Laboratory Science .................................................. 4
8. Electives ..................................................................... 4

JUNIOR YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Foreign Language ...................................................... 4
3. Dramatic Literature .................................................. 3
4. World Drama TA 341, 342 ......................................... 3
5. Upper Division Electives .......................................... 6
6. Lab Electives ............................................................. 8

SENIOR YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Directing ................................................................ 3
3. Theatre History TA 421, 422 ..................................... 3
4. Upper Division Electives .......................................... 6
5. Contemporary Theatre TA 445 ................................. 3
6. Lab Electives ............................................................. 12

Recommended Program

THEATRE ARTS MAJOR

(Departmental Requirements indicated by asterisk)

FRESHMAN YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. English Composition E 101-102 .................................. 3
3. Fitness Activity ....................................................... 1
4. Laboratory Science .................................................. 4
5. *Introduction to Theatre TA 107 ................................. 3
7. Intro Art or Music AR 103, MU 133 ............................ 3
8. Reading and Study Skills TE 108 ................................. 2

SOPHOMORE YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Literature Elective ..................................................... 3
3. English Composition E 101-102 .................................. 4
4. Laboratory Science .................................................. 4
5. Drama Elective ......................................................... 3
6. Social Science Elective ............................................. 3
7. Laboratory Science .................................................. 4
8. Electives ..................................................................... 4

JUNIOR YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Foreign Language ...................................................... 4
3. Dramatic Literature .................................................. 3
4. World Drama TA 341, 342 ......................................... 3
5. Upper Division Electives .......................................... 6
6. Lab Electives ............................................................. 8

SENIOR YEAR

1. Theatre Symposium TA 010 ........................................ 0
2. Directing ................................................................ 3
3. Theatre History TA 421, 422 ..................................... 3
4. Upper Division Electives .......................................... 6
5. Contemporary Theatre TA 445 ................................. 3
6. Lab Electives ............................................................. 12

*Departmental Requirements.
Courses Applying to Both Disciplines

Shakespeare: Tragedies & Histories E 345 ................................. 3
Shakespeare: Comedies and Romances E 346 ................................. 6

Total in English Minor for Theatre Arts Major .............................. 24

Course Offerings

See page 19 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 107 INTRODUCTION TO THEATRE (3-0-3/A). 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 of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in production, 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 MAKE-UP (3-0-3/F). Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of make-up 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: 6.

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.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-6-3). An examination of the development of cinema which gives it validity as a unique art form.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-6-1). Significant participation for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated.


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 in the categorized type. PREREQ: TA 215-216 or PERMINIST. Alternate years.

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 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 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)(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/CHMN.
School of Social Sciences and Public Affairs

Dean: Robert C. Sims, Ph.D.
Telephone (208) 385-3776

The State Board of Education has designated the social sciences and public affairs as primary emphasis areas for Boise State University. In 1984 the School of Social Sciences and Public Affairs was established to meet this responsibility. The school contains six academic departments:

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

These departments offer eighteen undergraduate degree programs. The school also 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 school also serves the people of Idaho through providing consulting services and research assistance on public issues.

The school'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.

Minors

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:
- American National Government PO 101
- State & Local Government PO 102
- Contemporary Political Ideologies PO 141
- American Policy Process PO 220
- Comp European Governments & Politics PO 229
- International Relations PO 231
- Political Behavior PO 290

TWELVE CREDITS FROM THE FOLLOWING COURSES:
- American Parties & Interest Groups PO 301
- Public Opinion & Voting Behavior PO 302
- Intro to Public Administration PO 303
- American Chief Executive PO 309
- Comparative Foreign Policy PO 311
- Legislative Behavior PO 312
- Comp Communist Party-State System PO 324
- American Political Theory PO 331
- Comp Gov & Politics of Dev Nations PO 333
- United States Foreign Policy PO 335
- Constitutional Law PO 351
- International Law PO 421
- International Organization PO 422
- Western Political Theory I PO 421
- Western Political Theory II PO 422
- Comparative Legal Systems PO 451
- Intergovernmental Relations PO 469
- Senior Seminar PO 498
Department of Communication

Communication Building, Room 100  Telephone (208) 385-3320
Chairman and Professor: Robert R. Boren; Professors: Cox, Parker; Associate Professors: Craner,McCorkle,McLuskie,Pitman,Rayborn,Traynowicz; Assistant Professor: Rudd; Instructor: Morris.

Degrees Offered

- BA, Communication
- BA, Communication and English Combination, Journalism emphasis
- BA, Communication and English Combination, Communication emphasis
- BA, Communication, Interpersonal Communication emphasis
- BA, Communication, Mass Communication emphasis
- BA, Communication, Journalism Communication emphasis
- BA, Communication, Secondary Education

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 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 enlivened 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 Degree

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 Studies CM 115 .......... 1
   - Perspectives of Inquiry CM 201 ............................ 3
   - Research Methods CM 302 ................................. 3
   - Perspectives of Communication CM 421 ................ 3
   - Communication Seminar CM 498 .......................... 3
   - Communication Lab CM 216, 316 .......................... 6
   - Courses for Area of Emphasis ............................ 26-36
   TOTAL 45-55

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

COMBINED MAJOR
Communication—English
   Journalism emphasis

Department requirements:

COMMUNICATION
   - Introduction to Communication Studies CM 115 .......... 1
   - Perspectives of Inquiry CM 201 ............................ 3
   - Communication Laboratory CM 216, 316 ................. 3
   - Rhetorical Theories CM 321 ............................... 3
   - Interpersonal Communication CM 221 .................. 3

COMMUNICATION emphasis
   - Introduction to Communication Studies CM 115 .......... 1
   - Perspectives of Inquiry CM 201 ............................ 3
   - Interpersonal Communication CM 221 .................. 3
   - Rhetorical Theories CM 321 ............................... 3
   - Organizational Communication CM 361 ................... 3
   - Perspectives on Communication CM 421 ................ 3
   - Upper Division Electives ................................. 10
   TOTAL 26

ENGLISH
   - British or American Literature survey ................... 6
   - Composition above the basic sequence .................. 6
   - To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or Technical Writing, 6
   - Introduction to Language Study LI 305 ................. 3
   - UD Lit. Elec. (3 hrs in courses before 1800) ............ 12
   TOTAL 27

SENIOR SEMINAR—(Either CM 498—3 hours or E 498—2 hours)
   TOTAL HOURS: 56 (26 and 27 and 3) OR 55 (26 and 27 and 2)

COMMUNICATION emphasis

Department requirements

COMMUNICATION:
   - Introduction to Communication Studies CM 115 .......... 1
   - Perspectives of Inquiry CM 201 ............................ 3
   - Interpersonal Communication CM 221 .................. 3
   - Rhetorical Theories CM 321 ............................... 3
   - Organizational Communication CM 361 ................... 3
   - Perspectives on Communication CM 421 ................ 3
   - Upper Division Electives ................................. 10
   TOTAL 26

ENGLISH
   - British or American Literature survey ................... 6
   - Humanities HU 207, 208 ................................. 9
   - Advanced Writing and Linguistics ....................... 3
   - To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or Technical Writing, 3
   - Upper Division Electives ................................. 9
   TOTAL 27

SENIOR SEMINAR—(Either CM 498—3 hours or E 498—2 hours)
   TOTAL HOURS: 56 (26 and 27 and 3) OR 55 (26 and 27 and 2).

In Reference to electives:
1. If students do not elect another Humanities course (either HU 207 or 208), then they should take nine additional upper division credits in each Department.
2. If students elect the extra three hours in Humanities (either HU 207 or 208), then they should take six upper division hours in Communication or English and nine upper division hours in the other Department.

Recommended Programs

The following are provided for purposes of illustration. Students should work out specific programs with a departmental advisor.

Interpersonal Communication Emphasis

1. General University Requirements ......................... 51
2. Departmental Core Requirements Total credit hours .... 19
3. Suggested Courses as follows:
   a. Listening CM 131 ........................................... 3
   - Interpersonal Communication CM 221 ................. 3
   - Communication in the Small Group CM 251 ............ 3
   - Interviewing CM 307 ...................................... 3
   - Small Group Process CM 431 ............................. 3
   TOTAL 9
   b. Mass Comm: Concepts & Perspectives CM 171 ....... 3
   - Nonverbal Communication CM 341 ....................... 3
   - Intercultural Communication CM 351 .................. 3
   - Organizational Communication CM 361 ................. 3
   - Persuasion CM 412 ........................................ 3
   - Public Relations CM 478 .................................. 3
   TOTAL 9
   c. Rhetorical Theories CM 321 .............................. 3
   - Message Analysis and Criticism CM 331 ............... 3
   - Contemporary Public Communication CM 332 .......... 3
   TOTAL 9
   d. Reasoned Discourse CM 111 ............................. 3
   - Communication Activities CM 114-314 ................ 14
   - Voice and Diction CM 121 ................................ 3
   - Public Speaking CM 231 .................................. 3
Special area emphasis may be selected from the following programs; this must include a minimum of 9 credit hours in one area:

- History
- Psychology
- Economics
- Social Science
- English
- Performing and Spatial Arts

OR any other program listed in this Catalog under Baccalaureate Degree Programs.

The selection of a special area emphasis should reflect the career plans of the student, and should be made in consultation with an advisor.

## Course Offerings

See page 19 for definition of course numbering system

### CM COMMUNICATION

#### Lower Division

**CM 111 FUNDAMENTALS OF SPEECH COMMUNICATION (3-0-3)(AREA II)**. Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts.

**CM 112 REASONED DISCOURSE (3-0-3)(AREA I)(F/S)**. Introduction to logical reasoning and the role of the advocate in a free society. Analysis of propositions, issues, arguments, evidence, fallacies of arguments and various systems of reasoning. Preparation for and participation in activities designed to apply the principles of logical reasoning in the public forum.

**CM 114 COMMUNICATION ACTIVITIES (1-0-1)(F/S)**. 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)(F/S)**. Dimensions of human communication, historical and contemporary concepts, communication degree programs, and career opportunities. (PASS/FAIL).

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

**CM 121 VOICE AND DICTIO (3-0-3)(F/S)**. Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. An investigation of the student's individual speech problems.

**CM 122 INTRODUCTION TO MANUAL ENGLISH (3-0-3)(F/S)**. 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)(F/S)**. Theory and practice of man's most used communication skill. Analysis of variables as they promote or impede the process of listening.

**CM 171 MASS COMMUNICATION: CONCEPTS AND PERSPECTIVES (3-0-3)(F/S)**. A survey of communication theory as related to current practice of the mass
CM 201 PERSPECTIVES OF INQUIRY (3-0-3)(F/S). The nature, sources and tests of knowledge: various views of theories, theory building, models, and the nature of inquiry. PREREQ: E 102, CM 115 or PERM. INST.

CM 216 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 and participation in workshops and short courses. PREREQ: CM 115. May not be taken concurrently with CM 316.

CM 221 INTERPERSONAL COMMUNICATION (3-0-3)(F/S). An examination of the nature of human communication. Focuses, through experimental learning, on awareness of self, communicative relationships and context.


CM 241 ORAL INTERPRETATION (3-0-3)(F/S). 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)(F/S). 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 277 PHOTO COMMUNICATION (2-2-3)(F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcasts. PREREQ: AR 251 or PERM/INST.

Upper Division

CM 300 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3)(S). Describes Canadian communication industries, issues and inquiry, especially the question of cultural identity for Canada. Discusses governmental communication policy as a tool for preserving 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 consent of instructor.


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/S). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking or community speaking activities. PREREQ: PERM/INST. 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 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 and 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 MANUAL ENGLISH (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 372 JOURNALISTIC COMMUNICATION PRACTICUM (Var 1 to 4)(F/S). Designed for students who seek professional experience and professional careers. Offers student training with professionals in the community. PREREQ: PERM/INST. May be repeated for a total of four hours.


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

CM 421 PERSPECTIVES ON COMMUNICATION (3-0-3)(F). A survey of contemporary theories and theorists of communication. PREREQ: CM 201.

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 skills and theory relevant to human communication. An opportunity to focus on areas of special interest to the student. May be repeated for a total of four credits.

CM 461 ETHICS, LAW AND COMMUNICATION (3-0-3)(F/S). Study of the laws and ethics related to communication. PREREQ: Upper Division standing.

CM 471 RADIO-TV NEWSWRITING (2-0-2)(F/S). Practice writing radio-TV news, including timing and arrangement of material, adding script to film, techniques for condensing stories and deciding the importance of story material. PREREQ: CM 273 or PERM/INST.

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.

