College of Arts and Sciences

Dean: William J. Keppler, Ph.D.
Associate Dean: Margaret Peek, Ph.D.


Philosophy
The philosophy of the college is to provide students with quality academic programs in the Arts, Humanities, Sciences, and Social 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, Communication, English, History, Music, Political Science, Social Science, Social Work, Sociology, Theatre Arts, and in the Sciences-Biology, Chemistry, Construction Management (with the College of Business), Earth Science, Geology, 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), Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition), and Master of Arts in Secondary Education with majors in various departments (see College of Education programs elsewhere in this Catalog).

2. To offer undergraduate preparation in pre-Engineering, Forestry, and Wildlife Management.

3. To offer elective and service courses for students majoring in other 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, and the Communication Department includes a new public access cable television station and the student radio station KBSU.

The Frank Church Public Affairs Conference, sponsored by the School of Social Sciences and Public Affairs, annually brings noted speakers and scholars on campus.

Students can participate in many activities sponsored by the departments in the College, including art exhibits (Art), debate and reader's theater (Communication), 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.
**Department of Art**

Liberal Arts Building, Room 252  
Telephone (208) 385-1230

Chairman and Professor: Louis A. Peck; Professors: Huff, Killmaster, Kober, Robert, Skov, Takehara; Associate Professors: Blankenship, Douglass, Heap, Miller, Ochi, Oravez, Russell, Watia; Assistant Professors: Benson, Hoopes, Shurtleff, Smith, Taye, Taylor; Visiting Professor: Machacek.

**Majors Offered**

Art  
Art, Secondary Education  
Pre-Architecture

**Degree requirements**

**ART MAJOR**  
Bachelor of Arts Program

<table>
<thead>
<tr>
<th>General University &amp; Basic Core Requirements</th>
<th>51</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Art Major Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Painting and-or Watercolor AR 113, 114, 217, 218</td>
<td>6</td>
</tr>
<tr>
<td>Drawing AR 111, 112</td>
<td>6</td>
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<tr>
<td>Art History</td>
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<tr>
<td>Design AR 105, 106</td>
<td>6</td>
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<tr>
<td>Ceramics AR 225</td>
<td>2</td>
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<tr>
<td>Sculpture AR 231</td>
<td>2</td>
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<tr>
<td>Printmaking AR 209</td>
<td>2</td>
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<tr>
<td>Art Metals AR 221</td>
<td>2</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
<td>3</td>
</tr>
<tr>
<td><strong>Major Emphasis</strong></td>
<td>38</td>
</tr>
<tr>
<td>A total of 14 credits hours from any Fine Arts area will constitute the major emphasis, which includes: Painting, Watercolor, Drawing, Ceramics, Sculpture, Printmaking, Art Metals, Photography, Art History.</td>
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</tr>
<tr>
<td>Electives</td>
<td>41</td>
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</table>

**Art Education-Bachelor of Arts Program**

<table>
<thead>
<tr>
<th>General University &amp; Basic Core Requirements</th>
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<tbody>
<tr>
<td><strong>Art Major Requirements</strong></td>
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<tr>
<td>Painting</td>
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<td>Watercolor</td>
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<td>Crafts</td>
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<td>Lettering</td>
<td>2</td>
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<tr>
<td>Senior Seminar</td>
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<tr>
<td><strong>Education Requirements for Qualification Toward State Certification. Refer to the Department of Teacher Education listing in the College of Education for complete information.</strong></td>
<td>41</td>
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<table>
<thead>
<tr>
<th>Educating Exceptional Secondary Student TE 333</th>
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<tbody>
<tr>
<td>Foundations of Education TE 201</td>
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<tr>
<td>Reading in Content Subject TE 307</td>
<td>3</td>
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<tr>
<td>Secondary School Methods TE 301</td>
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<tr>
<td>Educational Psychology P 325</td>
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<td>Art Methods in Secondary Schools AR 351</td>
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<td>Elementary School Art Methods AR 321</td>
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<td>Secondary Student Teaching</td>
<td>9-14</td>
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<td>29-34</td>
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<tr>
<td><strong>Electives</strong></td>
<td>15-13</td>
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<tr>
<td></td>
<td>128*</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>General University &amp; Basic Core Requirements</th>
<th>51</th>
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<tbody>
<tr>
<td><strong>Art Major Requirements</strong></td>
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<tr>
<td>Advertising Design</td>
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<tr>
<td>Watercolor and-or Painting</td>
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<td>Drawing</td>
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<td>Advertising Illustration</td>
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<td>Creative Photography</td>
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<td>Senior Seminar</td>
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<td><strong>Electives</strong></td>
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<td><strong>ART MAJOR</strong></td>
<td>128*</td>
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**ART MAJOR**  
Bachelor of Fine Arts Program

<table>
<thead>
<tr>
<th>General University &amp; Core Requirements</th>
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<tbody>
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<td><strong>Art Major Requirements</strong></td>
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<tr>
<td>Painting</td>
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<td>Art History</td>
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<td>Design</td>
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<td>Printmaking</td>
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<td>Ceramics</td>
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<td>Art Metals</td>
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<td>Senior Seminar</td>
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<td><strong>Art Electives</strong></td>
<td>16</td>
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<tr>
<td><strong>Education Requirements for Qualification Toward State Certification. Refer to the Department of Teacher Education listing in the College of Education for complete information.</strong></td>
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</table>

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<td>Reading in Content Subject</td>
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<tr>
<td>Secondary School Methods</td>
<td>3</td>
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</tbody>
</table>

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**Art Education-Bachelor of Fine Arts**

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<td>Crafts</td>
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<td>Lettering</td>
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<tr>
<td>Senior Seminar</td>
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* 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.
Educational Psychology .................................................. 3
Art Methods in Secondary Schools .................................. 3
Elementary School Art Methods ....................................... 3
Secondary School Teaching ............................................. 9-14
29-34
Electives ................................................................. 27-25
128*

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

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

General University & Core Requirements .......................... 32
Art Major Requirements

Advertising Design ....................................................... 10
Painting ........................................................................... 8
Drawing .......................................................................... 8
Watercolor ....................................................................... 4
Design ............................................................................. 6
Sculpture, Ceramics, Art Metals ....................................... 4
Lettering, Lettering & Layout ......................................... 4
Art History ....................................................................... 12
Creative Photography .................................................... 2
Printmaking ...................................................................... 2
Advertising Illustration .................................................. 6
Senior Seminar ............................................................. 3

27

Professional Electives ..................................................... 27

128*

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

Recommended Program

ART MAJOR
Freshman Year—All Degrees

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<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>Basic Design AR 105-106</td>
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<tr>
<td>Elementary Drawing AR 111-112</td>
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<tr>
<td>Art History AR 101-102</td>
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<tr>
<td>Lettering and Layout AR 107*</td>
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<tr>
<td>History (Area II)</td>
<td>3</td>
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</tbody>
</table>

16-18 16-18

* Not required in general Art degree

Pre-Architectural Program

Boise State University offers courses that can be used for a 2 to 2½ year pre-Architectural program. This program is preparatory and should be transferable to most architectural schools. Some universities offer a degree in Architectural Engineering. If interested in this type of degree the student should follow the Civil Option under the Engineering curriculum.

**ART COURSES**

Introduction to Art AR 103 OR Survey of Western Art AR 101 or AR 102 ........................................ 3
Basic Design AR 105-106 .................................................. 6
Drawing AR 111-112 ......................................................... 4
History of Amer Architecture I,II, AR 270,271 .................... 6
Basic Architectural Design AR 256 ................................... 3
Materials & Methods of Architecture AR 290 ..................... 3

2

Art Elective ................................................................. 2
Interior Decorating AR 131 .............................................. 2

2

ENGINEERING COURSES

Surveying EN 215 ............................................................. 2
Digital Computer Programming EN 104 ............................ 2

2

ENGLISH COURSES

English Composition E 101-102 ....................................... 6

6

College of Arts and Sciences

MATHEMATICS COURSES

Algebra & Trigonometry M 111 ......................................... 5
Calculus & Analytical Geometry M 204 ............................ 5

PHYSICS COURSES

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

Course offerings

AR ART

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

Lower Division

AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2)(F/S).

One semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the fundamental aspect of drawing and painting.

AR 101 SURVEY OF WESTERN ART (3-0-3)(F) (Area I). A historical survey of Painting, Sculpture, Architecture from Prehistoric Art through the Middle Ages.

AR 102 SURVEY OF WESTERN ART II (3-0-3)(S) (Area I). A historical survey of Painting, Sculpture, Architecture from the Renaissance to the present.

AR 103 INTRODUCTION TO ART (3-0-3)(F/S)(Area I). A one-semester course designed to acquaint the general college student with the aesthetic concepts of Painting, Scultpure, Architecture, and related Art forms.

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

AR 106 BASIC DESIGN (2-2-3)(Area I). A continued exploration of either two or three dimensional design elements. Emphasis is on the theoretical and applied study of the structural organization underlying two or three dimensional Art forms. PREREQ: AR 105 or PERM/INST.

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

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

Advisable to take AR 107 prior to AR 108.

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

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

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

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

AR 115 LANDSCAPE PAINTING (0-6-3)(SU). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.

AR 116 LANDSCAPE PAINTING (0-6-3)(SU). Description same as AR 115 above. Second summer session.

AR 123 CRAFTS (0-4-2)(F/S). Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and dye, creative stitchery, enameling, macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. This course is open to non-Art majors.

AR 131 INTERIOR DECORATION (2-1-2)(F/S). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture.

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

AR 204 ADVERTISING DESIGN (0-4-2)(S). Advanced work in various techniques employed in advertising and commercial art. PREREQ: AR 108, AR 203 or PERM/INST.
AR 209 INTRODUCTION TO PRINTMAKING (0-4-2)(F/S). A course designed to acquaint the student with creative work in woodcut, lithography, and intaglio. Advisable to have some experience in drawing and design.

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

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

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

AR 213 PAINTING (0-4-2)(F/S). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic or other media may be used. May be repeated once for credit. PREREQ: AR 113 and AR 114.

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

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

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

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

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

AR 225 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 225.

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

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

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

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

AR 252 HISTORY OF PHOTOGRAPHY (3-0-3)(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 photographic as an art form.

AR 255 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3)(F). 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 255 before enrolling in AR 256 Basic Architectural Design.

AR 256 BASIC ARCHITECTURAL DESIGN (1-4-3)(S). Introduction to the process of architectural design. Combines basic architectural projects with presentation techniques learned in AR 255 Architectural Graphic Communication. Advisable to take AR 105, AR 106 and AR 255 before enrolling in AR 256 Basic Architectural Design.


AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(S). This course is designed 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.

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 315.

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 317.

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 materials and methods (advanced) of jewelermaking and metalsmithing as they apply to the creative artist and teacher. May be repeated for credit. PREREQ: AR 221, 222, 307.

AR 425 STUDIO IN CERAMICS (0-6-3) (F/S). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as they apply 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 materials 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.