CM 478 PUBLIC RELATIONS (3-0-3)(S). Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the formal, informal and between organizations. Theories and problems of human communication within and between organizations.

CM 480 STUDIES IN JOURNALISTIC COMMUNICATION (3-0-3)(F/S). Advanced instruction in theories about, history of, and preparation of non-fiction 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 status and PERM/INST.
CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3)(F/S). The examination of issues, contexts, and particulars 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. Content varies from semester to semester. Subjects may include: History of Mass Communication, International Communication, Small Format Video, etc. PREREQ: PERM/INST.

CM 483 STUDIES IN ORGANIZATIONAL COMMUNICATION (3-0-3)(F/S). The study of basic communication principles as applied to or affected by the organizational setting. Content varies from semester to semester. Subjects may include: Communication Theories of Organizational Management, Negotiation, Human Relations Training, etc. PREREQ: PERM/INST.

CM 484 STUDIES IN RHETORIC AND PUBLIC PRESENTATION (3-0-3)(F/S). Historical, theoretical, and practical study in various forms of communication presentation. Content varies from semester to semester. Subjects may include: Advanced Public Speaking, Group Interpretation, Theory of Debate, etc. PREREQ: PERM/INST.


Department of History

Library Building, Room 247
Telephone (208) 385-1255
Chairman and Professor: Warren L. Vinz; Professors: Barrett, Fletcher, Keiser, Lovin, O'Dahl, Ourada, Sims, Zirinsky; Associate Professors: Buhler, Jones, Lundy; Assistant Professors: Shallat, Walker.

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

Department Statement

The Department of History offers three baccalaureate degree programs: History-Liberal Arts (42 hours of History), History-Social Science, Secondary Education Option (42 hours of History); 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.

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
   - Additional Language requirement
   - History course requirement

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

3. History Seminar 3

4. History Electives 9

5. Total History Courses 27

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 consultation with advisor from two out of three of the Department's offerings (U.S., European, Third World)

History Minor Option

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

Recommended Program

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.

Course Offerings

See page 19 for definition of course numbering system

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 worldwide expansion of western culture in the twentieth 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)(Area III)(F/S). An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia, with an emphasis on 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 given to 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 historical 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)(Area II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times up 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 historiography. 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)(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)(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 to achieve political and social equilibrium. The problem will be traced through the establishment of th fifth Republic by Charles deGualle. HY 102 recommended. Alternate years.

HY 309 THE RENAISSANCE (3-0-3)(S). A study of European society, economic development, artistic 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). 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 Calvin 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 1668. 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 Minoan sea empire of the second millennium to 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 under Etruscan tutelage through its late imperial phase in the fifth century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities, and the arts. 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 Constantine revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Crusades, the papacy, and the emerging 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, Taoism, 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/S). 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 eras, independence movements 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/S). 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 eighteenth 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 SPORT AND THE AMERICAN IDEAL (3-0-3)(F/S). Traces the historic development of sports 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 334G 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, 152 recommended. Alternate years.

HY 335 DIPLOMATIC HISTORY OF THE UNITED STATES (3-0-3)(F/S). Development of diplomacy from the founding 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 constitution emphasis on the role of the Supreme Court. PREREQ: HY 151, 152 or PERM/INST. Alternate years.

I.

The United States Cadet Command has established several standards for precommissioning in the United States, including completing the Military Science courses listed below, as well as one course in each of the following areas.

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 (attending the MS III course of instruction without prior basic course credit is possible, but the basic camp must be attended at the end of the MS III year and the advanced camp must be attended at the end of the senior 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 a Summer comprehensive program of 90 contact hours; and must have a minimum of 26 semester hours;
2. be able to complete all requirements for commissioning prior to their 30th birthday;
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. serve 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;
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 standards for precommissioning ROTC programs across the United States. These standards 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. 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: Orienteering/Land Navigation

Scholarships: Financial assistance for selected students is offered through 2, 3, and 5-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.

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 salekeeping, care, and return of the property issued to them.

Course Offerings

See page 19 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 APPLIED LEADERSHIP (1-1-1). Prepares the student for the ROTC advanced course. ML 202 concentrates on developing oral communication skills, problem analysis, decision-making, and practical leadership exercises as outlined by Military Qualification Skills (MQS I) Leadership Assessment Program (Lap) guidelines. The student will acquire a general knowledge and appreciation of the historical development of the American Military System and its leaders. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and historical examples of these events. REGO: P1MonSt.

ML 201 INTRODUCTION TO LEADERSHIP (1-1). Prepares student for ROTC advanced course. Introduction to leadership theory and philosophy with practical exercises. Gives a brief overview of Principles of War, land navigation review for field exercises, in-depth study of careers with the Army, and military briefing procedures. Laboratory consists of progressive participation in leadership exercises, adventure training and orienteering.

ML 202 MILITARY HISTORY AND LEADERSHIP (2-1-2). Prepares the student for the ROTC advanced course. ML 202 concentrates on developing oral communication skills, problem analysis, decision-making, and practical leadership exercises as outlined by Military Qualification Skills (MQS I) guidelines. The student will acquire a general knowledge and appreciation of the historical development of the American Military System and its leaders. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and historical examples of these events.

Upper Division

ML 301 LEADERSHIP AND MANAGEMENT (3-1-3).X). Increases 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 leadership exercises, adventure training, and orientering.

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 teaches students to make decisions in stressful situations. Preparatory course for field training.

ML 390 MILITARY SCIENCE PRACTICUM (V-V-6)(SU). 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 453 MILITARY SCIENCE INTERNSHIP (V-V-4). 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 (PIN). Permission of department head required.

Department of Political Science & Philosophy

The Department of Political Science and Philosophy offers courses leading to a B.A. or B.S. degree in each of the following areas of emphasis: American National Government, Comparative European Government and Politics, International Relations, Political Behavior, Comparative Public Law, and Western Political Thought.

Degrees Offered

- BA and BS in Political Science
- BA and BS in Political Science, Political Philosophy and Public Law emphasis
- BA and BS in Political Science, American Governmental Systems and Processes emphasis
- BA and BS in Political Science, International Relations emphasis
- BA and BS in Political Science, Public Administration emphasis
- BA and BS in Political Science, Social Science, Secondary Education emphasis
- BA in Philosophy
- Master of Public Affairs: see Graduate College for further details.

Department Statement

The Department offers courses leading to a B.A. or B.S. degree in each of the following areas of emphasis: American National Government, Comparative European Government and Politics, International Relations, Political Behavior, Comparative Public Law, and Western Political Thought. The Department also provides courses in support of the Social Science, Secondary Education option for teachers. Essential to this training is a comprehension of the methodologies relevant to the discipline of Political Science generally, and to the various areas of emphasis specifically.

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 for our students 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 or lobbyists; a few are elected public officials.

In addition to the several optional major programs in Political Science, the University offers a Bachelor of Arts in Philosophy.

Philosophy is a semi-autonomous unit presently housed within the Department of Political Science. Philosophy focuses upon the major issues of knowledge, values and the nature of reality. The student will become acquainted with the major philosophers of the past and present within the course work offered. This major is designed to provide a broad course in philosophy and offers a sound preparation for advanced studies within the discipline.

Degree Requirements

POLITICAL SCIENCE MAJOR
Bachelor of Arts Degree

A major program in Political Science is to be defined for each student in terms of a general foundation of knowledge in the discipline of Political Science, accommodating the developmental interests of the student but reflecting a concentration in any one of the following four areas of emphasis as available options for a major program in Political Science:

1. Political Philosophy and Public Law
2. American Governmental Systems and Processes
3. International Relations
4. Public Administration

As an additional option, major emphasis in Political Science is provided in teacher education preparation.

5. Political Science-Social Science Secondary Education

The basic requirements applicable to all major programs in Political Science, irrespective of the selected area of emphasis, are to include the following courses:

- American National Government PO 101
- Comparative European Govt & Politics PO 229
- Political Behavior PO 298
- Comparative Political Ideologies PO 141
- International Relations PO 231
- Comparative Public Law PO 299
- Senior Seminar (Scope & Meth of Poli Sci) PO 498

Lower Division Electives (Select one requisite to the appropriate area of emphasis):
- State and Local Government PO 102
- Public Policy PO 220
- Comparative European Govt & Politics PO 229

The course requirements applicable to each of the four designated areas of emphasis, offered as optional major programs in Political Science, are described below.

1. Political Science—Political Philosophy and Public Law Emphasis

This area of emphasis is designed for those students whose principal interest in Political Science concerns both the fundamental political thought, past and present, in the development of political institutions in society and the systematic legal norms and processes of diverse societies.

a. General University and Core Requirements

- Political Science Major Requirements: 45

  1. LOWER DIVISION COURSES
     - American National Government PO 101: 3
     - Comparative European Govt & Politics PO 229: 3
     - Comparative Political Ideologies PO 141: 3
     - International Relations PO 231: 3
     - Comparative Public Law PO 299: 3
     - Senior Seminar (Scope & Meth of Poli Sci) PO 498: 3

  2. UPPER DIVISION COURSES
     - American Political Theory PO 331: 3
     - Constitutional Law PO 351: 3
     - International Law PO 421: 3
     - Western Political Theory I PO 441: 3
     - Comparative Political Ideologies PO 442: 3
     - Comparative Legal Systems PO 451: 3

School of Social Sciences and Public Affairs
2. Political Science—American Governmental Systems and Processes
Emphasis
This area of emphasis is offered to students who wish to concentrate their attention on national, state, and local political institutions of the United States. The course requirements and electives in this area of emphasis seek to provide the student with an understanding of American government.

a. General University and Core Requirements
Political Science Major Requirements ........................................ 45

1. LOWER DIVISION COURSES ............................................ 15
American National Government PO 101 .................................... 3
State and Local Government PO 102 ....................................... 3
Contemporary Political Ideologies PO 141 ................................. 3
International Relations PO 231 ............................................. 3
Political Behavior PO 298 ............................................... 3

2. UPPER DIVISION COURSES ............................................. 30
American Parties & Interest Groups PO 301 ............................... 9
Public Opinion & Voting Behavior PO 302 ............................... 3
American Chief Executive PO 309 ......................................... 3
Legislative Behavior PO 312 ............................................... 3
American Political Theory PO 331 ....................................... 3
Constitutional Law PO 351 ............................................... 3
Senior Seminar (Scope & Meth of Poli Sci) PO 498 ................. 3
Political Science Electives ........................................... 9

3. Political Science—International Relations Emphasis
The area of emphasis in International Relations is available for students wishing to gain a general understanding of international affairs for a more intelligent citizenship in the modern world society. Students enrolling in this option are advised to prepare themselves adequately in modern foreign languages. The course requirements in Political Science are to take additional elective courses drawn from Foreign Languages, History, Economics, and Sociology.

a. General University and Core Requirements
Political Science Major Requirements ........................................ 45

1. LOWER DIVISION COURSES ............................................ 15
American National Government PO 101 .................................... 3
Contemporary Political Ideologies PO 141 ................................. 3
Comparative European Govt & Politics PO 229 ......................... 3
International Relations PO 231 ............................................. 3
Political Behavior PO 298 ............................................... 3

2. UPPER DIVISION COURSES ............................................. 30
Comparative Foreign Policy PO 311 .................................... 3
Comparative Communist Party-State Systems PO 324 ............... 3
Comp. Govt & Politics of Developing Nations PO 333 ............... 3
United States Foreign Policy PO 335 .................................... 3
International Law PO 421 ............................................. 3
International Organization PO 422 .................................... 3
Senior Seminar (Scope & Meth of Poli Sci) PO 498 ................. 3
Political Science Electives ........................................... 9

4. Political Science—Public Administration Emphasis
As an optional area of emphasis in Political Science, the course requirements are designed to provide a broad foundation in the discipline of Political Science with special concentration in the area of Public Administration. Special interdisciplinary course patterns can be arranged for students interested in such complementary areas as Public Administration and Economics, Public Administration and Sociology, Public Administration and Psychology, and Public Administration and Communication. Appropriate course selections for all students option for the Public Administration area of emphasis should include electives in Computer Science, Psychology, Sociology, History, Economics, and Communication.

a. General University and Core Requirements
Political Science Major Requirements ........................................ 45

1. LOWER DIVISION COURSES ............................................ 15
American National Government PO 101 .................................... 3
Contemporary Political Ideologies PO 141 ................................. 3
Public Policy PO 220 ............................................... 3
International Relations PO 231 ............................................. 3
Political Behavior PO 298 ............................................... 3

2. UPPER DIVISION COURSES ............................................. 30
Intro to Public Administration PO 303 .................................... 3
American Chief Executive PO 309 ......................................... 3

3. 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 credits of lower division Political Science courses, and 12 credits of upper divi-
sion 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
- American Policy Process PO 220: 3
- Comparative European Government & Politics PO 229: 3
- International Relations PO 231: 3
- Political Behavior 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
- American Chief Justice PO 309: 3
- Comparative Foreign Policy PO 311: 3
- Legislative Behavior PO 312: 3
- Comparative Communist Party-State System PO 324: 3
- American Political Theory PO 331: 3
- Comp Govt & Pol of Develop Nations PO 333: 3
- United States Foreign Policy PO 335: 3
- Constitutional Law PO 351: 3
- International Law PO 421: 3
- International Organization PO 422: 3
- Western Political Theory I PO 441: 3
- Western Political Theory II PO 442: 3
- Comparative Legal Systems PO 451: 3
- Administrative Law PO 467: 3
- Intergovernmental Relations PO 469: 3
- Senior Seminar PO 498: 3

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, 24 of which are in specified 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 a total of 40 hours of upper division credit by all graduating seniors. The courses required for a major in Philosophy are:

1. PO 101, Introduction to Philosophy
2. PO 121, Introduction to Logic
3. PO 211, Ethics
4. PO 305, Ancient Philosophy
5. PO 309, Modern Philosophy
6. PO 312, Twentieth Century Analytic Philosophy
7. PO 333, Metaphysics
8. PO 335, Epistemology
9. PO 489, Senior Tutorial

PHILOSOPHY MINOR

Intro Philosophy PO 101: 3
Intro Logic PO 121: 3
Ethics PO 211: 3
Philosophy Electives (NOT PO 489): 6

TOTAL 18

Course Offerings

See page 19 for definition of course numbering system

PO POLITICAL SCIENCE

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3)(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)(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)(S/Area II). Principal ideas characterizing liberalism, communism, fascism, and Nazism.
PO 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

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

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3S). Principal legal systems of the world, with emphasis on international foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. PREREQ: PO 101, 141, 229. Alternate years.

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3)(F). Systematic examination and comparison of varied models and theories of administrative systems. International and intranational studies. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303 or PERM/INST.

PO 467G 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. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303 or PERM/INST.

PO 469G INTERGOVERNMENTAL RELATIONS (3-0-3)(F). Intergovernmental cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 101, 102, 303.

PO 487G ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(F). 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. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 101, 102, 303.

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.

PO 498 SENIOR SEMINAR (Scope and Methods of Political Science) (3-0-3)(F). Examination of discipline of political science, its central problems and unifying concepts; techniques of scientific political investigation as they relate to improved research methods. Required of all political science majors.

PY PHILOSOPHY

Lower Division

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

PY 121 INTRODUCTION TO LOGIC (3-0-3)(F). Area I. 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 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.

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, and the species of aesthetic value. 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)(S). 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 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

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

PY 499 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 Social Work

Education Building, Room 716
Telephone (208) 385-1568

Chairman and Associate Professor: Doug Yunker; Professor: Huff; Associate Professors: Johnson, Oliver, and Panitch.

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.

The 1986 study of the 117 BSU graduates since 1980 showed 85% of the respondents had been employed at one time or another in social work, and 34% have had some kind of graduate experience. Respondents working full time as social workers in public agencies earned an average of $19,455.

Degrees Offered

- BA in Social Work
Degree Requirements

SOCIAL WORK MAJOR
Bachelor of Arts Degree

1. TOTAL REQUIREMENTS
   General University and Major Requirements .................. 128

2. LOWER DIVISION COURSES ........................................... 63
   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
   Intro to 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
   Humansities 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

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>Lower Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 101 INTRODUCTION TO SOCIAL WORK (3-0-3)(F/S/AREA II).</td>
<td>Survey of the historical development and contemporary practice of social work; values, ( \frac{5}{5} ) ( \frac{1}{1} ) ( \frac{3}{3} ) ( \frac{8}{8} ) ( \frac{15}{17} )</td>
</tr>
</tbody>
</table>
Department of Sociology, Anthropology, Criminal Justice Administration

Library Building, Room 218  Telephone (208) 385-3406
Chairman and Professor: Patricia M. Dorman; Professors: Baker, Pavesic, Scheffer; Associate Professors: Blain, Christensen, Cox, Foraker, Thompson, Hopfenbeck, Walsh; Assistant Professors: Corbin, Plew.

Degrees Offered

- BA in Anthropology
- BA in Anthropology, Social Science, Secondary Education
- AS, BA, and BS in Criminal Justice Administration
- BA in Multi-Ethnic Studies
- AA in Social Science (MHAFB only)
- BA, BS in Social Science
- BA and BS in Sociology
- BA in Sociology, Social Science, Secondary Education

Department Statement

The department houses three disciplines 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 of Sociology, Anthropology and Criminal Justice Administration offers eight (8) bachelor's degree programs, one Associate degree (Criminal Justice Administration), two minors for teaching certification, participates in the Canadian Studies and Interdisciplinary Gerontology minors and contributes to the Master of Public Affairs degree program.

Degree Requirements

ANTHROPOLOGY Bachelor of Arts Degree

1. Liberal Arts Option

a. General University and Basic Core Requirements .....

b. ANTHROPOLOGY Total Requirements ..... 42

1. LOWER DIVISION COURSES .......................... 9
- Physical Anthropology AN 101 .................. 3
- Cultural Anthropology AN 102 .................. 3
- Intro to Archaeology AN 103 .................. 3

2. UPPER DIVISION COURSES COURSES ............. 6
- History of Anthropology AN 401 .............. 3
- Elem. Social Statistics SO 310 or equiv. .......... 3

3. OTHER UPPER DIVISION COURSES ................ 27
- 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
    - Peoples & Cultures of the World AN 311 .... 3
    - Indians Peoples of Idaho AN 315 ............. 3
    - Ethnography Electives .................. 3
  - Group III Courses ................................ 9
    - Old World Prehistory AN 303 ............... 3
    - Archaeology of North America AN 312 ....... 3
    - Archaeology of Latin America AN 318 ....... 3
    - Seminar in Archaeology AN 421 ............. 3

c. Recommended Electives:
- One year of a foreign language; a computer application course; and LI 305 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; and Sociology, Anthropology, and Criminal Justice. 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.

- 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.

- Secondary Education Requirements Total Credits 29-35
- Refer to Teacher Education Department

- State Department of Education Certification Requirements
  - Social Studies ................................... 9
  - U.S. History .................................... 6
  - Federal 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 120 credit hours. See Department of Teacher Education listing for more information.

3. Anthropology Minor Option

a. Liberal Arts Minor

Primary Area of Emphasis

- Completion of the following courses ................. 21
- English Composition E 101-102 .......................... 6
- Cultural Anthropology AN 102 .......................... 3
- Intro to Archaeology AN 103 ........................... 3
- Peoples & Cultures of the World AN 311 .............. 3
- Upper Division Anthropology Electives ............ 9

b. Anthropology Education Minor Option

Total credits ........................................ 15
- OR
- Required Courses:
  - Physical Anthropology AN 101 .......................... 3
  - Cultural Anthropology AN 102 .......................... 3
  - Intro to Archaeology AN 103 ............................ 3
  - Peoples & Cultures of the World AN 311 ................ 3
  - Upper Division Anthropology Electives ............ 9

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 Planning-Administration.

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

CORE COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Literature (Area I)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities (Area I)</td>
<td>9</td>
</tr>
<tr>
<td>Science or Mathematics (Area III)</td>
<td>12</td>
</tr>
<tr>
<td>History (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Financial Accounting AC 205</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Information Systems IS 210</td>
<td>OR</td>
</tr>
<tr>
<td>Computer Applications in Social Science SO 210</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
</tbody>
</table>
SPECIALTY AREA COURSES

1. General University and Basic Core Requirements:

2. Social Science Requirements:
   a. LOWER DIVISION Total Courses: 21
      Anthropology
      Economics
      Political Science
      Sociology
      Social Science Electives
   b. UPPER DIVISION: Select from the following combinations—12 credits in one field and 6 credits in two other fields.
      Total upper division credits: 24
      Anthropology
      History
      Psychology
      Sociology

SPECIALTY AREA COURSES

1. LAW ENFORCEMENT
   - Law of Criminal Evidence CR 275
   - Law of Arrest, Search & Seizure CR 276
   - Police Organization & Management CR 351
   - Criminal Justice Planning CR 425
   - Comparative Law Enforcement Admin CR 451

2. COURTS/LAW
   - Law of Criminal Evidence CR 275
   - Law of Arrest, Search & Seizure CR 276
   - Judicial Admin & Court Management CR 381
   - Criminal Justice Planning CR 425
   - Comparative Law Enforcement Admin CR 451

3. CORRECTIONS/COUNSELING
   - Corrections in the Community CR 331
   - Interviewing & Counseling in Crim Justice CR 340
   - Criminal Justice Research & Evaluation CR 426
   - Field Practicum: Correct/Counsel CR 490
   - Criminal Justice Elective

4. PLANNING/ADMINISTRATION
   - Judicial Admin & Court Management CR 381
   - Criminal Justice Planning CR 425
   - Criminal Justice Research & Eval CR 426
   - Comparative Law Enforcement Admin CR 451

COURSES

- Criminal Law CR 321
- Contemporary Correctional Theory & Practice CR 362

- Senior Seminar in Criminal Justice CR 498
- Criminal Justice SO 417
- Independent Study in Criminal Justice CR 496

SOCIAL SCIENCE

Bachelor of Arts Degree

1. General University and Basic Core Requirements:

2. Social Science Requirements:
   a. LOWER DIVISION Total Courses: 21
      Anthropology
      Economics
      Political Science
      Sociology
      Social Science Electives
   b. UPPER DIVISION: Select from the following combinations—12 credits in one field and 6 credits in two other fields.
      Total upper division credits: 24
      Anthropology
      History
      Psychology
      Sociology

SOCIOLOGY

Bachelor of Science

1. Completion of general university requirements for the Bachelor of Arts or Science degree as given in the Academic Section of this Catalog. Bachelor of Arts degree candidates are required to complete one year of foreign language. Sociology courses MAY NOT be used to satisfy Area II requirements.

2. Sociology Majors shall complete at least forty-one (41) credit hours in Sociology courses, including:
   a. A twenty-three (23) hour major core consisting of the following courses:
      - Introduction to Sociology SO 101
      - Computer Applications in Social Science SO 210
      - Theories of Society SO 201
      - Elementary Social Statistics SO 310
      - Social Research SO 411
      - History of Sociology SO 401
      - Contemporary Sociological Theory SO 402
      - Sociology Seminar SO 498
   b. A nine (9) credit hour option emphasizing either 1) General Sociology or 2) Applied Sociology. The General option will serve those who desire a broad theoretical orientation and substantial knowledge base with less emphasis on quantitative and methodological aspects of the field. The Applied track should be useful to those who, whether working toward post-graduate education or immediate employment, want to emphasize the tools of research and quantitative analysis.
      1. GENERAL SOCiOLOGY
         - Social Institutions SO 351
         - Social Change SO 403
         - Social Inequality SO 421
         - Social Psychology SO 431
      2. APPLIED SOCIOLOGY
         - Advanced Social Statistics SO 410
         - Advanced Research Methods SO 411
         - Sociology Internship SO 493
   c. Nine (9) additional hours in Sociology. These may be selected from all Sociology course offerings or focused on some specific area of interest or vocational concern.

SOCIOLOGY

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; and Sociology, Anthropology, and Criminal Justice. Each discipline of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.

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

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

SOCIOLOGY

Bachelor of Science

Required Course SO 101

Sociology Electives (Six must be Upper Division)

Minor certification endorsements for teaching areas are listed in this catalog in the Department of Teacher Education Section within the College of Education.

MULTI-ETHNIC STUDIES

Bachelor of Arts Degree

The Multi-Ethnic Studies program, which is open to all students, is an interdisciplinary area of emphasis, providing a BA degree. The program
will help students provide themselves with an understanding of tradition, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P.K. Ourada, Department of History; A.R. Corbin, Department of Sociology, Anthropology and Criminal Justice Administration; or Dr. Mamie Oliver, Department of Social Work, to develop program of study.