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

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

AR 499 HISTORY OF TWENTIETH CENTURY AMERICAN ART (3-0-3) (S). Advanced study in American Art from the Ashcan School through the Thirties with concentration on Abstract Expressionism, Pop, Op, and Minimal. Critical writings will be assigned. Advisable to take AR 302 prior to AR 499.

AR 501-509 STUDY IN ART (3-0-3) (F/S). Advanced study in art with emphasis on the artist's area of interest. May be repeated for credit. PREREQ: Permission of instructor.

Department of Biology

Science/Nursing Building, Room 223. Telephone (208) 385-3262

Chairman and Professor: Robert C. Ryherd; Professors: Baker, Centanni, Fritchman, Fuller, Papenfuss, Wicklow-Howard; Associate Professors: Douglas, Kelley, Long, McCloskey, Wyllie; Assistant Professor: Bechard.

Majors offered

Biology
Biology, Secondary Education
Pre-Forestry and Wildlife Management

Degree requirements

BIOLOGY-MAJOR
Bachelor of Science Option

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

A. Biology
1. Biology Core
   General Botany BT 130
   General Zoology Z 130
   Cell Biology B 301
   Genetics B 343
   Ecology B 423
   Molecular Biology Seminar B 498, 499.

2. Physiology—one course
   Plant Physiology BT 401
   Human Physiology Z 401
   General & Comparative Physiology Z 409

3. Morphology—one course
   Plant Anatomy BT 302
   Plant Morphology BT 311
   Comparative Vertebrate Anatomy Z 301
   Vertebrate Embryology Z 351

4. Biology Electives to total 45 credits

B. Chemistry
1. College Chemistry C 131-134
2. Organic Chemistry C 317, 319
3. General Chemistry C 231-232

C. Mathematics
1. Algebra and Trigonometry M 111
2. Calculus and Analytic Geometry M 204
3. Digital Computer Programming EN 104 (or M 124)

D. Recommended Electives
1. Area 1 & 2 Electives
2. Biochemistry C 431
3. Introduction to Biophysics PH 207
4. Earth Science Electives

Secondary Education Option—Major Endorsement
1. General University and Baccalaureate Degree Requirements
2. Major Requirements

A. Biology
1. Biology Core
2. Microbiology B 205
3. Genetics B 343, 344
4. Biology Electives

B. Chemistry
1. College Chemistry C 131-134

College of Arts and Sciences


**Recommended program**

**BIOLOGY MAJOR**

Bachelor of Science Degree

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**BILOGY MAJOR**

SECONDARY EDUCATION OPTION

Bachelor of Science

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**Electives (Area I)**: 3

**Electives (Area II)**: 3

**Other Electives**: 3

**Total Credits**: 15

**JUNIOR YEAR**

**Electives (Area I)**: 3

**Electives (Area II)**: 4

**Total Credits**: 15

**SENIOR YEAR**

**Electives (Area I)**: 3

**Electives (Area II)**: 4

**Total Credits**: 15

**PREFORESTRY 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.

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**Course offerings**

**B BIOLOGY**

**Lower Division**

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

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

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

**Upper Division**

**B 301 CELL BIOLOGY (3-3-3)(F/S):** Structure and function 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 (3-6-5)(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 (0-3-3)(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 415 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)(S). A survey of the physical factors of the environment and their effect on the mode of 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 arranged. 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.

BT BOTANY

Lower Division

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

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

Upper Division

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

BT 303 SYSTEMATIC BOTANY (2-2-4)(S). Fundamental problems of taxonomy. Discussion of historical development of classification systems and comparison of recent systems. Instruction on use of keys and manuals. PREREQ: BT 130, PERM/INST.

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

BT 330 MYCOLOGY (3-3-4)(F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. PREREQ: BT 130, PERM/INST. BT 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. B 302 and PH 101, 102 recommended. PREREQ: B 301, C 317, PERM/INST.

FS FORESTRY

Lower Division


Z ZOOLOGY

Lower Division

Z 107 CONCEPTS OF HUMAN ANATOMY AND PHYSIOLOGY (3-2-4)(F). A survey of human structure and function with emphasis on regulatory mechanisms of the body. This is a terminal course and does not satisfy allied health program requirements.

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107.

Z 120 ORGANIC EVOLUTION (3-6-5)(F/S). An introduction to the history and development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. PREREQ: B 301, PERM/INST.

Z 305 ANATOMY (2-6-4)(F). 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.

Z 306 IMMUNOLOGY (2-6-4)(F). 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.

Z 307 INVERTEBRATE ZOOLOGY (2-4-4)(S). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Offered in alternate years. PREREQ: Z 130 PERM/INST.

Z 341 ORNITHOLOGY (2-3-3)(S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. PREREQ: B 301, PERM/INST.

Z 351 VERTEBRATE EMBRYOLOGY (2-6-4)(S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of human organ systems. Laboratory studies of frog, chick, and pig development. PREREQ: Z 130 or PERM/INST.

Z 355 VERTEBRATE NATURAL HISTORY (2-6-4)(F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds and mammals. Two weekend field trips. PREREQ: Z 130, PERM/INST.

Z 361 MICROTECHNIQUE (1-3-3)(S). Theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. Offered alternate years. PREREQ: Z 130 PERM/INST.

Z 400 VERTEBRATE HISTOLOGY (3-3-4)(F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian systems. Z 301 or Z 351 are recommended prior to enrollment. PREREQ: Z 130 or PERM/INST.

Z 401 HUMAN PHYSIOLOGY (3-3-4)(S). Functional aspects of human tissue and organ systems with emphasis on regulatory and homeostatic mechanisms. PREREQ: Z 355, C 317, PERM/INST.

Z 409 GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4)(S). Physiological principles common to all forms of animal life are discussed. Physiological adaptations required to live in a variety of environments are presented. Physiological adaptations required to live in a variety of environments are presented. PREREQ: B 301, C 317, PERM/INST.

Z 421 MAMMALOLOGY (2-3-3)(S). Mammals as examples of biological principles: classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered alternate years. PREREQ: Z 355, PERM/INST.
Degree requirements

CHEMISTRY MAJOR
Bachelor of Science

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

1. General University and Baccalaureate Degree Requirements.
   A. Chemistry..................................................47
   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............................................3
   Instrumental Analysis C 411.............................................4
   Chemistry Seminar C 498, 499...........................................2
   Independent Study C 496................................................2
   B. Mathematics.....................................................10-18
   Completion of Mathematics through Calculus M 206
   C. Physics PH 220, 221, 222, 223, 224..............................11

2. Recommended Electives:
   Foreign Language
   Upper Division Mathematics
   Upper Division Physics
   Life Science Courses

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.
2. Major Endorsement Requirements
   A. Chemistry..................................................37-38
   College Chemistry C 131, 132, 133, 134..............................9
   Quantitative Analysis C 211, 212......................................5
   Organic Chemistry C 317, 318, 319, 320..............................10
   Physical Chemistry C 321, 322, 323, 324..............................8
   Chemistry Seminar C 498, 499...........................................2
   Additional Upper Division Courses.....................................3-4
   B. Mathematics
   Completion of Mathematics through M 206
   C. Physics Sequence
   PH 220, 221, 222, 223, 224........................................11
   D. Biology
   BT 130 and Z 130......................................................9

3. Idaho Certification Requirements
   Foundations of Education TE 201.....................................25
   Reading in Content Subjects TE 307.....................................3
   Education of Exceptional Secondary Students TE 333....................1
   Educational Psychology P 325..........................................3
   Secondary School Methods TE 381, 384..................................6
   Senior High School Student Teaching TE 483................................8
   The Senior High School TE 487.........................................1

Recommended programs

CHEMISTRY MAJOR
Bachelor of Science

NOTE: For students with a strong high school background.

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FRESHMAN YEAR
English Composition E 101, 102..............................3
College Chemistry C 131, 132, 133, 134..............................4
Mathematics M 204, 205........................................5
Physics I PH 220..................................................3
General Psychology P 101...........................................3
Foundations of Education TE 201....................................3
Totals | 17 | 17 |

SOPHOMORE YEAR
Organic Chemistry C 317, 319, 318, 320..............................5
Quantitative Analysis C 211, 212......................................5
Mathematics M 206.....................................................4
Physics PH 221, 223, 224...........................................4
Degree Requirements or Electives.....................................6
Totals | 18 | 15 |

JUNIOR YEAR
Physical Chemistry C 321, 322, 323, 324................................4
Physics III PH 222, 224...........................................4
Degree Requirements or Electives.....................................6
Totals | 17 | 18 |
Seniort Year courses

Upper Division Chemistry Course ................................ 3
Chemistry Seminar C 498, 499 ...................................... 1, 1
Secondary School Methods TE 381, 384 .......................... 3, 3
Senior High School Teaching TE 483, 487 ........................ 9
Educating Exceptional Sec. Students TE 333 ....................... 1
Degree Requirements and Electives ............................... 9
Totals 17 13

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

C Chemistry

Lower Division

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

C 107 Essentials of Chemistry (3-0-3)(Area III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic chemistry. Satisfactory Score on Mathematics Placement Exam "B" and/or satisfactory completion of Math 020 is required. Concurrent enrollment in C 108 is required.

C 108 Laboratory for Essentials of Chemistry (0-3-1)(Area III). The laboratory to accompany C 107. Concurrent enrollment in C 107 is required.

C 109 Essentials of Chemistry (3-0-3)(SU)(Area III). A continuation of C 107 to include basic concepts of Biochemistry. PREREQ: C 107 and 108. Concurrent enrollment in C 110 is required.

C 110 Laboratory for Essentials of Chemistry (1-3-2)(SU)(Area III). The laboratory to accompany C 109. One three-hour laboratory and one one-hour recitation. The recitation will include discussion of both lecture and laboratory material. COREQ: C 109.

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

C 132 Laboratory for College Chemistry (0-3-1)(SU)(Area III). Laboratory work to accompany C 131. Concurrent enrollment in C 131 is required.

C 133 College Chemistry (3-0-3)(SU)(Area III). A continuation of C 131 to include equilibrium, redox, and complex ions. PREREQ: C 131, 132.

C 134 Laboratory for College Chemistry (0-6-2)(SU)(Area III). Laboratory work to accompany C 133. To include qualitative analysis. PREREQ: C 131, 132.

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

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

Upper Division

C 317 Organic Chemistry Lecture (3-0-3)(F). An overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, mechanisms, stereochemistry, proteins, and carbohydrates. Will fulfill the requirements for an elementary organic course and partially fulfill the requirement for a more rigorous course. PREREQ: C 131, 132, 133, 134. Concurrent credit enrollment in C 319 is required.


C 319 Organic Chemistry Laboratory (1-3-2)(F). Basic organic laboratory techniques and simple organic syntheses. One three-hour laboratory and one hour of recitation per week. Concurrent enrollment in C 317 is required.

C 320 Organic Chemistry Laboratory (1-3-2)(S). More advanced organic laboratory techniques, syntheses, classical organic qualitative analysis and an introduction to spectroscopic methods. Three hours of laboratory and one hour of recitation, per week. PREREQ: C 319. Concurrent enrollment in C 318 is required.