1. General university requirement Total Credits ........................................... 51
2. Ethnic Studies Requirements:
   a. LOWER DIVISION CREDITS .................................................. 15
      Introduction to Multicultural Studies SO 230 3
      Cultural Anthropology AN 102 .................... 3
      Ethnic Literature Courses ........................................... 6
      Minorities in U.S. History HY 261 .......... 3
   b. UPPER DIVISION CREDITS .................................................. 3
      Racial and Cultural Minorities SO 305 3
   c. ETHNIC COURSES Total Ethnic Credits ......................................... 30
      (List of approved Course offerings is available from Program Supervisors)
3. Total General Electives ........................................................................ 29
   Multi-Ethnic Studies Minor .....................................................................
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

SOCIOLGY 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

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Concepts of Biology B-100*</td>
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<tr>
<td>Math for Liberal Arts Students M-100*</td>
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<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Cultural Anthropology AN 102*</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>American National Government PO 101*</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Introduction to Philosophy PY 101*</td>
<td>-</td>
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<tr>
<td>History of Western Civilization HY 101*</td>
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<tr>
<td>Area I Elective</td>
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SOPHOMORE YEAR

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<td>Science-Mathematics Elective</td>
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<tr>
<td>General Psychology P 101*</td>
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<tr>
<td>Theories of Society SO 201</td>
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<td>3</td>
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<tr>
<td>Computer Applications SO 210</td>
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<tr>
<td>Area I Electives (Core)</td>
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<tr>
<td>Science Electives for B.S. OR</td>
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<td>Foreign Lang. Elect. for B.A.</td>
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JUNIOR YEAR

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<td>Elem Social Statistics SO 310</td>
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<td>Social Research SO 311</td>
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<td>Emphasis: General &amp; Applied</td>
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<td>Electives: Sociology</td>
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<tr>
<td>Electives</td>
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SENIOR YEAR

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<tr>
<td>History of Sociology SO 401</td>
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<tr>
<td>Contemporary Soc Theory SO 402</td>
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<td>Sociology Electives</td>
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<tr>
<td>Sociology Seminar SO 498</td>
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<tr>
<td>Electives</td>
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</table>

Total Credits for Graduation .......................... 128

Multi-Ethnic Studies Minor

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.

AN 102 CULTURAL ANTHROPOLOGY (3-0-3)(AREA II). The meaning of culture; its significance for human beings, similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(F/S)(AREA III). 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.

AN 303 OLD WORLD PREHISTORY (3-0-3)(F/S). A survey of cultural evolution from the first known evidence of cultural behavior (ca. two million years ago) to the domestication of plants and animals and the rise of civilization. Special emphasis is placed on the development of civilizations. PREREQ: AN 102 or AN 183, Upper Division status, or PERM/INST.

AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)(F/S). Survey of peoples and cultures of Oceania—including Polynesia, Melanesia, Micronesia, New Guinea and Australia. From Pre-European contact to the present. Theories of settlement; cultural diversity; effects of European colonization and WWII; contemporary island cultures. PREREQ: Upper Division Status or PERM/INST, Alternate years.

AN 307 INDIANS OF NORTH AMERICA (3-0-3)(F/S). A general survey emphasizing the description and analysis of native cultures and the role of environment and historical factors in North America. PREREQ: Upper Division status or PERM/INST.

AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S). A general worldwide survey of selected non-industrial cultures with emphasis on cultural diversity, cultural adaptation, historical development and results of contact with the Industrial World. PREREQ: AN 102, Upper Division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A survey of prehistoric cultures of North American north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional societal complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the intermountain West. PREREQ: Upper Division status or PERM/INST.

AN 315 INDIAN PEOPLES OF IDAHO (3-0-3)(F/S). 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

See page 19 for definition of course numbering system.
AN 318 ARCHAEOLOGY OF LATIN AMERICA (3-0-3)(F/S). An examination of the pre-Columbian civilizations of Latin American with emphasis on those of Mexico and Central America, particularly the Maya and Aztec. PREREQ: Upper division status or PERM/INST.

AN 325 HUMAN VARIATION (3-0-3)(F/S). 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 102 or Upper division status or PERM/INST. Alternate years.

AN 401 HISTORY OF ANTHROPOLOGY (3-0-3)(F/S). 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 ANTHROPOLOGY OF EDUCATION (3-0-3)(F/S). 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 ARCHEOLOGY (3-0-3)(S). 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)(F/S). 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.

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

CR 101 SOCIAL JUSTICE (3-0-3). 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, exclusionary rule, 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.

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 SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F). 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 nonviolent, nonadversarial methods. The course ranges from inner personal conflict and ends with the international nuclear arms race.

Upper Division

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 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 (3-2-4)(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 CIA standing.


CR 362 CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(S). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: Upper division CIA standing.

CR 380 INTRODUCTION TO CRIMINALISTICS (3-0-3)(S). Introduction to theory and application of physical science to the field and laboratory investigation of crime. Applicable in both advanced field and laboratory techniques. PREREQ: CR 231. Alternate years with CR 451.

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 CIA standing.

CR 425 CRIMINAL JUSTICE PLANNING (3-0-3)(F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program evaluation. Use of planning and analytical tools to review current issues in the system. PREREQ: Upper division CIA standing.

CR 426 CRIMINAL JUSTICE RESEARCH AND EVALUATION (3-0-3)(F). Basic aims, processes, and limitations of research in criminal justice. Introduction of social research methods and techniques for evaluating action programs in the criminal justice field. PREREQ: CR 422, upper division CIA standing, or PERM/INST.

CR 451 COMPARATIVE LAW ENFORCEMENT 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 (1-6-3)(S). 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 Freedom. Requires classroom and laboratory, field studies. PREREQ: CR 451 or CR 452 satisfy applicable graduation requirements in Criminal Justice. PREREQ: CR 302 and CR 362, or PERM/INST. Even numbered years only.

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 BNBS students without one year of full time criminal justice experience.

SO SOCIOLOGY

Lower Division

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 organizations; 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). An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each exploited 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 interpretative 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 (3-0-3)(S). The object
tives 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 conflict, economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequity.

SO 290 SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F). An introductory survey course covering broadly the kinds of conflict that occur between person, groups, organizations and societies, with attention to why these conflicts arise, a range of peaceful solutions to conflicts using nonviolent, nonadversarial methods. The course ranges from inner personal conflict and ends with the international nuclear arms race.

Upper Division

SO 305 RACIAL AND CULTURAL MINORITIES (3-0-3)(F). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. Alternate odd years. PREREQ: SO 101 or P 101 and upper division standing.

SO 310 ELEMENTARY SOCIAL STATISTICS (3-0-3)(F). 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 elitist theory. PREREQ: SO 101 and Upper Division Status, Alternate Years.

SO 325 SOCIOLOGY OF AGING (3-0-3)(F). 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—with those labeled delinquent or with those doing the labeling. Alternate Odd Years. PREREQ: SO 101, Upper Division status.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(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)(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). Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state, and federal correctional institutions.

SO 370 SOCIOLOGY OF LAW (3-0-3)(S). Law enactment, enforcement and adjudication are studied as social acts with social consequences. Theories and practices of legal action are reviewed as emerging from and impacting on 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 or sociology credit but not for both. PREREQ: P 101, SO 101 and Upper Division status.

SO 380 POLITICAL 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 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 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 Sociologists and other in two basic areas: 1) 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 401 HISTORY OF SOCIOLOGY (3-0-3)(F). Examination of the intellectual and social currents in Europe from about 1830 to 1900 during which time Sociology was initially recognized as a separate perspective within Social Science. Major insights of sociological writers of this period. PREREQ: SO 101, upper division standing.


SO 403 SOCIAL CHANGE (3-0-3)(F). 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 Divisions standing. Alternate years. Alternate years.


SO 410 ADVANCED SOCIAL STATISTICS (3-0-3)(S). The methods of non-parametric statistics in the analysis of sociological data are examined in greater depth with application to research. PREREQ: SO 101, SO 310 and Upper Division Status.

SO 411 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 a research project. 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 wronged 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 philosophy and life chances. Arguments for and against more equality will be examined in relation to issues such as: constraint and mobility; education and opportunity; consumerism and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and Upper Division Status. Alternate years.

SO 425 URBAN COMMUNITY AND PLANNING (3-0-3)(F). A policy oriented approach to evaluate public issues in a systematic and analytical fashion as they affect the shape and future of the urban community. The role of planning, urban renewal, public policy and their human consequences will be examined. PREREQ: SO 101 and Upper Division Status. Alternate years.

SO 431 SOCIAL PSYCHOLOGY (3-0-3)(F). The influence of social and cultural factors on individual behavior, perception and attitudes, including the effects of groups on their members. This course may be taken for either Psychology or Sociology credit, but not for both. PREREQ: SO 101, P 101 and upper division standing.

SO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3)(F). An examination of complex formal organizations, bureaucracy and 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, PRM/INST.

The College of Business at Boise State University is comprised of the five academic departments whose programs are described on the following pages and two Centers:

- **Center for Management Development**: Gerald J. LaCava, Director
- **Idaho Business and Economic Development Center**: Ronald Hall, Director

The mission of the College of Business at Boise State University is to provide leadership and service in Business and economic education for Idaho and the Northwest. This 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 recognition. Accordingly, AACSB accreditation signifies that Boise State University’s business programs have met nationally established standards of quality.

**Student Advising**

Students are assisted in their selection of appropriate courses and a business major through the joint efforts of the College’s Student Services Center and faculty advisors. Freshman and sophomore students should contact the College of Business Student Services Center Director, Barbara (Bobbie) S. Olson in the business building, room 203 (telephone 208-385-3859).
Student Scholarships
Scholarships are available to students demonstrating ability to achieve excellence in business studies. Approximately $100,000 will be distributed each year among College of Business majors. Students must submit the appropriate applications by March 1. Interested students should contact Student Financial Aid Services at 208-385-1664.

Student Organizations
Beta Alpha Psi, national accounting; Alpha Eta Rho, national aviation fraternity; Alpha Kappa Psi, national business fraternity; Data Processing Management Association, Association of Data Processing Professionals; Omicron Delta Epsilon, economics; Finance Club, finance; Human Resource Association, management; Entrepreneur Club, management; Phi Sigma Epsilon, national marketing fraternity; Delta Epsilon Chi, mid-management; and Ad Club, marketing; are some of the campus organizations that offer students a chance to expand their educational opportunities.

In addition, the College of Business has a chapter of Beta Gamma Sigma (BGS), the national scholastic honor society for business students. BGS chapters are chartered only at AACSB accredited business colleges.

Special Requirements and Options
The Bachelor of Business Administration (BBA) degree is available by completing all requirements for that degree as described in the Baccalaureate Degrees section of this Catalog and listed on the following pages under the appropriate major. Additionally, College of Business students may qualify, at their option, for the BA or BS degree by completing the additional Liberal Arts or Science course requirements for those degrees. Faculty advisors should be consulted about these additional requirements.

Transfer of Credits: In general, the College of Business limits transfer of credits for business courses which apply to business degree requirements only to such courses as it offers at the same level. In other words, a lower division transfer course cannot be accepted to satisfy an upper division requirement of the College of Business. Department Heads may authorize validation of such lower division courses by certain techniques such as CLEP, departmental competency examinations, and/or special permission to enroll in higher level classes for which the course in question is a prerequisite. See the Department Head for details.

Specialized Programs: A special curriculum leading to a two year Associate Degree in Marketing-Mid-Management is available. Within resource limitations, other specialized curricula for skill areas are offered. Most credits earned in these curricula may later be applied toward the Bachelor degree. Students should understand that not all courses taken in these special areas are applicable to all Bachelor degrees. Therefore, graduation may require more than 128 credits.

Boise area companies and governmental institutions provide exceptional opportunities for students to develop business skills in a "real world" environment. Students' internship assignments are jointly supervised by company management and BSU College of Business faculty members. Academic credit is awarded and financial compensation is possible.

Upper Division Admission
Administrator: Barbara S. Olson
Business Building, Room 203
Telephone (208) 385-3859

The College of Business requires admission to upper division standing by petition for all business majors. (This excludes the BA degree majors in Economics: Quantitative Emphasis; Social Science Emphasis; and Social Science, Secondary Education.) All business majors are therefore required to meet the following "Minimum Criteria for Upper Division Admission" prior to enrolling in upper division College of Business courses. Business majors enrolling in upper division College of Business courses without upper division standing will be administratively withdrawn.

Minimum Criteria for Upper Division Admission
1. Admission to Boise State University
2. Successful completion of these lower division core courses (or equivalent courses): English E 101-102, Mathematics M 105-106, Economics EC 201-202, Accounting AC 205-206, Legal Environment of Business GB 202, Information Science IS 210, Statistics DS 207, with grades of C or better.
3. Cumulative GPA of at least 2.4.
4. Completion of at least 58 credit hours, including courses in progress the application semester.
5. Selection of an authorized major.
6. Application with transcript by preregistration week each semester.

Bachelor Degree Programs
NOTE: The student will find under each major the particular course of study to follow. Where the designation "Core Electives" appears, refer to the allowed listing of courses in the Degree Requirements (Core) section of this Catalog. Where the designation "Non-Business Electives" appears, lower or upper division courses are to be chosen in any discipline other than those administered in the College of Business, but must include hours from at least two of the three defined areas: Area I, II, or III. The designation "Free Electives" refers to those hours which may be earned in courses offered by the College of Business or other academic units.

Graduation Requirements: See the Baccalaureate Degrees section of the Catalog for complete listing of these requirements for the BBA, BA, and BS.

All College of Business Baccalaureate candidates are required to complete the courses required for Upper Division admission before enrolling in Upper Division courses in the College of Business.

All students are cautioned that Upper Division standing is a prerequisite for enrollment in 300 and 400 level courses and that several of the Lower Division courses listed above are specific prerequisites for certain Upper Division Courses in the College of Business.

College of Business Baccalaureate candidates are required to complete the following Upper Division courses prior to GB-450, Business Policies, which is also a required core course:

- Business Communication AS-328
- Management & Organizational Theory MG 301
- Principles of Marketing MK-301
- Principles of Finance FI-303
- Principles of Production Management DS-345

The one exception to this requirement is in the BA in Economics program as described in the Catalog.

Business Minor
Students pursuing a Business Minor are required to register with the Student Services Center in the College of Business.

A student pursuing a non-business major at Boise State University may earn a Business Minor by satisfying the requirements listed below in addition to their major requirements.

- English Composition E 101-102 ........................................... 6
- Math for Business Decisions M 105-106 ................................ 8
- The student may substitute the two-semester mathematics sequence which is required in their major field.
- Intro Computer Information Systems IS 210 .......................... 3
- The student may substitute the computer literacy course required in their major field.
- Statistical Techniques for Decision Making I DS 207 ............ 3
- The student may substitute the statistical techniques class required in their major field.
- Prin of Economics-Micro & Macro EC 201-202 .................... 6
- Intro Financial Accounting AC 205 .................................... 3
- Intro Managerial Accounting AC 206 ................................ 3
- Legal Environment of Business GB 202 ............................. 3

92
Upon completion of this set of classes, each with a grade of "C" or better, the student must then earn a "C" or better in any three upper division business classes for which the student has the specific prerequisites. At least two subject areas of business must be represented by the three selected classes.

Upper Division Business courses ........................................... 9

Degree Requirements
In addition to general university requirements, the following courses are required for an Accounting major:


Recommended Program
Bachelor of Business Administration Degree

FRESHMAN YEAR

1st SEM 2nd SEM

English Composition E 101-102 3 3
Mathematics M 105-106 or M 111-204 4 4
Core Electives (Area I, II) 6 6
Non-business electives 3 3
TOTAL 16 16

SOPHOMORE YEAR

Intro to Financial Accounting AC 205 3 3
Intro to Managerial Accounting AC 206 3 3
Principles of Economics EC 201-202 3 3
Intro to Information Systems IS 210 3 3
Statistical Techniques I DS 207 3 3
Legal Environment of Business GB 202 3 3
Non-business Electives 4 6
Core Elective (Area III) 4 4
TOTAL 17 18

JUNIOR YEAR

Intermediate Accounting I, II AC 304-306 3 3
Cost Accounting AC 351 3 3
Analysis, Design & Audit of Accounting Information Systems AC 420 3 3
Prin of Income Taxation AC 302 3 3
Intermediate Microeconomics EC 303 3 3
Business Communication AS 210 3 3
Principles of Marketing MK 301 3 3
Principles of Finance FI 303 3 3
Management & Organizational Theory MG 301 3 3
Principles of Production Management DS 345 3 3
TOTAL 15 18

SENIOR YEAR

Commercial Law GB 302 3 3
Organizational Behavior MG 401 3 3
Business Policies GB 450 3 3
General Electives 7 7
Accounting Theory AC 440 3 3
Accounting Electives 3 6
TOTAL 16 12

Speech and other communication skill classes are strongly encouraged when choosing electives.

It is highly recommended that accounting majors review for the CPA, CMA or CIA exams their last semester (200-300 hours). In the first semester senior year students need to plan on recruiting for employment (50-100 hours).

Core Courses: The following courses (or permission of the instructor) are prerequisites for all Upper Division Accounting courses: AC-205, 206, E-101,102, EC 201-202, DS-207, IS-210, plus M-106 or M-204.

Course Offerings
See page 19 for definition of course numbering system

AC ACCOUNTING

Lower Division

AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3), Introduction to contemporary Financial Accounting in the business world. The emphasis is on obtaining an understanding of how financial statements are prepared and used. Includes the basic terminology, a theoretical framework and the double entry accounting system.
Department of Computer Systems & Decision Sciences

Chairman and Associate Professor: Emerson C. Maxson; Professors: Brender, Clark, Groebner, LaCava, Shannon; Associate Professors: Gallup, Shannon, Warberg; Assistant Professors: Capell, Wojtkowski (G), Wojtkowski (W); Special Lecturers: Cavaiani.

The Department of Computer Systems and Decision Sciences is one of the largest at BSU with over 250 undergraduate majors and 14 full-time faculty. There are many professional opportunities available for college graduates with background in our programs and this demand continues to grow as the use of computers and quantitative techniques in decision making continue to grow.

Degrees Offered
- BBA, BA, and BS in Computer Information Systems
- BBA, BA, and BS in Decision Sciences

Recommended Programs

COMPUTER INFORMATION SYSTEMS MAJOR
Bachelor of Business Administration Degree

Option I: PROGRAMMER ANALYST

The Computer Information Systems program provides thorough training in computing, statistics, accounting, and general business, along with a broad background in the arts and sciences. A basic intent of the program is to prepare students for employment in business and government organizations as business applications programmers, information center analysts, and systems analysts. This program provides a balance between the technological, human, and organizational aspects of business computer systems.

FRESHMAN YEAR

1st SEM 2nd SEM
English Composition E 101-102 .................................. 3 3
Mathematics M 105-106 or M 111-204 .......................... 4 4
Core Electives (Area I, II, III) ........................................ 9 7
Non-Business Electives (Area I, II, III) .......................... 2 2
TOTALS 16 16

SOPHOMORE YEAR

Principles of Economics EC 201-202 ................................ 3 3
Intro to Financial Accounting AC 205 ............................ 3 -
Intro to Managerial Accounting AC 206 ........................ 3 -
Statistical Techniques I & II DS 207-208 ........................ 3 3
Intro to Information Systems IS 210 ............................. 3 -
Intro to Bus Appl Programming (COBOL) IS 221 ............. 3 -
Microcomputer Applications in Business IS 215 .............. 3 -
Legal Environment of Business GB 202 ........................ 3 -
Non-Business Electives (Area I, II, III) .......................... 4 -
TOTALS 16 18

JUNIOR YEAR

Cost Accounting AC 351 ........................................... 3 -
Management & Organizational Theory MG 301 .............. 3 -
Principles of Finance FI 303 ....................................... 3 -
Intern Bus Appl Programming (COBOL) IS 361 .............. 3 -
Quantitative Analysis for Bus Decisions DS 366 .............. 3 -
Principles of Marketing MK 301 .................................. 3 -
Business Communications AS 328 ............................... 3 -
Principles of Production Management DS 345 .............. 3 -
Intermediate Microeconomics EC 303 .......................... 3 -
Non-Business Electives (Area I, II, III) ........................ 4 -
Upper Division Economics Elective ............................. 3 -
TOTALS 16 18

AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3). Introduction to contemporary Managerial Accounting. Study of manufacturing accounting is emphasized. Introduction to the analysis of financial information with tools such as capital budgeting, inventory measurement and control, and the impact of taxes on decision making. PREREQ: AC 205.

Upper Division

AC 302 PRINCIPLES OF INCOME TAXATION (3-0-3)(FS). Theory and application of Federal income taxes to individuals, including an introduction to F.I.C.A., unemployment taxes, and state income taxes. Degree credit not allowed for both AC 320 and AC 302. PREREQ: AC 206.

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)(FS). The course includes problems of valuation and presentation of asset, liabilities and proprietorship items. Analytical accounting problems and preparation of work sheets, financial statements and development of special reports are discussed. Future and present value concepts, current assets and inventories are included. A basic competency in Lotus 1-2-3 is also learned. PREREQ: AC 206

AC 306 INTERMEDIATE ACCOUNTING II (3-0-3)(FS). Continuation of AC 304. Operational, fixed and intangible assets are covered. Also covered are: accounting for stockholders' equity, accounting changes, long-term investments in equity securities and price level changes. PREREQ: AC 304.

AC 320 TAX FACTORS IN BUSINESS DECISIONS (3-0-3). Introduction to impact of Federal income taxes on business operating and financing decisions. Degree credit not allowed for both AC 320 and AC 401. Offered when possible. PREREQ: AC 206.

AC 351 COST ACCOUNTING (3-0-3) (FS). Theory of cost accounting and cost control; including job order, process, direct and standard costs, budgeting and break-even analyses. Emphasis on cost determination as a tool of management and production control. PREREQ: AC 206.

AC 352 MANAGERIAL ACCOUNTING (3-0-3)(FS). Development and use of accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, computer applications, and analytical methods such as gross profit, break-even and incremental cost analysis. PREREQ: AC 351.


AC 405 AUDITING (3-0-3)(FS). Study of the scope and purpose of the accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the SEC; approach to an audit report. PREREQ: AC 306.

AC 406 AUDITING — SPECIAL PROBLEMS (3-0-3)(FS). This is a course reserved for in-depth study of particular problems in auditing. The topics change to cope with the dynamic nature of the profession. PREREQ: AC 405 or PERM/INST.

AC 420 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)(FS). This course provides a study of alternative accounting information systems. The primary focus of this course is on the analysis, design, and audit of computerized accounting information systems. There is a heavy emphasis on controls that can be designed into a system to prevent and detect errors. PREREQ: AC 304, PERM/INST.

AC 440-440G ACCOUNTING THEORY (3-0-3)(FS). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation; income determination and the measurement process in accounting. May be taken for graduate credit. PREREQ: AC 306.

AC 450 DATA PROCESSING FOR THE ACCOUNTANT (3-0-3). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer is used as the problem solving tool. Offered when possible. PREREQ: AC 405.

AC 460 NOT-FOR-PROFIT ACCOUNTING (3-0-3)(FS). Topics taught in this course include principles of accounting and financial reporting for not-for-profit organizations; fund and fiduciary accounting; budgetary procedures; financial statement analysis. PREREQ: AC 306.

AC 470 ADVANCED ACCOUNTING (3-0-3)(FS). Topics covered in this course include partnership organization, business combinations and consolidated financial statements, International accounting standards. PREREQ: AC 306.

AC 482 CPA PROBLEMS (6-0-6S). In depth consideration of the more complex accounting principles and procedures taught on the undergraduate level. Designed to assist the student in preparing for the certified public accountant examination. PREREQ: AC 405, AC 460, PERM/INST.
senior year
organizational behavior mg 401 ........................................ 3
nonprocedural & fourth-generation lang is 415 .......................... 3
data files and databases is 367 ........................................... 3
systems analysis and design is 420 ...................................... 3
systems development project is 430 ..................................... 3
business policies gb 450 .................................................. 3
general electives (area i, ii, iii) .......................................... 3
*option electives .................................................................. 3

*approved electives for the programmer analyst option are is 335, is 455, and one approved elective from computer science curriculum (e.g., cs 122, cs 125 or cs 227), others decided by consultation with advisor.

computer information systems major
bachelor of business administration degree

option ii: information analyst

freshman year: information analyst

english composition e 101-102 ........................................ 3 3
mathematics m 105-106 or m 111-204 ................................... 4 4
core electives (area i, ii, iii) .............................................. 9 7
non-business electives (area i, ii, iii) ................................. 2

sophomore year

principles of economics ec 201-202 ...................................... 3 3
intro to financial accounting ac 205 ..................................... 3
intro to managerial accounting ac 206 .................................. 3
statistical techniques i & ii ds 207-208 ................................. 3 3
intro to information systems is 210 ...................................... 3
intro to bus appl programming (cobol) is 221 ......................... 3
microcomputer applications in business is 215 ................. 3
legal environment of business gb 202 .................................. 3
non-business electives (area i, ii, iii) .................................. 4

junior year

cost accounting ac 351 ..................................................... 3
management & organizational theory mg 301 ......................... 3
principles of finance fi 303 ................................................. 3
interim bus appl programming (cobol) is 361 .......... 3
quantitative analysis for bus decisions ds 366 .............. 3
principles of marketing mk 301 .......................................... 3
business communications as 328 ....................................... 3
principles of production management ds 345 ............ 3
intermediate microeconomics ec 303 ................................. 3
non-business electives (area i, ii, iii) ................................. 4
upper division economics elective ..................................... 3

senior year

organizational behavior mg 401 ........................................ 3
nonprocedural & fourth-generation lang is 415 .......................... 3
data files and databases is 367 ........................................... 3
systems analysis and design is 420 ...................................... 3
systems development project is 430 ..................................... 3
business policies gb 450 .................................................. 3
general electives (area i, ii, iii) .......................................... 3
*option electives .................................................................. 3