C 321, 322, Physical Chemistry Lecture (3-0-3)(F/S). The fall semester will cover gases, point symmetry, molecular structure and quantum theory (briefly) and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibria, electrochemistry and absorption. PREREQ: C 131, 132, 133, 134, PH 102 or 221, M 206 or equivalent.

C 323, 324 Physical Chemistry Laboratory (0-3-1)(F/S). Laboratory experiments paralleling the material covered by the lectures. PREREQ: C 321, 322 or concurrent enrollment. A year's sequence (fall and spring).

C 341, 342 Glassblowing (0-3-1). C 341 acquaints students with the basics of scientific glassblowing. C 342 gives students practice in techniques and in construction of more complex apparatus. PREREQ: Junior Standing. Offered on demand.

C 401G Advanced Inorganic Chemistry (3-0-3)(F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solutions, and selected properties of elements of periodic table and inorganic comp. PREREQ: C 322, PERM/INST.

C 411G Instrumental Analysis (2-6-4)(S). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. PREREQ: C 211, 310. C 320 may be taken concurrently with C 411.

C 431G Introduction to Biochemistry (3-0-3)(F). A study of the chemistry of biologically important compounds and an introduction to metabolism. PREREQ: C 317.

C 432G Biochemistry Laboratory (0-3-1)(S). Identification, isolation, and reaction to biologically important compounds. PREREQ: C 431 or concurrent enrollment.

C 433G Biochemistry (3-0-3)(S). The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material. PREREQ: C 431.

C 440 Organic Qualitative Analysis (1-6-3)(S). Organic qualitative analysis with emphasis upon using spectroscopic methods and spectral interpretation. Two three-hour laboratories and one hour of lecture per week. PREREQ: C 318 and C 320.

C 498-C 499 Seminar (1-0-1)(F/S). Group discussions of individual reports on selected topics in the various fields of Chemistry. PREREQ: Chemistry major and senior standing.

Graduate

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

Department of Communication

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

Majors offered

Communication

Communication/English

Communication, Secondary Education

Degree requirements

Communication Major

Bachelor of Arts Program

1. Completion of general University requirements for Bachelor of Arts degree as listed on pages 32, 33.

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

   Introduction to Communication Study CM 115 .......................... 2
   Perspectives of Inquiry CM 201 .................................... 3
   Perspectives on Communication CM 421 ............................... 3
   Communication Seminar CM 498 ...................................... 3
   Communication Lab CM 116, 216, 316, 416 .......................... 9
   credits to be accumulated ........................................... 25-35
   Courses for Area of Emphasis ........................................ 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

With Journalism emphasis: Department requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Communication Studies CM 115</td>
<td>2</td>
</tr>
<tr>
<td>Perspectives on Inquiry CM 201</td>
<td>3</td>
</tr>
<tr>
<td>Communication Laboratory CM 116, 216</td>
<td>3</td>
</tr>
<tr>
<td>Interpersonal Communication CM 221</td>
<td>3</td>
</tr>
<tr>
<td>Rhetorical Theories CM 321</td>
<td>3</td>
</tr>
<tr>
<td>Perspectives on Communication CM 421</td>
<td>3</td>
</tr>
<tr>
<td>Communication Electives (Upper Division)</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>27</td>
</tr>
</tbody>
</table>

**ENGLISH**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Literature Survey</td>
<td>6</td>
</tr>
<tr>
<td>** Composition above the basic sequence</td>
<td>6</td>
</tr>
<tr>
<td>Introduction to Language Study LI 305</td>
<td>3</td>
</tr>
<tr>
<td>*** Literature Electives (Upper Division)</td>
<td>12</td>
</tr>
<tr>
<td><em>(Add Senior Seminar—Either CM 498 3 hours or E 498—2 hours)</em></td>
<td></td>
</tr>
<tr>
<td><strong>Total hours: 56 (27 and 27 and 2)</strong></td>
<td></td>
</tr>
</tbody>
</table>

With Communication emphasis: Department requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Communication Studies CM 115</td>
<td>2</td>
</tr>
<tr>
<td>Perspectives on Inquiry CM 201</td>
<td>3</td>
</tr>
<tr>
<td>Interpersonal Communication CM 221</td>
<td>3</td>
</tr>
<tr>
<td>Rhetorical Theories CM 321</td>
<td>3</td>
</tr>
<tr>
<td>Organizational Communication CM 361</td>
<td>3</td>
</tr>
<tr>
<td>Perspectives on Communication CM 421</td>
<td>3</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>27</td>
</tr>
</tbody>
</table>

**ENGLISH**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Literature Survey</td>
<td>6</td>
</tr>
<tr>
<td>Humanities LI 207, 208</td>
<td>3</td>
</tr>
<tr>
<td>** Advanced Writing and Linguistics</td>
<td>9</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>9</td>
</tr>
<tr>
<td><em>(Add Senior Seminar—Either CM 498 3 hours or E 498—2 hours)</em></td>
<td></td>
</tr>
<tr>
<td><strong>Total hours: 56 (27 and 27 and 2)</strong></td>
<td></td>
</tr>
</tbody>
</table>

In Reference to electives:

1. If students do not elect another Humanities course (either LI 207 or 208), then they should take nine additional upper division courses in each department.
2. If students elect the extra three hours in Humanities (either LI 207 or 208), then they would take six upper division hours in Communication or English and nine upper division hours in the other department.

* British or American.

** To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or technical writing.

***3 hours in courses before 1800.

**Recommended programs**

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

**Interpersonal Communication Emphasis**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General University Requirements</td>
<td></td>
</tr>
<tr>
<td>Departmental Core Requirements</td>
<td>20</td>
</tr>
<tr>
<td>Suggested Courses as follows:</td>
<td></td>
</tr>
<tr>
<td>A. Listening CM 131</td>
<td></td>
</tr>
<tr>
<td>Interpersonal Communication CM 221</td>
<td></td>
</tr>
<tr>
<td>Communication in the Small Group CM 251</td>
<td></td>
</tr>
<tr>
<td>Interviewing CM 307</td>
<td></td>
</tr>
<tr>
<td>Small Group Process CM 431</td>
<td>9</td>
</tr>
<tr>
<td>B. Mass Communication: Concepts and Perspectives CM 171</td>
<td></td>
</tr>
<tr>
<td>Nonverbal Communication CM 341</td>
<td></td>
</tr>
<tr>
<td>Intercultural Communication CM 351</td>
<td></td>
</tr>
<tr>
<td>Organizational Communication CM 361</td>
<td></td>
</tr>
</tbody>
</table>

**Mass Communication Emphasis**

1. General University Requirements                                            | 20      |
2. Departmental Core Requirements                                             |         |
3. Required Courses, as follows:                                              |         |
4. Suggested Courses, as follows:                                              |         |
5. Nine credits chosen from any of the following:                             |         |

**Secondary Education Emphasis**

1. General University Requirements                                            | 20      |
2. Departmental Core Requirements                                             |         |
3. Education Requirements (see Part 6, Secondary Education)                   |         |
4. Required Emphasis Area Courses:
   - Reasoned Discourse CM 112                                                 | 3       |
   - Internship in Directing Forensics CM 493                                  |         |
   - Interpersonal Communication CM 221                                       |         |
   - Methods of Teaching Communication CM 401                                  |         |
   - Communication Activities CM 114/314                                       | 1       |
   - Six credits chosen from the following presentation courses:
     - Public Speaking CM 231                                                  |         |
     - Oral Interpretation CM 241                                              |         |
     - Fundamentals of Speech Communication CM 111 OR                          |         |
     - Speech Communication for Teachers CM 311                                |         |
     - Communication Practicum CM 451                                          |         |
     - Communication in the Small Group CM 251                                 | 6       |

6. **Total 46**
Journalistic communication emphasis

1. General University Requirements .................................................. 20
2. Departmental Core Requirements .................................................. 18
3. Other Required Courses ................................................................. 20
4. Suggested Courses, chosen from the following 12
   CM COMMUNICATION, ................................................................. 20
   CM 114 COMMUNICATION ACTIVITIES (1-0-1). Preparation for and participation in communication activities designed to apply the principles of logical reasoning in the public forum.
   CM 115 COMMUNICATION ACTIVITIES (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. PREREQ: Permission of the instructor.
   CM 116 COMMUNICATION LABORATORY (1-1-2). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies. PREREQ: CM 115.
   CM 117 MASS COMMUNICATION: CONCEPTS AND PERSPECTIVES (3-0-3). A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication.
   CM 211 INTERPERSONAL COMMUNICATION (3-0-3). An examination of the nature of human communication. Focuses, through experimental learning, on awareness of self, communicative relationships and context.
   CM 212 INTRODUCTION TO MANAGERIAL COMMUNICATION (3-0-3). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.
   CM 213 ORAL INTERPRETATION (3-0-3). 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 214 COMMUNICATION IN THE SMALL GROUP (3-0-3). 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 215 REPORTING AND NEWS WRITING (3-0-3). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis on accuracy, conciseness and clarity in writing. Study of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copyreading symbols. PREREQ: E 102 and ability to use typewriter or perm. of instructor.
   CM 216 PHOTO COMMUNICATION (2-2-3)(F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcast. PREREQ: AR 251 or PERM/INST.

Course offerings

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 II). 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). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. PREREQ: Permission of the instructor.
CM 115 COMMUNICATION ACTIVITIES (1-0-1). Permission of the instructor.
CM 116 COMMUNICATION LABORATORY (1-1-2). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies. PREREQ: CM 115. May not be taken concurrently with CM 216, 316 or 416.
CM 121 VOICE AND DICTION (3-0-3). 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). 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). Theory and practice of man's most used communica-
tion skill. Analysis of variables as they promote or impede the process of listening.
CM 171 MASS COMMUNICATION: CONCEPTS AND PERSPECTIVES (3-0-3)(F). A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication.
CM 201 PERSPECTIVES OF INQUIRY (3-0-3). 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 (V-V-1 to 4). 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. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 316, 416.
CM 221 INTERPERSONAL COMMUNICATION (3-0-3). An examination of the nature of human communication. Focuses, through experimental learning, on awareness of self, communicative relationships and context.
CM 231 PUBLIC SPEAKING (3-0-3). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.
CM 311 SPEECH-COMMUNICATION FOR TEACHERS (3-0-3). 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). 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). 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 (V-V-1 to 4). 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. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 216, 416.
CM 321 RHETORICAL THEORIES (3-0-3). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.
CM 322 INTERMEDIATE MANAGERIAL COMMUNICATION (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 331 MESSAGE ANALYSIS AND CRITICISM (3-0-3). An evaluation of methods of analyzing and criticizing messages and their application to making critical appraisals of public communication.

CM 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3). 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). 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). The application of communication theory and methodology to the study of communication within and between organizations.

CM 372 JOURNALISTIC COMMUNICATION PRACTICUM (Var 1 to 4). Designed for students who seek professional experience and professional careers. Offers students training with professionals in the community. PREREQ: PERM/INST. May be repeated for a total of four hours.


CM 401 METHODS OF TEACHING COMMUNICATION (3-0-3). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods, development of behavioral objectives, and management of curricular programs.

CM 412 PERSUASION (3-0-3). 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 (Y-V-1 or 2). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation. PREREQ: CM 216 or CM 316. May be repeated for a total of 2 credits.

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). An advanced study of variables and theories affecting the communicative interaction of small groups.

CM 451 COMMUNICATION PRACTICUM (Var 1 to 4). 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). Study of the laws and ethics related to communication. PREREQ: Upper Division standing.

CM 471 RADIO-TV NEWSWRITING (2-0-2). Practice writing radio-television 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). 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). 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). Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the public. Consult the current semester time schedule for specific courses and content offerings. Each general course is repeatable, but the specific topic of study within the course is not repeatable.

CM 480 STUDIES IN JOURNALISTIC COMMUNICATION (3-0-3) F/S. Advanced instruction in journalistic theory, history, and practice. Subjects may include: Electronic Publications, Journalism History, Documentary Script Writing, etc. PREREQ: Upper division status and PERM/INST.

CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3). The examination of issues, contexts, and particularities 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.

CM 498 COMMUNICATION SEMINAR (3-0-3). A multi-theoretical approach to the analysis of communication problems and issues culminating in the presentation and defense of student generated projects. PREREQ: CM 421 and Senior standing.

Department of English

Liberal Arts Building, Room 228

Chairman and Professor: Charles G. Davis; Professors: Boyer, Leahy, Martin, Sahni, Willis; Associate Professors: Cocosili, Maguire, Peek, Trusky, Widmayer, Zirinsky; Assistant Professors: Ackley, Burmaster, Dayley, Evett, Fox, Buiford, Hadden, King, Lojek, McGuire, Nickerson, Papinchak, Rinnert, Sanderson, Selander, Thomas, Warner.

Majors offered

English, General
English, General, American Literature Emphasis
English, General, British Literature Emphasis
English, General, Linguistics Emphasis
English, General, World Literature Emphasis
English, General, Writing Emphasis
English, Liberal Arts
English, Secondary Education

Degree requirements

ENGLISH MAJOR

Bachelor of Arts
1. Completion of general university requirements for Bachelor of Arts.
2. Completion of Departmental Option

a. Liberal Arts Option

1) Departmental Core

a) Specific Courses

Surry of British Literature E 240 and E 260 ........ 6
Shakespeare E 345, 346 ........ 6
Introduction to Language Studies LI 305 ........ 6
History of Literary Criticism E 393 ........ 3
Senior Seminar E 498 ........ 2

b) Area Requirements

American Literature E 271, 272, 378, 384 ........ 3
Pre-1800 Brit Lit E 340, 341, 347, 348, 350, 351, 355, 357, 359 ........ 6

2) Competence in a Foreign Language equivalent to two years of University Instruction.

3) History of the English Language LI 309 ........ 3
4) Upper Division English Electives ........ 15

b. Options in Secondary Education

1) Completion of Departmental Core (see specific courses and area requirements under Liberal Arts Option above) plus one of the options described immediately below.

2) Option 7 (Junior High)

Writing E 201, 401 (instead of E 393) ........ 3
Language LI 309 and 307 or 405 ........ 6
Methods 301 and 381 or TE 358 ........ 6
Speech

Literature for use in Junior and Senior High School

E 481 ........ 6
Upper Division English Electives

Western World Literature E 230 ........ 6
Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

3) Option 10-12 (Senior High)
Language LT 307 and 309 or 405 ........................................... 6
Methods E 301 and 381 or TE 358 ................................. 6
Speech ................................................................. 6
Advanced Writing E 201, 305, 306, 401 ......................... 3
Upper Division English Electives .................................... 9
Western World Literature E 230 ................................. 3

Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

4) Option 7-12 (composite)
Language LT 309 and 307 or 405
Methods E 301 and 381 or TE 358
Speech Literature for use in Junior and Senior High School, E 481 ................................. 3
Advanced Writing E 201, 305, 306, 401 ........................ 3
Upper Division English Electives ................................. 6
Western World Literature ............................................. 3

Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

5) General Option without specific area of emphasis
a) Specific courses:
Survey of Amer. Lit, E 271, 272 ....................................... 6
Shakespeare, E 345 or E 346 ........................................ 3
Amer Renaissance, E 377 ........................................... 3
Amer Realism, E 378 .................................................. 3
Lit of Amer West E 396 ............................................ 3
Folklore, E 390 .......................................................... 3
Senior Seminar, E 498 .............................................. 2
b) Area Requirements:
Modern Brit & Amer Lit E 385, 389, 487 ........................... 3
Lower division Lit courses E 211, 213, 217, 219, 240 or 260 .......... 3
Upper division electives in Literature or Linguistics ............. 15
American Political Theory PO 331 .................................. 3
Cultural Anthropology AN 102 (Area II) ................. 3
U.S. History, HY 151, 151, 354, 355, 356, 358, or 359 ............................ 3

7) General Option, British Literature Emphasis
a) Specific courses:
Survey of British Literature E 240, 260............................. 6
Shakespeare, E 345 or 346 ........................................ 3
Senior Seminar, E 498 .............................................. 2
b) Area Requirements:
Pre-1800 British Lit courses numbered E 340-369 ............. 12
Post-1800 British Lit courses numbered E 360-369 ............... 6
Electives in British or American Lit (15 UD) .......... 24
British History, HY 311, 312, 338 or 432 ...................... 3

8) General Option, Linguistics Emphasis
a) Specific courses:
Intro to Linguistics, LT 305 ....................................... 3
Applied English Linguistics, LT 307 ............................ 3
History of English Language LT 309 ............................. 3
Modern English Structure LT 405 ............................. 3
Applied Linguistics in Teaching ESL .......................... 3
ESL Internship E 493 .............................................. 3
Senior Seminar E 498 ............................................. 2
b) Area Requirements:
Old or Middle Engl Lang or Lit (i.e., E 340) or foreign Lit read in original language .......... 3
Electives in literature lower or upper division ......... 15

9) General Option, World Literature Emphasis
a) Specific courses:
Survey of World Literature E 240, 260 ............................ 6
Pre-1800 World Literature E 340, 346 ............................ 6
Post-1800 World Literature E 360-369 ......................... 6
Electives in World Literature or Linguistics ............... 24

10) General Option, Writing Emphasis
a) Specific courses:
Technical Writing, E 202 ....................................... 3
Technical Writing, E 401 ....................................... 3
Writing Internship, E 493 ..................................... 3
Senior Seminar, E 498 ........................................... 2
b) Area Requirements:
Creative Writing, E 205, 260, 305, or 306 ................. 6
Linguistics LI 305, 307, 309 or 405 .......................... 6
Lower Div. Lit. electives, not to exceed 15 credits total for completed option .......... 3
British Lit courses numbered from E 340-359 ........... 15
UD Electives in Lit or Linguistics ................................. 9
Electives CM 471, 473, 474, HY 210, P 341 or PY 247 ...................... 9

Minor Endorsement in English
Advanced Composition ............................................. 3
Linguistics ........................................................... 3
E 301, 381 ............................................................ 3
Survey of American Literature E 271, 272 ....................... 3
Lower Division Literature .......................................... 6*
Upper Division Literature ........................................... 6
Successful completion of Secondary Option Writing Proficiency exam

To be selected from World Literature, E 230, 235; British Literature, E 240, 260; Far Eastern Literature, E 215.

Theatre Arts Minor for English
Tech Theatre (basic set drawing and construction) TA 117 ..................... 4
Tech Theatre (basic set design, painting, lighting) TA 118 ..................... 4
Acting TA 215 ..................................................... 3
Major Production Participation TA 331 ......................... 3
One of the following:
Stage Voice TA 233 ............................................. 3
World Drama, 500 B.C. to 1660 TA 341 ......................... 3
World Drama, 1660 to 1960 TA 342 ......................... 3
Contemporary Theatre TA 445 .................................. 3
Directing TA 401 .................................................. 3
tent of Theatre Arts Minor for English Major .......... 20

COURSES APPLYING TO BOTH DISCIPLINES
One of the following:
Shakespeare: Tragedies and Histories E 345 ..................... 3
Shakespeare: Comedies and Romanaces E 346 ............... 3
Total hours in Theatre Arts Minor for English Major .... 23

Combined Major, Communication and English
The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an opportunity to combine courses in complementary subject areas. Students may select an emphasis in Journalism or in Communication under the combined major.
College of Arts and Sciences

Refer to the Department of Communication listing for the list of requirements.

Course offerings

**E ENGLISH**

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshmen will be 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). 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 TWE score is below 20th centile. 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 reading. Composition study of ideas through the short story and the novel. Honors 111 concentrates on lyric, poetry, essays, and short fiction. Normal prerequisite: ACT of 80th centile or above for E 111. Successful completion of competency test required. PREREQ: E 111 or PERM/CHMN or E 112.

**E 120 ENGLISH AS A SECOND LANGUAGE (5-0-3) (F/S).** Basic skills in American English pronunciation, sequence structure, composition and reading 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 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. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

**E 131 INTRODUCTION TO LITERATURE (3-0-3) (F).** 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 renditions 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).** Practice in writing the main kinds of reports used in the science, social sciences, health sciences and other fields. Students will improve the literacy characteristics of the content and their writing. Will not fulfill Area I requirements. PREREQ: E 102 or PERM/CHMN.

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

**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 211 THE BIBLE AS LITERATURE (3-0-3) (S).** Examines selected historical, biographical, poetic, dramatic, teaching, and prophetic elements of the Bible. Emphasis in literary aspects with discussions of notable concepts in major writings. PREREQ: E 102.

**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) (S) (Area I).** Survey of literature of Far Eastern Countries with major emphasis on China, India, and Japan. An introduction to cultural and religious environment of each country covered. PREREQ: E 102.

**E 217 MYTHOLOGY (3-0-3) (F).** Mythologies and mythological concepts having most influence on Western civilization. Emphasis on Greek, Norse and Judeo-Christian mythologies and their relation to religion, literature, art and modern psychology. PREREQ: E 102.

**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 folktales and written literature. The content, form and style of oral and written narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. PREREQ: E 102.

**E 230 WESTERN WORLD LITERATURE (3-0-3) (F) (Area I).** Introduction to writings of 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) (S) (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 1700 (3-0-3) (F) (Area I).** Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.

**E 240 SURVEY OF BRITISH LITERATURE TO 1700 TO PRESENT (3-0-3) (S) (Area I).** The reflection of social and cultural changes in the poetry and prose of Victorian, Edwardian and Modern England. 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 America 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).** 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 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 SL 305, Introduction to Language Studies, or inservice teaching.

**E 305 CREATIVE WRITING - ADVANCED POETRY (3-0-3) (F).** PREREQ: E 20 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours. E 305 is advanced fiction (3-0-3) (F). Exploration of Narrative technique dialogue form, and the short story. Recommended in 206.

**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, Schopenhauer, Dostoevsky and Tolstoy are included. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1986/1987.

**E 338 TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3) (S).** Twentieth century philosophical trends and cultural themes are emphasized in the reading. Includes works by Mann, Mauriac, Kafka, Hesse, Grass and Solzhenitsyn, which examine mythological, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1986/1987.