*approved electives for the information analyst option are is 335, is 338, is 455, mg 405 and others decided by consultation with advisor.

decision sciences major*
bachelor of business administration

organizations are rapidly increasing their use of quantitative decision making aids. the decision sciences major is designed to aid students in developing skills in using quantitative techniques for problem solving and decision making. because quantitative skills are not used in isolation, but in conjunction with particular areas of the organization, students will designate an emphasis within this degree for functional area of business (e.g., computer information systems, finance, economics, or production).

freshman year

english composition e 101-102 ........................................ 3 3
fund of speech communication cm 111 ................................ 3
intro to information systems is 210 ..................................... 3
intro to logic py 121 (area i) .............................................. 3
**mathematics m 105-106 or m 111-204 (area iii) ............ 4 4
elective (area i core) .......................................................... 3
elective (area ii core) .......................................................... 3
elective (area iii core) .......................................................... 4

totals .................................................................................. 16

sophomore year

intro to financial accounting ac 205 ..................................... 3
intro to managerial accounting ac 206 .................................. 3
principles of economics ec 201-202 ................................... 3
statistical techniques i, ii ds 207, 208 ................................. 3 3
legal environment of business gb 202 .................................. 3
intro bus appl programming (cobol) is 221 ......................... 3
**electives ............................................................................ 4

junior year

principles of marketing mk 301 .......................................... 3
sampling techniques ds 307 .................................................. 3
principles of finance fi 303 ................................................. 3
management & organizational theory mg 301 ......................... 3
business communications as 328 ....................................... 3
business ethics & social responsibility gb 350 .................. 3
prin of production management ds 345 ...................... 3
**electives selected from option areas and non-business courses. be aware that 16 credits must be taken outside the college of business. each decision sciences major must design an option area and receive approval from a decision sciences major coordinator. typical option areas have been computer information systems, finance, economics, production, or mathematics but other are also possible. contact your decision sciences advisor.

course offerings

see page 19 for definition of course numbering system
ds decision science

lower division

ds 207 statistical techniques for decision making i (3-0-3)(fs). designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. business applications of such statistical concepts as the binomial and normal distributions, interval estimates, and hypothesis testing are covered. prerequisite: m 106 or equivalent.

ds 208 statistical techniques for decision making ii (3-0-3)(fs). statistical methods beyond ds 207. the course concentrates on using these procedures in a business decision making environment. topics covered include simple and multiple regression analysis and bayesian decision theory. whenever applicable, computer software programs are used to assist in the learning process. prerequisite: ds 207, is 210.
Department of Economics

Business Building, Room 311  
Telephone (208) 385-3351  
Chairman and Associate Professor: Charles L. Skoro; Professors: Lamborn, Lichtenstein, Payne, Reynolds; Associate Professors: Drayer, McGrath, Twight; Assistant Professor: Barney; Visiting Professor: Billings.

Degrees Offered

- BA in Economics, Quantitative Emphasis
- BA in Economics, Social Science Emphasis
- BA in Economics, Social Science, Secondary Education
- BBA in Economics

Department Statement

Economics has been called "a study of mankind in the ordinary business of life." Economists study the means by which people and societies decide what sort of goods and services to produce, how they allocate resources to see what such production is carried out, and how they divide the income created in the process. Accordingly, economics courses deal with national economic health and the behavior of industries and individual firms as well as the decisions made by individuals in households and families. Over the years the body of theories and methods developed by economists has become an indispensable tool in household and business decision-making and in the formation of public policy.

Students who plan to enter the job market immediately after college find their degree useful in obtaining jobs in management and other areas where training in systematic thinking and competence in empirical and analysis are prized. Economists Ryan Amacher and Holly Ulbrich noted that:

Undergraduate economics majors are recruited by business firms in all size ranges, from small, local companies to the very largest multinational corporations. An economics degree prepares students to compete with students from marketing, management, and finance as well as with students that have liberal arts majors, such as history and political science. (Principles of Microeconomics 3rd Edition. Cincinnati: Southwestern, 1986, p. 36).

Many students who major in economics are planning to attend graduate school. A major in economics is excellent preparation for law school, for MBA programs, or for graduate work in economics or other social sciences. Students planning on a career in teaching will also find a major in economics to be an excellent asset to bring into the job market.
BSU offers three paths to a degree in economics—a Bachelor of Arts, a Bachelor of Business Administration, and a Bachelor of Arts with a secondary education option. Those interested in a Bachelor of Arts degree in economics design a program which looks much like other secondary education option. Those interested in a Bachelor of Arts degree in economics, a program that concentrates in either social sciences or natural sciences and mathematics. Students wanting more of a business emphasis follow a program leading to a Bachelor of Business Administration degree which includes, aside from the work in economics, all of the upper- and lower-division core courses required of other College of Business students. Students planning to enter secondary school teaching may choose to pursue a Bachelor of Arts degree with a secondary education option. These students do considerable work in economics along with concentrated work in two other social sciences and teaching methods.

The economics department has a long tradition of excellent scholarship and teaching. Faculty are consistently rated among the best teachers on campus and have been so for years. They are also known and respected by other economists throughout the region.

**Degree Requirements**

**ECONOMICS MAJOR**

**SOCIAL SCIENCE EMPHASIS**

*Bachelor of Arts Degree*

1. TOTAL Requirements
   General University and Major Requirements 128
2. LOWER DIVISION COURSES (Total) 54
   - English Composition E 101-102 or E 111-112 6
   - Literature (Area I Core) 3
   - Introduction to Philosophy PY 101 3
   *Other Arts and Humanities (Area I Core) Courses
   *Principles of Economics EC 201-202 or EC 201H-202H 6
   *History of Western Civilization HY 101-102 3
   or Problems of Western Civilization HY 201-202 6
   *Social Science (Area II Core) other than HY or EC 3
   *Math M 105-106 or M 111-204 3
   *Natural Science (Area III Core) 4
   *Intro Financial Accounting AC 205 3
   *Intro to Information Systems IS 210 3
   *Statistical Techniques DS 207 3
3. UPPER DIVISION COURSES (Total) 42
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - History of Economic Thought EC 311 3
   - Econometrics EC 421-422 6
   - Economics Electives 12
   **Upper-division social science electives 15
4. ELECTIVES **Lower or Upper Division 3

*Must include at least one Area I field other than literature or philosophy.

**Recommended Program**

**FRESHMAN YEAR**

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<th>1st SEM</th>
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<td>English Composition E 101-102 or E 111-112</td>
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<tr>
<td>Math M 105-106 or M 111-204</td>
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<tr>
<td>History HY 101-102 or 201-202</td>
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<td>Philosophy PY 101</td>
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<td>Electives</td>
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**JUNIOR YEAR**

- Intermed Microeconomics EC 303 3
- Intermed Macroeconomics EC 305 3
- History Economic Thought EC 311 3
- Economics Electives 3
- UD Social Science 3
- Electives 3-6
- **TOTAL** 15-18

**SENIOR YEAR**

- Econometrics EC 421-422 3
- Upper Division Social Science 3
- Economics Electives 3
- Electives 3-6
- **TOTAL** 15-16

**ECONOMICS MAJOR**

**QUANTITATIVE EMPHASIS**

*Bachelor of Arts Degree*

1. TOTAL Requirements
   General University and Major Requirements 128
2. LOWER DIVISION COURSES (Total) 53 or 56
   - English Composition E 101-102 or E 111-112 6
   - Literature (Area I Core) 3
   - Introduction to Philosophy PY 101 3
   *Other Arts and Humanities (Area I Core) Courses
   *Principles of Economics EC 201-202 or EC 201H-202H 6
   *History of Western Civilization HY 101-102 3
   or Problems of Western Civilization HY 201-202 6
   *Social Science (Area II Core) other than HY or EC 3
   *Math M 105-106 or M 111-204 3
   *Natural Science (Area III Core) 4
   *Intro Financial Accounting AC 205 3
   *Intro to Information Systems IS 210 3
   *Statistical Techniques DS 207 3
3. UPPER DIVISION COURSES (Total) 43 or 45
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - History of Economic Thought EC 311 3
   - Econometrics EC 421-422 6
   - Economics Electives 12
   - Upper-division social science electives 15
4. ELECTIVES **Lower or Upper Division 7-9

*Must include at least one Area I field other than literature or philosophy.

**Recommended Program**

**FRESHMAN YEAR**

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<tr>
<th>1st SEM</th>
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<tr>
<td>English E 101-102 or E 111-112</td>
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<tr>
<td>Math M 204-206 or M 211-212</td>
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</table>
College of Business

**SOPHOMORE YEAR**
- Prin of Economics EC 201-202 or EC 201H-202H ........................................ 3 3
- Area I core (Literature) ................................................................................. 3 3
- Area III core (Science) ................................................................................ 4
- Intro Information Systems IS 210 .................................................................. 3
- Intro Financial Accounting AC 205 ............................................................... 3 3
- Area I core .................................................................................................... 3
- Area II core (except EC or HY) ................................................................. 3
- Math M 206 or Elective ............................................................................. 4-3
- Statistics M 361 or DS 207 ................................................................. 3 3 4
- TOTAL ........................................................................................................ 16-15 16-17

**JUNIOR YEAR**
- Interned Microeconomics EC 303 ................................................................. 3
- Interned Macroeconomics EC 303 ............................................................... 3
- History Economic Thought EC 311 ............................................................. 3
- Economics Electives ......................................................................................
- Linear Algebra M 301 ..................................................................................
- Stat DS 208 (if M 361 not taken) or Elective ............................................. 3
- UD Math or Decision Science ........................................................................
- Area I or II Elective ......................................................................................
- Elective .......................................................................................................... 3
- TOTAL .......................................................................................................... 16 15-16

**SENIOR YEAR**
- Econometrics EC 421-422 ......................................................................... 3
- Economics Electives ......................................................................................
- UD Math or Decision Science ........................................................................
- Area I or II Elective ......................................................................................
- Electives ....................................................................................................... 6 5-6
- TOTAL .......................................................................................................... 18 15-16

**ECONOMICS—SOCIAL SCIENCE SECONDARY EDUCATION EMPHASIS Bachelor of Arts Degree**

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

1. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
2. Must complete a minimum of 15 credits in each of two of the above departments.
3. Must complete six credits in U.S. History and three credits of American National Government for certification requirements.

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

1. TOTAL Requirements
   General University and Major Requirements ............................................. 128
2. LOWER DIVISION COURSES (Total) ......................................................... 54 or 55
   English Composition E 101-102 or E 111-112 ........................................ 6
   Literature (AREA I Core) ...........................................................................
   Other Arts and Humanities (AREA I Core) .................................................
   Principles of Economics EC 201-202 or EC 201H-202H .........................
   History of Economic Thought EC 311 .....................................................
   Macroeconomics EC 421-422 .................................................................
   Elective ....................................................................................................
   Intro to Managerial Accounting AC 205 ...................................................
   Intro to Information Science IS 210 ...........................................................
   Legal Environment of Business GB 202 ............................................... 3
   Statistical Techniques DS 207-208 ......................................................... 6
   TOTAL ......................................................................................................... 48
3. UPPER DIVISION COURSES (Total) ........................................................ 48
   Intermediate Microeconomics EC 303 ....................................................... 3
   Intermediate Macroeconomics EC 305 ....................................................
   History of Economic Thought EC 311 ....................................................
   Econometrics EC 421-422 .................................................................
   Elective ....................................................................................................
   Intro to Managerial Accounting AC 205 ...................................................
   Intro to Information Science IS 210 ...........................................................
   Legal Environment of Business GB 202 ............................................... 3
   Organizational Behavior MG 401 ...........................................................
   Business Policies GB 450 ............................................................... 3
   TOTAL ......................................................................................................... 48
4. ELECTIVES Lower or Upper Division (Total) ............................................. 25 or 26
   Free Electives ...........................................................................................
   *Non-business Electives from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics) although the selections need not be made from the list of University core courses.

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211-212) and Linear Algebra (M 301).