**E 340 CHAUER (3-0-3) (F).** Emphasis on The Canterbury Tales and Troilus and Criseyde. Also representative minor works. PREREQ: Three credits, lower division literature or PERM/CHMN. Alternate years. Offered 1986/1987.

**E 341 MEDIEVAL EPICS AND ROMANCES (3-0-3) (F).** Representative English and continental epics and romances, including Beowulf, Sir Gawain, and the Green Knight, Chretien de Troyes, Arthurian Romances, The Song of Roland, the Nibelungenlied, The Cid. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1985/86.

**E 345 SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3) (F).** A selection of the tragedies including Romeo & Juliet, Henry VI, Henry V and King Lear, and the best plays concerning English history. PREREQ: Three credits of literature or PERM/CHMN.

**E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3) (S).** Representative plays such as The Taming of the Shrew, A Midsummer Night's Dream, As You Like

E 349 ELIZABETHAN AND JACOBEAN DRAMA (3-0-3)(F/S). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tournier, Chapman, Middleton, Marston, Webster, and Ford. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1986/1987.

E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S). The works of English authors such as Francis Bacon, Ben Johnson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1986/1987.


E 354 BRITISH NOVEL: BEGINNINGS THROUGH AUSTEN (3-0-3)(F). An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Sterne, Austen and others. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumptions about the world around us. PREREQ: Three credits of literature or PERM/CHMN.

E 355 BRITISH ROMANTIC POETRY AND PROSE (3-0-3)(F). Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide freshly imagined patterns of emotional and intellectual response to nature and our place in it. PREREQ: Three credits of literature or PERM/CHMN.

E 356 VICTORIAN POETRY (3-0-3)(S). Readings in Tennyson, Browning, Arnold, and others. Their poems are sometimes sane, sometimes shocking results of trying to find and keep artistic and moral hope amidst vitally unhealthy times. PREREQ: Three credits of literature or PERM/CHMN.

E 357 VICTORIAN PROSE (3-0-3)(S). Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Walter, have insights into questions of particular attention to the impact of Victorian thought on the genre and to the emergence of the modern novel. Includes Scott, Dickens, Thackeray, the Brontes, Eliot, Meredith, and Hardy. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1982/83.

E 358 BRITISH NOVEL: SCOTT THROUGH HARDY (3-0-3)(S). An investigation of the development of the English novel during the nineteenth century with particular attention to the impact of Victorian thought on the genre and to the emergence of the modern novel. Includes Scott, Dickens, Thackeray, the Brontes, Eliot, Meredith, and Hardy. PREREQ: Three credits of literature or PERM/CHMN.

E 359 AMERICAN RENAISSANCE (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 influences 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 360 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 362 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.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/S). Designed to acquaint both nonmajors and majors with typical themes, subject matter, and styles in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Eliot, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. PREREQ: Three credits in literature or PERM/CHMN.

E 386 MODERN BRITISH AND AMERICAN DRAMA (3-0-3)(F/S). An analysis of the literary and dramatic confrontation between 20th century audiences and actors arranged by dramatists as far apart in their times, themes, and techniques as Shaw and Stoppard, O'Neill, and Osborne. PREREQ: Three credits literature or PERM/CHMN.

E 390 FOLKLORE (3-0-3)(F/S). 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/S). 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 481 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F/S). A literature 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 sentimental, reasonable to fanciful. Emphasis: Dryden, Pope, Swift, and Johnson, plus works by Addison and Steele, Thomson, Boswell, Gray, Gibbon, Burke, and others. PREREQ: Three credits literature or PERM/CHMN.

E 386 METHODS AND THEORIES OF LITERARY CRITICISM (3-0-3)(S). A detailed study and application of major critical methods and theories. PREREQ: E 393 or PERM/CHMN.

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

HU HUMANITIES

HU 207, 208 INTRODUCTION TO HUMANITIES (3-0-3)(F/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)(F). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semiotics, psychology, and communication theory, with emphasis on sound, word, sentence formation in English. PREREQ: E 102 or PERM/CHMN.

LI 308 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 tests 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 309 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 405 MODERN ENGLISH STRUCTURE (3-0-3)(F/S). An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure including transformation, structural, and newly developing theories of grammar. PREREQ: LI 305 or PERM/CHMN. Alternate years. Offered 1985/86.

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 and deal with the process of learning English. It will focus on identifying, defining, and remediating the specific problems that confront learners of a second language. PREREQ: LI 305 Alternate years. Offered 1985/86.
Department of Geology/Geophysics

Science Building, Room 104  Telephone (208) 385-1631
Chairman, Professor: Claude Spinosi; Professors: Hollenbaugh, Donaldson, Waag, Wilson; Associate Professors: Bentley, Pelton, Wood; Assistant Professor: White.

Majors offered
Earth Science Education
Geology
Geophysics

Special Information for Students
The Department of Geology and Geophysics provides four degree programs: 1) Bachelor of Science in Geology, 2) Bachelor of Science in Geophysics, 3) Bachelor of Science in Earth Science Education, and 4) Master of Science in Education, Earth Science emphasis. Nondegree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Sciences Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Sociology, Anthropology and Criminal Justice Administration.

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 school 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, Math, 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.

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

It is strongly recommended that high school students who plan to enter the Geology, Geophysics, or Earth Science program include Chemistry, Physics, and as much Mathematics as possible in their high school program.

Degree requirements
GEOLoGY MAJOR
Bachelor of Science Degree

1. Geology Major
2. General University and BS Degree Requirements
3. Major Requirements:
   Geology and Geophysics ........................................ 53
   Physical Geology GO 101 ........................................ 4
   Historical Geology GO 103 ....................................... 4
   Mineralogy GO 221 ................................................ 3
   Field Geology GO 280 ............................................. 3
   Igneous & Metamorphic Petrology GO 323 .................. 3
   Igneous & Metamorphic Petrography GO 324 .............. 1
   Sedimentology GO 311 .......................................... 3
   Stratigraphy GO 312 .............................................. 3
   Geomorphology GO 313 .......................................... 3
   Structural Geology GO 314 ..................................... 3
   Invertebrate Paleontology GO 351 .......................... 3
   Advanced Field Geology GO 480 or Summer Field Camp 4-6
      Senior Seminar GO 498 or 499 .............................. 1
   Geology Electives ................................................ 10

College Chemistry C 131, 132, 133, 134 ....................... 9
General Physics PH 101-102 or Physics I and II or III with labs PH 220-224 7-11
Mathematics through M 205* or 212 ......................... 10-15
Cartography GG 220 or Surveying EN 215 .................... 3-2
Recommended Electives ............................................. 15
Area I, Foreign Language (201 or higher) .................. 9
Area II, Economics, Geography .......................... 9
Area III, Physical Chemistry, Mathematics, Biology 4

*M 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.

1. General College and Baccalaureate Degree Requirements
2. Major Requirements
   Geology ............................................................. 30
   Physical Geology ................................................ 4
   Historical Geology .............................................. 4
   Introduction to Ocean Geology .............................. 3
   Meteorology ..................................................... 3
   Geology Seminar .............................................. 1
   Geomorphology ................................................ 3
   Geology electives to total 30 credits .................... 9
   College Chemistry ............................................. 9
   General Physics or General Biology ...................... 8
   Mathematics through M-204 ................................ 10
   Astronomy .......................................................... 4
   Recommended Electives ........................................ 6-8
   Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy

3. Education Requirements ..................................... 25-30
The following are required for Secondary Teaching Certification in Idaho:
   Foundations of Education .................................. 3
   Educational Psychology ....................................... 3
   Secondary School Methods .................................. 3
   Secondary Student Teaching ................................. 9-14
   Educating the Exceptional Secondary Student TE 333 ....... 3
   Reading in Content Subject TE 307 ......................... 3
   Secondary School Science Methods TE 384 ............... 3

GEOPHYSICS MAJOR
Bachelor of Science Requirements

General University and BS Degree Requirements

Major Requirements:

a. Geophysics ..................................................... 16
   Introduction to Applied Geophysics GP 301 ............. 3
   Physics of the Earth GP 325 ................................ 3
   Applied Geophysics I & II GP 451,452 .................... 10

b. Geology .......................................................... 27
   Physical Geology GO 101 ..................................... 4
   Historical Geology GO 103 .................................... 4
   Mineralogy GO 221 ............................................. 3
   Igneous & Metamorphic Petrology GO 323 ............ 3
   Ig. & Met. Petrography GO 324 ............................ 1
   Stratigraphy GO 312 ........................................... 3
   Structural Geology GO 314 ................................ 3
   Advanced Field Geology GO 480 or Summer Field Camp 4-6

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

d. Physics ............................................................ 14
   Physics I, II and III with Labs 223, 224 .................. 11
   Electricity and Magnetism PH 381 ......................... 3
   (Numerical Analysis M 340 may be taken in place of PH 381)
e. Mathematics ........................................ 19
Calculus & Analytic Geometry M 204, 205, 206 ....... 13
Vector Analysis M 320 and Differential Equations M 331 .... 10
Digital Computer Programming M 124 or EN 104 .... 2
f. Unrestricted Electives ................................ 16
Recommended: 
Physics PH 301, 382 ................................ 4
Engineering EN 221, 223 ................................ 4
Geology GO 403, 412, 421, 431 ..................... 5
Recommended programs

GEOLOGY MAJOR

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FRESHMAN YEAR
College Chemistry (C 131, 132, 133, 134) ............. 4
English Composition (E 101, and 102) ................. 3
Physical Geology (GO 101) .............................. 4
Historical Geology (GO 103) ............................ 4
Algebra and Trigonometry (M 111) ....................... 5
Calculus and Analytic Geometry (M 204) .......... 16

SOPHOMORE YEAR
Cartography (GG 220)* .................................... 3
Mineralogy (GO 221) ..................................... 3
Igneous & Met. Petrology (GO 323) ..................... 3
Igneous & Met. Petrography (GO 324) ................. 3
Field Geology (GO 200) .................................. 3
Physics (PH 101-102)* ................................. 4
Calculus & Analytic Geometry (M 205)* .............. 4
Area I & II Electives .................................... 6

JUNIOR YEAR
Structural Geology (GO 314) ............................. 3
Sedimentology (GO 311) .................................. 3
Stratigraphy (GO 312) .................................. 3
Geomorphology (GO 313) ................................ 3
Electives (Area I & II) .................................. 6
Upper Division Geology & Geophysics Electives ....... 3

SENIOR YEAR
Advanced Field Geology (G) 480* ...................... 4
Senior Seminar (GO 498 or 499) ....................... 4
Upper Division Geology & Geophysics Electives ....... 4
Area I and II Electives ................................ 6
Free Electives (at least 3 credits of upper division) .. 3
Invertebrate Paleontology (GO 351) .................... 3

*See alternate courses under requirements.