**BUSINESS ECONOMICS MAJOR Bachelor of Business Administration Degree**

1. TOTAL Requirements General University and Major ................................ 128
2. LOWER DIVISION COURSES (Total) ......................................................... 54 or 55
   English Composition E 101-102 or E 111-112 ........................................ 6
   Other Arts and Humanities (Area I Core) .................................................
   Principles of Economics EC 201-202 or EC 201H-202H .........................
   Non-Economics Social Science (Area II Core) ........................................
   Math M 105-106 or M 111-204 ................................................................. 8 or 9
   Natural Science (Area III Core) ............................................................... 4
   intro to Managerial Accounting AC 205 ...................................................
   intro to Information Science IS 210 ...........................................................
   Legal Environment of Business GB 202 ............................................... 3
   Statistical Techniques DS 207-208 ......................................................... 6
   TOTAL ......................................................................................................... 48
3. UPPER DIVISION COURSES (Total) ........................................................ 48
   Intermediate Microeconomics EC 303 ....................................................... 3
   Intermediate Macroeconomics EC 305 ....................................................
   History of Economic Thought EC 311 ....................................................
   Econometrics EC 421-422 .................................................................
   Elective ....................................................................................................
   Intro to Managerial Accounting AC 205 ...................................................
   Intro to Information Science IS 210 ...........................................................
   Legal Environment of Business GB 202 ............................................... 3
   Organizational Behavior MG 401 ...........................................................
   Business Policies GB 450 ............................................................... 3
   TOTAL ......................................................................................................... 48
4. ELECTIVES Lower or Upper Division (Total) ............................................. 25 or 26
   Free Electives ...........................................................................................
   *Non-business Electives from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics) although the selections need not be made from the list of University core courses.

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211-212) and Linear Algebra (M 301).

**Recommended Program**

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<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<tr>
<td>English Composition E 101-102 or E 111-112</td>
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<td>Math M 105-106 or M 111-204</td>
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<td>Area I core (Science)</td>
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<tr>
<td>Intro to Managerial Accounting AC 205</td>
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<td>3</td>
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<tr>
<td>Legal Environment of Business GB 202</td>
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<tr>
<td>Statistics DS 207-208</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Intro Information Systems IS 210</td>
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<td>3</td>
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<td>*Non-business Elective (Area I, II, III)</td>
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<tr>
<td>TOTAL</td>
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</table>
JUNIOR YEAR
Intermediate Microeconomics EC 303 ................. 3
Intermediate Macroeconomics EC 305 ................. 3
History Economic Thought EC 311 ..................... 3
Management and Organizational Theory MG 301 .... 3
Prin Finance FI 303 ................................ 3
Prin Marketing MK 301 ................................ 3
Business Communication AS 328 .......... 3
Prin Production Management DS 345 ................. 3
*Non-business Electives (Area I, II, III) ......... 3-4
TOTAL ............................................. 15-16

SENIOR YEAR
Econometrics EC 421-422 ................................ 3
Economics Electives ..................................... 6
Organizational Behavior MG 401 ................. 3
Business Policies GB 450 .................................. 3
Free Electives ........................................ 4-5
TOTAL ............................................. 16-17

*Must include hours in at least two of the three Areas I, II, III.

Course Offerings
See page 19 for definition of course numbering system

EC ECONOMICS

Lower Division
EC 201 PRINCIPLES OF ECONOMICS-MACRO (3-0-3) Area III. Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.

EC 202 PRINCIPLES OF ECONOMICS-MICRO (3-0-3) Area II. An introduction to microeconomic analysis covering supply and demand, the basic market structures, the operation of the price system, and the distribution of income. Provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic development.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3). Problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed. Topics include Marxian socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. PREREQ: Upper division or PERM/INST.

EC 205 LABOR ECONOMICS (3-0-3). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed. The operation of the labor market is emphasized. The effects of economic policy instruments and decisions on aggregate labor market performance goals, PREREQ: EC 201-202.

EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. PREREQ: EC 201, EC 202.

EC 303 INTERMEDIATE MICROECONOMICS (3-0-3). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. PREREQ: EC 202.

EC 305 INTERMEDIATE MACROECONOMICS (3-0-3). Analysis of the determinants of the level of national income, employment, productivity and the price level. Analysis of the effects of economic policy instruments and decisions on aggregate economic performance goals. PREREQ: EC 201.

EC 310 (PO 310) PUBLIC FINANCE (3-0-3S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. PREREQ: EC 201, 202, or PERM/INST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3S). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. PREREQ: EC 201-202.

EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3S). A comparative study of the goals and methods of various economic systems such as capitalism, socialism and communism. The study will be approached from both a theoretical and practical point of view. PREREQ: EC 201 or PERM/INST.


EC 321 REGIONAL ECONOMICS (3-0-3S). Application of economic analysis to regional problems of structure, growth and policy. Location theory, various growth models, and specific techniques such as input-output analysis, base multipliers and cost-benefit analysis are developed. PREREQ: EC 201-202.

EC 322 URBAN ECONOMICS (3-0-3S). Focus on the structure of the urban areas, location patterns, housing, crime, pollution, poverty, financial and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. PREREQ: EC 201, 202 or PERM/INST.

EC 325 RADICAL ECONOMICS (3-0-3S). Analysis of radical political-economic thought and its applications to the study of socioeconomic problems. Topics include Marxian socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. PREREQ: Upper division or PERM/INST.

EC 327 LABOR ECONOMICS (3-0-3S). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed. The operation of the labor market is emphasized. The effects of economic policy instruments and decisions on aggregate labor market performance goals. PREREQ: EC 201-202.

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3S). The theoretical and policy issues associated with the use of natural resources are addressed, including property rights issues which arise when considering collective goods, externalities and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 202.

EC 345 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3) (Alternate years). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. PREREQ: EC 305.

EC 417 (HY 417). U.S. ECONOMIC HISTORY (3-0-3S). 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, 202 or PERM/INST. Alternate years.

EC 421-422, 421G-422G ECONOMETRICS (3-0-3S). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. PREREQ: M 106 or equivalent and DS 267-268. May be taken for graduate credit. EC 421G-Fall; EC 422G-Spring. (EC 421 is PREREQ for EC 422.)

Department of Management

Business Building, Room 313
Telephone (208) 385-1313
Chairman and Professor: Dr. Bong Shin; Professors: Bigelow, Wines, Wilterding; Associate Professors: Bixby, Glen, Kettelwell, Napier, Waldorf, Wines; Assistant Professors: Kaupins, Riffie; Special Lecturer: Jameson.

Degrees Offered

• BBA, BA, and BS in General Business Management
• BBA, BA, and BS in Management, Entrepreneur Emphasis
• BBA, BA, and BS in Management, Human Resource Management Emphasis
• BBA, BA, and BS in Management, Transportation Emphasis

Department Statement
The goal of the Management Department is to graduate individuals who have acquired competency in management skills and the qualities of an educated person. The Department of Management offers two majors: General Business Management and Management.

The General Business Management provides a broad-based curriculum. Students majoring in General Business receive a background in a variety of business areas. The major is designed for students who wish to specialize in any single area of business. Emphasis is placed on the development of logical thinking and the use of technical tools directed at recognizing and solving problems which occur in the business community. A major in General Business Management is especially appropriate for those who desire to enter the management trainee programs offered by a great number of business corporations from the fast food industry to public utilities and financial institutions.
The Management major provides as fine a management education program for students as might be achieved anywhere in the country. This program emphasizes professionalism leading into three distinctive management areas. These are:

- **Entrepreneurial Management option** prepares those who wish to start their own business or perhaps work in a family-owned business. An entrepreneur is defined as one who organizes and directs a business undertaking assuming the risks for the sake of the profits. This option is a degree definitely designed to encourage the motivated self-starter. In a small to medium-sized business, the entrepreneur may assume many job titles and duties to enhance the possibility of a successful business venture.

- **Human Resource Management option** prepares those who wish to be involved with the employee-employer relationship. The curriculum provides a solid foundation for those interested in the personnel process of a business and the administration and operation of a company’s programs as they apply to employees.

- **Transportation Management option** is designed for those who wish to be involved in one of the several areas available in the transportation industry: (1) air; (2) motor freight; (3) commuter bus; and (4) the railroads.

### Recommended Programs

**GENERAL BUSINESS MANAGEMENT MAJOR**
Bachelor of Business Administration Degree

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<td>Fundamentals of Speech Comm (AREA II) CM 111</td>
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<td>General Psychology (AREA II) P 101</td>
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<td>Mathematics (AREA III) M 105-106 or M 111-204</td>
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<td>Principles of Economics (AREA II) EC 201-202</td>
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<td>Intro Financial &amp; Managerial Acctg. AC 205-206</td>
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<tr>
<td>Statistical Techniques I, II DS 207-208</td>
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<td>Intro to Information Systems IS 210</td>
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<td>Legal Environment of Business GB 202</td>
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<td>General Electives (AREA I,II,III)</td>
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<tr>
<td>Principles of Marketing MK 301</td>
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<tr>
<td>Management &amp; Organizational Theory MG 301</td>
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<tr>
<td>Commercial Law GB 302</td>
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<tr>
<td>Principles of Finance FI 303</td>
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<td>Economics Elective EC 303,305,321,322 or 327</td>
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<td>Working Capital Management I FI 410</td>
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<td>Principles of Production Management DS 345</td>
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<td>Business Communications AS 328</td>
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<td>Business Ethics &amp; Social Responsibility GB 360</td>
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<td>Government and Business GB 441</td>
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**MANAGEMENT MAJOR**
ENTREPRENEURIAL EMPHASIS
Bachelor of Business Administration

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**HUMAN RESOURCE MANAGEMENT EMPHASIS**
Bachelor of Business Administration

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### College of Business

#### Course Offerings

See page 19 for definition of course numbering system

#### AV AVIATION MANAGEMENT

**Lower Division**

- **AV 101 INTRODUCTION TO AERONAUTICS (3-0-3)**. Survey of basic aerodynamics, meteorology, navigation and Federal Aviation Agency regulations. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. At termination, the student may take the FAA Private Pilot examination.

- **AV 201 COMMERCIAL PILOT GROUND SCHOOL (3-0-3)**. Study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. PREREQ: Private pilot certificate.

- **AV 205 INTRODUCTION TO AVIATION MANAGEMENT (3-0-3)**. Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

**Upper Division**

- **AV 331 AIRPORT MANAGEMENT (3-0-3)**. Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. PREREQ: AC 205.

- **AV 351 AIRLINE AND AIR CARGO MANAGEMENT (3-0-3)**. The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management.

- **AV 450 SEMINAR IN AIR TRANSPORTATION (3-0-3)**. Selected readings and topics on current issues in the air transportation industry. It is an in-depth review of past, present and future roles of involvement representing all sectors of the industry.

#### GB GENERAL BUSINESS

**Lower Division**

- **GB 101 INTRODUCTION TO BUSINESS (3-0-3)**. Designed to acquaint the student with the many phases of business. An introduction to the business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Not recommended for four year business majors. Juniors and Seniors with declared business majors excluded.

- **GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3)**. Emphasis will be on both the internal and external legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal consequences of business. Freshmen excluded.

**Upper Division**

- **GB 302 COMMERCIAL LAW (3-0-3)**. This course provides an in-depth study of the legal principles relating to commercial transactions. Special emphasis will be placed on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. PREREQ: GB 202.

- **GB 325 PRINCIPLES OF TRANSPORTATION (3-0-3)**. Study of the economic and management problems and functions of the transportation industry. Covers the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal control and obligations of firms engaged in transportation services.

- **GB 350 LOGISTICS THEORY (3-0-3)**. This course discusses Management's responsibility for the movement of raw materials and finished products, including traffic management, plant location, materials handling, distribution, warehousing, inventory control, and production scheduling.

- **GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3)**. Exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form individual positions on ethical conduct and social responsibility.

- **GB 371 TRANSPORTATION LAW (3-0-3)**. This course will provide a coverage of the legal issues involved in the field of transportation such as jurisdiction, carrier responsibility, and current regulation in a de-regulated environment.

- **GB 441-441G GOVERNMENT AND BUSINESS (3-0-3)**. Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations.

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### Course Offerings Table

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are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: GB 202.

GB 445 INTERNATIONAL BUSINESS (3-0-3)(F). An overview of (1) the international business environment; (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm level decisions about marketing, finance and personnel, and other functions.

GB 450 BUSINESS POLICIES (3-0-3). To develop analytical problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. PREREQ: Senior standing plus MG 301, MK 301, Do 345, Fi 303.