EARTH SCIENCE EDUCATION MAJOR

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FRESHMAN YEAR
English Composition ...................................... 3
Physical Geology ......................................... 5
Historical Geology ....................................... 5
Mathematics .................................................. 16
College Chemistry ......................................... 17

SOPHOMORE YEAR
Foundations of Education ............................... 3
Geography .................................................... 3
General Physics or General Biology .................... 4
Intro to Ocean Geology .................................. 4
Meteorology ................................................ 3
General Psychology ....................................... 3

Degree Requirements .................................... 6
Astronomy .................................................... 4

JUNIOR YEAR
Upper Division Geology .................................. 4
Degree Requirements ..................................... 3
Upper Division Electives ................................ 7
Geomorphology ............................................. 3

SENIOR YEAR
Educational Psychology .................................. 3
Upper Division Geology .................................. 6
Student Teaching ......................................... 1
Secondary School Methods ................................ 3
Teacher Certification ..................................... 14-19
Education Requirements ................................ 16
Education Requirements .................................. 2

GEOPHYSICS MAJOR

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FRESHMAN YEAR
Physics I PH 220 ......................................... 3
Physical Geology GO 101 .................................. 4
Calculus & Analy. Geometry M 204, 205 ................ 5
College Chemistry C 131, 132, 133, 134 .............. 4
English Composition E 102 ............................... 4

SOPHOMORE YEAR
Calculus & Analy. Geometry M 206 ...................... 4
Mathematics M 320, M 331 ................................ 5
Physics II & III PH 221, 222 ............................ 5
Physics Lab PH 223, 224 ................................ 5
Mineralogy GO 221 ........................................ 5
Igneous & Met. Petrology GO 323 ....................... 5
Igneous & Met. Petrography GO 324 .................... 5

JUNIOR YEAR
Upper Division Geology GO 314 ......................... 3
Igneous & Met. Petrology GO 323 ....................... 3
Intro Applied Geophysics GP 301 ...................... 3
Unrestricted Electives ....................................

SENIOR YEAR
Applied Geophysics I & II GP 451, 452 ................ 5
Field Geology GO 480 ..................................... 5
Electricity & Magnetism PH 381 ....................... 5
Unrestricted Electives .................................... 4

GO GEOLOGY

Course offerings

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

GO 101 PHYSICAL GEOLOGY (3-2-4)(Area III) (Field trip required). A study of the origin and development of the earth, its materials and processes. Topics include weathering, erosion, volcanism, earthquakes, landscapes and plate tectonics. Rocks, minerals and topographic and geologic maps are studied in the laboratory.
GO 103 HISTORICAL GEOLOGY (3-3-4)(Area III) (Field trip required). A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. PREREQ: GO 101.

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


GO 201 INTRODUCTION TO OCEANOGRAPHY (3-0-3)(F/S). A general study of the oceanography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. PREREQ: GO 103.

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

GO 221 MINERALOGY (2-3-3)(F). A study of 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 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 259 PRINCIPLES OF PALEONTOLOGY (2-3-3)(F/S). Overview of paleontology for nongeology majors. Evolution, taxonomy and description of important fossil groups stressed. Laboratories to study small collections and simple museum methods. Term paper or project.

GO 280 FIELD GEOLOGY (1-6-3)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair photos, Brunton compass, and plane-table alidade for mapping. A detailed geologic map and written geologic report will be made, interpreted, and one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, 103, E 102. COREQ: M 111.

Upper Division

GO 311 SEDIMENTOLOGY (2-3-3)(F). A study of the classification of sedimentary rocks and processes involved in their genesis. Major headings are weathering, erosion, transporation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Field methods and techniques are stressed; laboratory work consists of compositional and textual analysis. PREREQ: GO 221.

GO 312 STRATIGRAPHY (3-0-3)(S). Field trips required. The study of sedimentary rocks with chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. PREREQ: GO 311.

GO 313 GEOMORPHOLOGY (2-3-3)(F). Field trips required. A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers by which they are formed and changed. Laboratory work consists of map studies and field investigations. PREREQ: GO 221, 103, E 102.

GO 314 STRUCTURAL GEOLOGY (2-3-3)(S). Field trips required. A study of the description and classification of fundamental deformational features in rocks of the earth's crust and the theoretical and mechanical explanations of their origin. Lab problems in 3-dimensional visualization, geometric analysis, and solution of structural problems, utilizing maps and cross-sections. PREREQ: GO 101, M 111, 221.

GO 323 IGNEOUS AND METAMORPHIC PETROLOGY (2-3-3)(S). 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 affinities. PREREQ: GO 221, 232, COREQ: GO 324.

GO 324 IGNEOUS AND METAMORPHIC PETROGRAPHY (0-3-1)(S). 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 environment of their examination of their mineralogy, textures, fabrics, and alteration. PREREQ: GO 232 COREQ: GO 324.

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

GO 403 ENGINEERING GEOLOGY (2-3-3)(F). Field trip required. Introduction to soil and rock mechanics. Slope stability analysis. Surface and subsurface exploration of sites. Geological and geophysical considerations for construction projects. Current applications of geology to engineering projects. PREREQ: GO 280, PH 102 or PH 220, GO 323 or permission of instructor.

GO 412 GROUNDWATER GEOLOGY (3-0-3)(F). A study of the origin of water found beneath the earth's surface and the geologic conditions which permit the movement, work, and accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, and stratigraphic conditions most conducive to the formation of ground water reservoirs. PREREQ: GO 312, 314.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F). A study of the origin of deformation of deformed rocks, their measurement and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonites, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of modern techniques of determination of different geologic provinces throughout North America. PREREQ: GO 314.

GO 421 ORE DEPOSITS (3-0-3)(F). Field trips required. Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. PREREQ: GO 221, 314.

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

GO 431 PETROLEUM GEOLOGY (2-3-3)(S). Field trips required. The nature and origin of petroleum, geological conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. PREREQ: GO 311, 314.

GO 460 VOLCANOLOGY (2-0-2)(F). Field trip required. A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of volcanic vents and vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcano-tectonic relationships will be emphasized. PREREQ: GO 323.

GO 471 REGIONAL FIELD STUDY AND REPORT WRITING (1-0-1)(F). Extensive field study over a one-semester to study the geology of classic localities in the western United States. Course will require assembly of pertinent geologic maps and literature, recording of geologic observations, and preparation of a comprehensive report on the geology of areas visited. PREREQ: Upper division standing or PERM/INST.

GO 480 ADVANCED FIELD GEOLOGY (I-8-4)(S). Field geologic relationships. Large scale mapping will emphasize solution of problems of significance to economic or engineering geology and may include petrographic laboratory work in addition to field work. Map and accompanying geologic report will be of professional quality. Field work on most weekends is required. PREREQ: GO 280, GO 314, GO 323.

GO 493 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 submitted for GO 480 upon approval by a committee of three department faculty members of a written proposal. 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 major or Earth Science Education major.

GG GEOGRAPHY

Lower Division

GG 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(F/S)(Area II). A comprehensive survey of various environments of man in a study of regional and world patterns. Basic concepts and techniques used in geography and the utilization of natural resources are introduced.

GG 102 CULTURAL GEOGRAPHY (3-0-3)(F/S)(Area II). A study of the distribution and character of man's cultural activities throughout the world with analysis on man-livelihood 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, Geography and Geology.

GG 220 CARTOGRAPHY (1-6-3)(F/S). A study of the methods, concepts, techniques and instrumentation of map construction. Includes compilation and graphic presentation of data throughout a coordinate systems, map projections and scale. Lettering tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.
GG 211 GEOGRAPHY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3) [F/S].
Physical and cultural geography of the Pacific Northwest with emphasis on Idaho. Study includes the continuing physical, biological, social, political, and economic changes and the role of the region in relationship to the United States. Current problems and problem solving in accordance with the known resource base.

GG 212 GEOGRAPHY OF CANADA AND LATIN AMERICA (3-0-3) [F/S].
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/S].
The physical and cultural geography of Africa and the Far East with emphasis on the relationships and changes within the region. Topics include the various landscapes, flora and fauna, peoples and problems. PREREQ: GG 101, PERM/INST.

GI 241 ECONOMIC GEOGRAPHY OF THE UNITED STATES (3-0-3) [F/S].
The role of the region in relationship to the United States. Emphasis on the resources, environments, peoples and potential of each region. PREREQ: GG 101, PERM/INST.

GI 311 WORLD ECONOMIC GEOGRAPHY (3-0-3) [F/S].
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 characteristics and their relationship to national or international phenomena. PREREQ: GI 101, PERM/INST.

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

GI 331 CLIMATOLOGY (3-0-3) [F/S].
Atmospheric processes, global heat and moisture balance, radiation budget and world climate zones. Applied climatological concepts, evaporation, soil water conditions, regional and global climatic trends, climate change, and climate modification. PREREQ: GI 301 or GI 101.

GP GEOPHYSICS

Upper Division

GI 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. PREREQ: PH 102, GO 101.

GI 325 PHYSICS OF THE EARTH (3-0-3) [S].
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. PREREQ: PH 102.

GI 451 APPLIED GEOPHYSICS I (4-3-5) [F].
A detailed treatment of the application of geophysical methods used in petroleum and mineral exploration and geotechnical investigations. Theory, data acquisition, data reduction and data interpretation will be emphasized. PREREQ: GI 314, GP 301, M 320, M 331, and PH 222.

GI 452 APPLIED GEOPHYSICS II (4-3-5) [S].
A continuation of GI 451 with emphasis on field procedures, equipment array and geophysical surveying techniques. PREREQ: GP 451.

GS GENERAL SCIENCE

CS 355 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3) [S] (alternate years). 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 History

Library Building, Room 247

Chairman and Professor: Warren L. Vinston
Professors: Barrett, Fletcher, Keiser, Lovin, Ourada, Sims, Associate Professors: Buhrer, Lundy, Odahl, Zirinsky; Assistant Professors: Jones, Shin.

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; 27 hours State Teacher Certification requirements); and History-Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 22 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.

Majors offered

History

History, Secondary Education

History - Social Science, Secondary Education

Degree requirements

HISTORY MAJOR
Bachelor of Arts Program

History-Liberal Arts Option

a. General University Requirements to include:
- One year of college level Foreign Language .
- American National Government

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

- Other History Courses
- History Seminar
- Seminar or Colloquium
- Upper Division History (minimum)
- Additional History Upper or Nonrequired Lower Division

c. Electives

History-Social Science Education Option

a. General University Requirements to include:
- American National Government

b. History Requirements:
- Lower Division Courses
- History of Western Civilization HY 101, 102, or 201, 202
- U.S. History HY 151, 152, or 251, 252
- Introduction to the Study of History HY 210

- Other History Courses
- History Seminar (Upper Division)
- Upper Division History (minimum)
- Seminar or Colloquium
- Additional History Electives (Upper or Nonrequired)
- Lower Division

c. Education Requirements for State Certification for Secondary Education:
- To include TE 385

History-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. Each department provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with inclusion of Anthropology, Geography, and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curricula in the degree program. The student is assigned to the department with the major curriculum.

a. Lower Division Courses
- U.S. History HY 151, 152 or 251, 252
- Western Civilization HY 101, 102 or 201, 202
- Intro to the Study of History HY 210
b. Other History Courses (minimum of 15 Upper Division):

- HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

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

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

Upper Division


- HY 307 MODERN GERMANY (3-0-3)(F/S). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 103 recommended. Alternate years.

- HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the Fifth Republic by Charles deGaulle. HY 103 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 REFORMATIONS (3-0-3)(F). Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national states, the theological and political philosophies of Wycliff, Luther, and the Council of Trent, and the worldwide 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 THE FAR EAST (3-0-3)(F/S). First semester: Survey of the history of China and Japan to ca. 1600, emphasizing their cultural development. Koreas and Viet Nam receive brief consideration. Alternate years. 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 years of the Tsar to 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 B.C. to 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 it earliest beginnings under Etruscan tutelage through its late imperial phase in the 5th century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities, and literary, legal and artistic achievements. PREREQ: HY 101 or PERM/INST.

- HY 323 EARLY CHRISTIANITY (3-0-3)(F/S). A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through the 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 role of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains. Alternate years.

- HY 324 MEDIEVAL EUROPE (3-0-3)(F/S). A survey of the political, religious, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special emphasis given to the Constantinian revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Gregorian papacy, and the outstanding cultural achievements of the twelfth century renaissance. Alternate years.

- HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F). A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations and social and political rami-
fications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Ta'ism, 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). The Mogul Empire; its decline the rise of British Power; its social, political, and economic impact; South Asian reaction to British rule; the rise of nationalism and independence; and Indian and Pakistani history since 1947. Alternate years.

HY 330 HISTORY OF MODERN AFRICA; 1750 Present (3-0-3)(F). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial era, 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). A history of the people, institutions and culture of the Near and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century. Alternate years.

HY 332 THE MODERN MIDDLE EAST (3-0-3)(S). A history of the near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. Recommended. Alternate years.

HY 333 HISTORY OF SPORTS AND THE AMERICAN IDEAL (3-0-3)(F/S). Traces the development of sport in America and its impact on American society. From Indian games to Big League this course has something for every interest. The area of sport is placed within the context of American thought and the social milieu of the nation. Alternate years.

HY 334 UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(F/S). Selected topics 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 DIPLOMATICAL HISTORY OF THE UNITED STATES (3-0-3)(F/S). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended. Alternate years.

HY 336 UNITED STATES CONSTITUTIONAL HISTORY (3-0-3)(F). 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.

HY 338 HISTORY OF IRELAND (3-0-3)(F/S). The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue. Alternate years.

HY 351 COLONIAL AMERICA (3-0-3)(F). Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 353 THE NATIONAL ERA, 1815-1848 (3-0-3)(S). The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the beginnings of sectional rivalry; and the Mexican War. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 354 CIVIL WAR AND RECONSTRUCTION (3-0-3)(F/S). A study of the origins of the conflict between the states, the encounter and the problems of reunification. PREREQ: HY 151 or PERM/INST. Alternate years.

HY 355 WESTERN AMERICA (3-0-3)(F/S). The frontier as a region in transit from the Atlantic seaboard to the Pacific coast, but largely the settlement and development of the Trans-Mississippi West. HY 151 Recommended. Alternate years.

HY 356 THE INDIAN IN THE UNITED STATES HISTORY (3-0-3)(F). Emphasis is on Indian-white relations. The time period studied extends from early contacts, European rivalries, and the origins of the United States Indian policy, to the reservation system, Red Power, and the current Indian problems. Alternate years.

HY 357 IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Political, economic and social development of the northwest with emphasis upon the people, customs and institutions of Idaho. HY 151 recommended. Alternate years.

HY 358 THE GILDED AGE (3-0-3)(S). A study of United States history from 1877 to 1917, with emphasis upon industrial and concomitant social developments, emergence of world power, and national responses to these changes culminating with the Progressive Movement and Woodrow Wilson's "New Freedom." PREREQ: HY 152 or PERM/INST. Alternate years.

HY 359 RECENT UNITED STATES, 1917 to Present (3-0-3)(S). Versailles and post-war disillusionment; boom and bust of the 20's; the Great Depression and FDR's New Deal; reappearance of the world scene; World War II and its aftermath, HY 152 recommended. Alternate years.

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F). A study of the development of distinct Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the interaction of colonial institutions in the context of Spain and Portugal's imperial rise and decline, and the early 19th century wars of independence.
Department of Mathematics
Science Building, Room 202    Telephone (208) 385-1172
Chairman and Professor: Charles R. Kerr; Associate Chairman and
Associate Professor: Masao M. Sugiyama; Professors: Anderson, Ball,
Eastman, Hughes, Juola, Lamet, Maloof, Mech, Sulanke, Takeda, Ward,
Young; Associate Professors: Ferguson, Haurasrh, Kenny; Assistant
Professors: Ayers, Grantham, Griffin, Hunter.

Majors Offered
Mathematics
Mathematics, Secondary Education

Department Statement
The Department of Mathematics provides two Bachelor's Degree
programs and a Master's Degree program. The curriculum leading to
the Bachelor’s Degree in Mathematics is designed for those students
interested in
- Pure Mathematics;
- Statistics;
- Computer Science; or
- Operations Research.

The curriculum in secondary education is designed to prepare the
student to teach mathematics in secondary schools and to meet Idaho
teacher certification requirements. The Master’s Degree program is to
provide advanced education for junior and senior high school
mathematics teachers.

Degree Requirements
MATHEMATICS MAJOR
Bachelor of Science Degree
1. University Requirements for BS or BA Degree
2. Mathematics Requirements: Lower Division
   a. Calculus through M 206 or 212
   b. Digital Computer Programming CS 124 or EN 104
   c. Applied FORTRAN Programming M 225 or Assembler Language
      CS 226
3. Upper Division Mathematics - 27 credits including:
   a. One or more of:
      1) Linear Algebra M 301
      2) Intro to Abstract Algebra M 302
      3) Number Theory M 306
   b. One or more of:
      1) Foundations of Analysis M 314
      2) Numerical Analysis M 340
      3) Complex Variables M 406
   c. One or more of:
      1) Fundamentals of Statistics M 361
      2) Probability & Statistics M 431-432 (both)
   d. One of the following sequences ending at the 400 level:
      1) Abstract Algebra M 441-442
      2) Advanced Calculus M 401-402
      3) Probability & Statistics M 431-432
      4) Applied Mathematics M 421-456
      5) Computer Science CS 354-358-451
   e. And a 400-level course (numbered below CS/M 490) in addition
to those in the sequence selected.

Upper-division courses can be used to satisfy more than one
requirement. M 406 may be used to satisfy both the “one or more of M
314, M 340, or M 406” requirement and the “additional 400-level
course” requirement. The sequence M 431-432 can be applied both to
the probability and statistics requirement and to the upper-division
sequence requirement. All upper-division mathematics courses num-
bered below 490 count toward the requirement of 27 upper-division
mathematics credits. No more than 4 credits of the combined total of
credits earned for courses numbered CS/M 490 through CS/M 499 can
be used toward the 27 credits of upper div Mathematics requirement.

The particular Mathematics courses used to satisfy the degree
requirements may be chosen from specific courses in such areas of
Mathematics as: Analysis, Algebra, Computer Science, Applied
Mathematics, Statistics, and Operations Research. A degree program
emphasizing one or more of these areas can be developed by the
student with the assistance of his academic advisor.

Students interested in computer science can devise a program with
either a business emphasis or a scientific emphasis. In designing such a
program, students should consider available courses in physics,
information science, and business as well as M 122, M 124, M 126, M 226,
M 354, M 358, and M 451. Courses in statistics (M 361 or M 431-432)
and operations research (M 356, M 456, or M 464) are also
recommended.

For students preparing for graduate work in a mathematical field,
both M 401-402 and M 441-442 are recommended. Additional courses
should be selected with the aid of the student’s advisor. A reading
knowledge of at least one of French, Russian or German is highly
desirable.

Students interested in Engineering can form a program leading to a
Bachelor’s Degree in Mathematics. This program could include many
of the Upper-Division Physics or Engineering courses offered at BSU
and satisfy most of the Mathematics requirements with application-
oriented Mathematics courses.

MATHEMATICS, SECONDARY EDUCATION MAJOR
Bachelor of Science Degree
1. University Requirements for BS or BA Degree
2. Mathematics Requirements:
   a. Computers: CS 122 or 124 - 2 credits
   b. Calculus through M 206 or M 212 - 10-13
   c. Linear Algebra: M 301 - 4
   d. At least one of
      Intro. to Abstract Algebra M 302 - 3
      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 an approved area of
      emphasis outside of Mathematics.

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

3. Education Requirements - 25-30 credits. See “Certification Re-
quirements and Endorsements for Secondary Education”, in the
section for the Department of Teacher Education.

Recommended Programs
MATHEMATICS MAJOR
FRESHMAN YEAR
   Calculus M 204-205 or M 211-212
   English Composition E 101-102 or E 111-112
   Computers CS 122, EN 104, or CS 126
   Area I and Area II core requirements

JUNIOR YEAR
   Introduction to Abstract Algebra M 302
   Differential Equations M 331
   Statistics M 431-432
   Area I and Area II core requirements

SECOND YEAR
   Advanced Calculus M 401-402
   Senior Seminar M 498
   Area I and Area II core requirement

FRESHMAN YEAR
   English Composition E 101-102
   Calculus M 204-205
   BASIC or FORTRAN CS 122 or EN 104
   Intro. to Computer Science CS 126
   Area I and Area II core requirement.
SOPHOMORE YEAR
Calculus M 206
Assembler Programming CS 226
Linear Algebra M 301
Area I and Area II core requirement.
Suggested electives:
Applied Programming PH 225
COBOL I IS 360
Differential Equations M 331
Economics EC 201-202
Physics I - Mechanics PH 220
Physics II - Wave Motion and Heat PH 221-223
Suggested electives:
Foundations of Analysis M 314
Physics III - Electricity and Magnetism PH 222-224
Technical Writing E 202

JUNIOR YEAR
Data Structures CS 358
Programming Languages CS 354
Discrete Structures M 356
Numerical Analysis M 340
Area I and Area II core requirement.
Suggested electives:
Area I and Area II core requirement.
Suggested electives:
Foundations of Analysis M 314
Physics III - Electricity and Magnetism PH 222-224

MATHMATICS, SECONDARY EDUCATION

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

1st 2nd
SEM SEM
FRESHMAN YEAR

English Composition E 101-102 ............... 3 3
Calculus M 204, 205 or 211, 212 ............... 5 4-5
Programming CS 122 or 124 .................. 2 6 9-8
Electives ................................. 9-13 9

SOPHOMORE YEAR

Calculus M 206 ................................ 0-4 -
General Psychology P 101 ..................... 3 -
Foundations of Education TE 201 ............. 3 -
Linear Algebra M 301 .......................... 4 -
Electives .................................. 9-13 9

JUNIOR YEAR

Foundations of Analysis M 314 .................. 3 -
Algebra M 302 or Number Theory M 306 ........ 3 -
Statistics M 361 or 431, 432 .................. 3-0 4-3
Educational Psychology P 325 .................. 3 -
Electives .................................. 7-8 5-8
Secondary School Methods TE 301 ............. 3 -
Teaching Reading in Content Subjects TE 307 .... 3 -

SENIOR YEAR

Mathematics in Secondary School M 490 ........ 3 -
Secondary Student Teaching ................... 9 -
Electives .................................. 11 -
Mathematical Modeling M 464 .................. 3 -
Educating Exceptional Sec. Stu. TE 333 ........ 3 1

CS COMPUTER SCIENCE

Course offerings

LOWER DIVISION

CS 109 INTRODUCTION TO COMPUTERS (3-1-4). 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. PREREQ: Satisfactory score on placement exam.