MG MANAGEMENT

Upper Division

MG 301 MANAGEMENT AND ORGANIZATIONAL THEORY (3-0-3). Emphasis on conceptual application of management and organizational theory, nationally and internationally. Topics include organizational environments, decision-making, design, technology, leadership, effectiveness, and information and control.

MG 305 PERSONNEL ADMINISTRATION (3-0-3)(F/S). The functions of personnel administration—human resources, planning, procurement, development, utilization, and compensation—with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered (e.g., OSHA, Fair Employment Regulations, etc.). PREREQ: MG 301 or PERM/INST.

MG 317 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3)(F/S). Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: MG 301.

MG 318 NEW VENTURE CREATION (3-0-3)(F/S). This course is a continuation of MG 317 Small Business and Entrepreneurial Management. Topics include the legal, financial, marketing, and managerial issues involved in creating a new enterprise. A major requirement of the course is the completion of a comprehensive business plan describing and analyzing a proposed new venture.

MG 330 HUMAN RESOURCE LAW (3-0-3)(F). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed.

MG 340 EMPLOYEE AND LABOR RELATIONS (3-0-3)(F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concept and terminology in labor-management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made.

MG 344 INTERNATIONAL TRANSPORTATION (3-0-3)(F/S). An insight into the study of documentation, rates, conferences, terminal policies, government policies and aids, carriers and routes associated with international trade. Water transportation associated with domestic service is featured.

MG 401 ORGANIZATIONAL BEHAVIOR (3-0-3). Emphasis on action skills useful for managers. Topics include managing of self, communicating, motivating, innovating, managing a group, using of formal and social power, persuading, and dealing with uncertainty. PREREQ: MG 301.

MG 405 MANAGEMENT OF TECHNOLOGY (3-0-3)(F/S). Study of the business implications of major technological changes, such as computer integrated manufacturing, office automation, and telecommunications. Develops a framework for examining the strategic, structural and socio-technical aspects of managing technological change in organizational settings. PREREQ: MG 301.

MG 406 COMPENSATION MANAGEMENT (3-0-3)(F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Legislation affecting compensation and unique compensation problems of public employees and employees of transnational enterprises. PREREQ: MG 305 or PERM/INST.

MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Special attention is devoted to public sector bargaining. PREREQ: MG 340, 330, or PERM/INST.
The marketing curriculum is designed to provide students with a comprehensive background in marketing while still providing flexibility to adapt to individual and career goals. Therefore, the major requirements allow a student the ability to choose from an array of courses. The course work stresses pragmatic applications of marketing concepts through cooperative programs with local businesses. The marketing program is designed to prepare students for a variety of career positions including industrial sales, advertising, marketing research, and other marketing positions.

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**Course Offerings**

See page 19 for definition of course numbering system

**AS ADMINISTRATIVE SERVICES**

**Upper Division**

**AS 309 RECORDS MANAGEMENT** (3-0-3). Creation, processing, maintenance, protection and destruction of business records. These topics will be covered from the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed.

**AS 328 BUSINESS COMMUNICATION** (3-0-3). The effectiveness and correctness of writing and the psychology of letter writing will be stressed through the preparation of a variety of business messages. Specific memorandum and letter problems will be used in conjunction with various cases to provide students with realistic opportunities to develop writing skills necessary for entry-level performance. PREREQ: E 102.

**AS 338 TECHNICAL WRITING FOR BUSINESS** (3-0-3). A study and application of the principles and logic of effective writing in the preparation of business reports and technical papers. Specific as well as general instruction in the gathering and interpreting of data, organizing of information, and writing of the final report. The case-study approach will be used. PREREQ: AS 328.

**FI FINANCE**

**Lower Division**

**FI 208 PERSONAL FINANCE** (3-0-3). (Formerly FI 108, Personal Finance.) This course addresses the growing complexity of financial decision making faced by the individual. It provides basic financial entanglements; installment buying; borrowing; owning or renting a home; budgeting and money management; savings and investment alternatives; life, health, accident and auto insurance; personal income taxes and estate planning.

**FI 231 PRINCIPLES OF INSURANCE** (3-0-3). (Formerly FI 231, Principles of Insurance.) Fundamental legal principles involved in insurance contracts, company practices in relation to insurance management are stressed as is the field of regulation both in the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability and medical.

**FI 250 PERSONAL INVESTING** (3-0-3). The basic mechanics and principles of investing are introduced to acquaint students with investment vehicles, markets, and processes. Other topics will include speculation, options, and commodities. This course may not serve as a finance elective.

**Upper Division**

**FI 303 PRINCIPLES OF FINANCE** (3-0-3). An introductory course focusing on financial management of business concerns. Topics include: allocation of resources for investment in short- and long-term assets; decisions with respect to debt and equity financing, and dividend policy. Lectures and reading are blended with problems and cases for class discussion. By the use of practical application. PREREQ: College of Business UD Standing, or PERM/INST.

**FI 410-410G WORKING CAPITAL MANAGEMENT** (3-0-3). (Formerly FI 325, Financial Management.) This course considers the short-term financial management of a firm. Financial analysis of past, present, and future operations is emphasized. Cash flow analysis, management of current accounts and cost benefit analysis are stressed. Case discussions provide a merging of theoretical concepts and practical application. PREREQ: Upper Division Standing, FI 303.
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2x761]:---[746][536][1x519][1x469][27x685],of capital. Cash-flow analysis and alternative investment decision rules are ex-
and return, the Efficient Market Hypothesis, Modern Portfolio Theory, the Capital
fi 450 INVESTMENT MANAGEMENT (3-0-3)(F). This course examines the U.S.
ternational banking. PREREQ: Upper Division Standing, FI 420.
FI 421-421G DECISION PROCESSES IN BANKING (3-0-3)(S). The topics included
in this course are those which involve the specific decision making areas faced
by participants in the banking industry. These decision areas include the manage-
ment of liquidity reserves and securities portfolios, consumer, business, and real
estate loans, liability control, asset-liability management, trust banking and in-
national banking. PREREQ: Upper Division Standing, FI 420.
FI 450 INVESTMENT MANAGEMENT (3-0-3)(F). This course examines the U.S.
Securities markets from both a theoretical and a practical viewpoint. Topics in-
clude: mechanics of direct investment, measurement and management of risk
and return, the Efficient Market Hypothesis, Modern Portfolio Theory, the Capital
Asset Pricing Model, and analysis of investment performance. Class format in-
corporates lecture, readings, and guest lecturers. PREREQ: Upper Division Stand-
ing and FI 303, DS 301.
FI 451-451G PROBABILITY IN FINANCIAL MARKETS (3-0-3)(S). This course focuses
on both recent and past innovations in the securities markets. Futures contracts
and options and the theory of hedging using both agricultural and financial
futures contracts options writing, and index options are stressed. A combina-
tion of theory and practice will be sought relying on lecture, text material, jour-
nal and trade articles, and guest speakers. PREREQ: Upper Division Standing, FI 450.
FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3)(F). Designed to provide an op-
opportunity for study of a particular area of finance at an advanced level. Builds
background developed in the regularly scheduled finance courses. The topics
offered will be selected on the basis of their timely interest to finance students
and a particular expertise of the instructor.
MK MARKETING
Upper Division
MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Describes the methods of iden-
ifying and interpreting wants and needs of people; selecting the particular wants
and needs the organization will satisfy; determining the product, price, promo-
tion, and place in a proper mix. PREREQ: Junior standing.
MK 306 PROMOTION MANAGEMENT (3-0-3)(F/S). A comprehensive approach to
creating and implementing advertising and promotional activities. New issues of
consumer research are emphasized and integrated with the promotional mix.
The economic and social criticisms of advertising are stressed to insure that
managers are aware of the ethical responsibilities inherent in the job. PREREQ:
MK 301.
MK 307 CONSUMER BEHAVIOR (3-0-3)(F/S). Theories of behavior related to pur-
chase and consumption of goods or services. Individual as well as group reaction
in social science research is evaluated. PREREQ: MK 301.
MK 320 INTERMEDIATE MARKETING MANAGEMENT (3-0-3)(F/S). Marketing prin-
ciples and theories integrated with analytical and behavioral decision processes.
Emphasis on problem and opportunity recognition, marketing strategies, plan-
ning and administering marketing programs. Consumer, industrial, institutional,
and national markets considered. PREREQ: MK 301.
MK 415-415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for
marketing decisions. Provides experience in planning, designing and im-
plementing research activities. PREREQ: DS 208 and MK 301.
MK 421 SALES ADMINISTRATION (3-0-3)(F). Management and integration of sales
organizations, emphasizing recruiting, selection, training, supervision, com-
pensation of salesmen. Stress also placed on coordination with other functional
managers, ethics and social responsibilities of the sales manager. PREREQ: MK 301.
MK 425 ADVANCED MARKETING MANAGEMENT (3-0-3)(F). Case and "real
world" study of marketing problems. Emphasis on problem definition, recogni-
tion of alternative solutions, decision criteria, and defense of a "best" solution.
PREREQ: MK 320 and MK 415.
MM MARKETING-MID-MANAGEMENT
Lower Division
MM 100 MID-MANAGEMENT (2-0-2)(F/S). For students enrolled in the mid-
management program. Student may earn 2 semester hours credit for a maximum
of four semesters. This provides actual experience in retail, wholesale, or ser-
vice field as a paid employee. Student is evaluated by both the employer and
the program coordinator.
MM 101 SALESMANSHIP (3-0-3)(F/S). A basic course in personal selling techni-
cues as applied in working situations in the modern retail store, wholesaler, and
manufacturer establishments, analysis of customer behavior and motivation;
methods of creating customer attention, interest, desire and action. Special em-
phasis is given to ethical sales techniques.
MM 105 ELEMENTS OF MANAGEMENT (3-0-3)(F). Principles of management
related to the functions of planning, organizing, staffing, directing, and controll-
ing. Production is not considered. Mid-Management Majors only.
MM 201 CONSUMER MARKETING (3-0-3)(F). The study of activities by which
goods and services flow from producer to ultimate consumer. Includes methods,
policies, and evaluation of the various marketing institutions according to the
function performed.
MM 203 PRINCIPLES OF ADVERTISING (3-0-3)(S). Objectives and policies of sales
promotion, study of the media, and regulation of advertising. Coordination of
display, selling and other merchandising factors. Preparation of copy, illustra-
tions, layout and display.
MM 204 RETAIL MERCHANDISING (3-0-3)(F). Merchandise planning and control,
expenses, and cost reduction, purchasing for resale, pricing of goods, retail con-
trol systems. Mid-management majors only.
MM 209 REPORT WRITING (3-0-3)(F). Prepares the student to write reports for
business situations. Emphasis is placed on actual preparation of reports, research
methods, and readability of the finished product. Mid-management majors only.
MM 250 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN RETAILING
(3-0-3)(S). Applications in the retail field including basic operation, spreadsheets,
and database applications. Spring Semester.
RE REAL ESTATE
Lower Division
RE 201 FUNDAMENTALS OF REAL ESTATE (3-0-3)(F/S). Essentials of real estate prac-
tice, listings, sales, financing, land descriptions, investments, brokerage, advert-
sisting, market analysis and fundamentals arising from real estate transactions.
This course meets the current minimum 45 hour classroom education require-
ment of the State of Idaho to take the RE sales examination.
RE 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establish-
ing and governing basic rights of ownership an use of real estate. The concepts
of the modern real estate transaction the real estate brokerage business; and the
various legal relationship involved are discussed. PREREQ: GB 202 and RE 201.
Upper Division
RE 331 APPRAISAL OF REAL ESTATE (3-0-3) (F/S). Modern real estate appraising
concepts and the technical skills employed in their application to residential pro-
erty. PREREQ: RE 201.
RE 340 REAL ESTATE INVESTMENT AND TAXATION (3-0-3)(F/S). Real Estate from
the investor (owner's) point of view with special attention to the tax aspects in-
cluding Risk and Return Analysis, Property Leverage, Discounted Cash Flow, Tax
Consequence of Sales, Exchanging, Multiple Exchanges, and Computerized In-
vestment Analysis. PREREQ: RE 201, 220 and FI 303.
RE 360 REAL ESTATE FINANCE (3-0-3)(F/S). Financial analysis and examination of
the intricacies of the real estate mortgage markets, source of mortgage funds,
federal government and mortgage markets, lending decisions, management of
loan portfolios; leasing, construction financing, creative financing, and financ-
ing of specific types of real property. PREREQ: RE 201 and FI 303.
RE 431 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F/S). Following a review of
the steps leading to the estimation of net income, all prevalent methods and
techniques of converting net income into an indication of value are fully covered.
Direct capitalization, the residual techniques, and capitalization roles are analyz-
ed. PREREQ: RE 201, 331.