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

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

CS 126 INTRODUCTION TO COMPUTER SCIENCE (4-0-4)(5). This course is for students planning to become computer professionals. Topics covered include machine architecture, introduction to machine and assembly language, number systems, data representation, algorithms, symbolic logic, structured programming, applications, and social impact of computers. PREREQ: (M 106 or M 111) and (CS 122 or EN 104) or PERM/INST.

CS 226 ASSEMBLER LANGUAGE (4-0-4). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, nonreturn, program sectioning and linking, macros. PREREQ: CS 126 or PERM/INST.

UPPER DIVISION

CS 354 PROGRAMMING LANGUAGES (4-0-4). A survey of current languages (such as FORTRAN, COBOL, PL/I, SNOBOL, LISP, APL), their programming and design, syntax and semantics, information binding, strings, arithmetic, input/output, recursion, multiprocessing, extensibility. PREREQ: CS 226 or PERM/INST.

CS 358 DATA STRUCTURES (4-0-4). The representation of data, files, stacks, queues, storage mapping, tree structures, hierarchical data structures, recursion, searching and sorting, codes, data structures in programming languages. PREREQ: CS 226 or PERM/INST.

CS 451 SYSTEMS PROGRAMMING (4-0-4). Machine language programming, compiled languages, program optimization, computer logic and design. PREREQ: CS 226.

M MATHEMATICS

LOWER DIVISION

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

M 020 ALGEBRA REVIEW (3-0-0). A refresher course for students in education, engineering, science, or business. Algebra is covered from fundamental operations through the level required for M 103, 105, 106, 108 or 122. PREREQ: Satisfactory score on arithmetic placement exam.

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

M 103-104 ELEMENTARY MATHEMATICS FOR TEACHERS (3-2-4). Fundamental concepts of mathematics including the study of the development of the number systems from the whole numbers through the reals, place value, arithmetic operations, real number postulates, algorithms, algebraic and geometric principles, measurement, graphing and introductory probability. PREREQ: High school algebra and geometry and satisfactory score on the algebra placement exam.

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 algebra placement exam.


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

M 111 ALGEBRA AND TRIGONOMETRY (5-0-5)(Area III). Selected topics in college algebra and trigonometry. The course will prepare the student for calculus. PREREQ: Satisfactory score on placement exam.

M 120 APPLIED STATISTICS WITH THE COMPUTER (4-0-4)(5). Pre-calculus treatment of probability and statistics. Emphasis on concepts and applications rather than proofs. Use of available computer statistics packages to handle computations. PREREQ: M 106 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: Satis-
factory score on placement exam.


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)(F) (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.

Upper Division

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

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

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

M 311 FOUNDATIONS OF GEOMETRY (3-0-3). 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. M 205 or 212. Odd numbered years.

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

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

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

M 340 NUMERICAL ANALYSIS (4-0-4). The application of numerical methods to interpretation and analysis of data, general iterative methods, approximation of functions, error analysis; solution of equations with implementation of computer programming. PREREQ: M 206 and CS 122 or EN 104.

M 356 DISCRETE MATHEMATICAL STRUCTURES (3-0-3). 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 CS 125 or EN 105.

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

M 401-402 ADVANCED CALCULUS (3-0-3). 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 406G THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3-0-3). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, and conformal mapping. PREREQ: M 206 or 212.

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

M 421 FOURIER SERIES AND BOUNDARY VALUE PROBLEMS (3-0-3). The wave equation, the heat equation, and Laplace's equation. Orthogonal sets of functions and Fourier series solutions. Boundary value problems. PREREQ: M 331.


M 441-442 ABSTRACT ALGEBRA (3-0-3). 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). 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). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will be 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). Objectives, content, and methods of secondary school mathematics programs. PREREQ: Six hours of Mathematics completed at, or above the 300 level.

Department of Military Science (Army ROTC)

Pavilion, Room 2025 Telephone (208) 385-3500

Cadre: Chairman and Professor: Major (F) Earl Steck; Assistant Professors: Anderson, Hillan, Koehler; Instructors: Harlow, Oiterong.

Department Statement

The Reserve Officers' Training Corps (ROTC) was established at Boise State University in 1977 under provisions recommended to the State Board of Education and in accordance with national requirements. Under the regulations of the university, participation by students in the program is voluntary.

American military history; management; leadership; map and compass navigation and orienteering, reading; U.S. Army and national security; military teaching principles; branches of the Army; tactics; communications; operations; logistics; administration; military law; and the role of the United States military in world affairs.

Basic Course: The basic course consists of the first two years of Military Science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, by obtaining 90 military contract hours, or by summer campus courses. Veterans and some Reserve Component/National Guard personnel are given military 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 accomplished through concurrence of the president of the university and the chairman of the Department of Military Science.

Requirements for Army Commissions

Applicants for admission to the advanced course must (1) have satisfied the requirements of the basic course, successfully completed the six-week summer basic camp or have completed 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 selected by the president of Boise State University or any other institution to which they may thereafter be admitted; (5) execute an individual contract with the government in which they agree to complete the advanced course at Boise State University or any other institution at which they may thereafter be enrolled where such a course is given; (6) devote a minimum of five hours a week to the
military training prescribed by the Secretary of Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (this enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student); (9) agree to accept a commission if tendered; (10) serve on active duty as an officer for three years or three months as determined by the Department of the Army. Guaranteed Reserve Forces assignments are now 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 Army Training and Doctrine Command (TRADOC) has established several standardization requirements for all precommissioning ROTC programs across the United States.

These standardizations include the requirements for a cadet to complete the Military Science courses listed below, as well as one course in each of the following areas:

1. Written Communication. The English Composition requirements of BSU also satisfy the MQS requirement.
2. Human Behavior. Recommended courses to meet this requirement include General Psychology, Sociology or Anthropology (all of these courses can also be used to meet the BSU Area II Social Science requirements).
3. Military History. (HY 297 Section 001, Special Topics “War, Peace and Military in the West”, 3 credits taught Spring Semester only).
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 will be required:
   - PE 121 First Aid
   - FA 197/297/397 Special Topics; Conditioning Procedures
   - FA 297 Special Topics; Orienteering

Scholarships: Financial assistance for selected students is offered through 2, 3, and 4-year scholarship programs paying for tuition and fees, a flat rate for books, and laboratory costs each year plus $100 a month allowance for up to ten months each year. Each student accepted 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, $580 (approximately); regular camp $645 (approximately); travel pay, 18½ cents per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty.

Uniforms: Basic and advanced course students will be provided uniforms, texts, and equipment for ROTC classes. All such items of clothing and equipment are the property of the U.S. Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and return of the property issued to them.

Course offerings

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, the organization of the U.S. Army, Army Reserve and the National Guard, and a discussion of military customs and traditions. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an introduction to Geopolitics, ethics, code of conduct, war strategy and tactics. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares the student for ROTC advanced course. An introduction to leadership and basic map reading/orienteering. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 202 MILITARY HISTORY (2-1-2). Prepares the student for the ROTC advanced course. Enables the student to form general concepts of the evolutionary nature of warfare, identifying those elements of conflict which remain relatively constant and those that are modified by time and circumstance. The student will acquire a general knowledge and appreciation of the development of the American Military System and its leaders. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

Upper Division

MILITARY SCIENCE INTERNSHIP (V-V-6). Provides the student with the opportunity to apply the skills they have learned. Is completed at the 6 weeks of 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 301 LEADERSHIP AND MANAGEMENT (3-1-3). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the Army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in advanced camp. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 302 BASIC TACTICS (3-1-3). Introduces student to the fundamentals of combat operations. Prepares the student for ROTC advanced camp. Develops leadership abilities, promotes confidence, andreadyes students for military service as commissioned officers. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 401 ADVANCED TACTICS (3-1-3). 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 leadership by planning and executing laboratory training.

ML 402 PROFESSIONAL PREPARATION (3-1-3). 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.

College of Arts and Sciences

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, Meyer, Shelton; Associate Professors: Bratt, Hopper, Speake; Assistant Professors: Baldassarre, Belly, Samball, Schroeder, Thomason.

Majors offered

Music

Music, Secondary Education
College of Arts and Sciences

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 music auditorium 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 auditorium. Given as a memorial to her husband by Mrs. Velma Morrison, the Grand Symphony Carillon System chimes the hours and half-hours and twice daily plays a short program 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 deNeufville Alice Gould
Dr. & Mrs. Arthur C. Jones Senator Len Jordan
Bryant S. Martineau Marjorie Palmquist
Mr. & Mrs. Edward Utley Mrs. Eli Weston
William K. Dunkley Family

Scholarship endowments have been given in the names of Margaret Dr. & Mrs. Arthur C. Jones Senator Len Jordan
Mr. & Mrs. Edward Utley Mrs. Eli Weston
William K. Dunkley Family

Music Major Programs: The Music Department offers two Baccalaureate Degree programs which students may choose between, and one Graduate Degree program.

1. The Bachelor of Music Degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.
   a. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artist teachers, and composers, this program is basic to prepare 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 a general Liberal Arts Degree designed for the student who wants a general Music major within a broader based program.

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 spring 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, one of the levels in the Piano Proficiency Examination before a faculty committee. The particular level is determined by the student's major. A grade of C or better in MU 213 will meet Levels I and II requirements for Music Education majors. A grade of C or better in MU 314 will meet Level III requirements for Performance and Theory Composition majors. Details are available from the Music Department.
   c. All Bachelor of Music majors are required to register for one of the three major ensembles (Band, Choir or Orchestra) each semester, totalling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompaniment (ME 180, 380) toward the required six credits. Guitar majors may take two credits of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.
   d. The following core of Music courses will be included in all Bachelor of Music curricula:
      - Concert Class MA 010 (attendance required each semester of full-time residency; Music Education majors exempt during semester-weeks of student teaching (0 credits).
      - Materials of Music MU 119 thru 220 and Ear Training MU 121 thru 222 ................................. 18
      - Basic conducting MU 281 .................................................. 7
      - Survey of Music History and Literature I, II, III, IV - MU 341, 342, 343, 344 .................................. 10
      - Ensemble (see 1c above) ........................................... 6-8
      - Total .......................... 35-37

2. Emphasis Requirements
   a. Performance Emphasis Minimum Requirements:
      b. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) ............................................. 29-32
   c. Music Requirements
      (1) Music Core .......................................................... 35-37
      (2) Performance Studies ............................................. 30
      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.
      d. Additional Upper Division Courses ................................. 16-22
      - Keyboard Harmony & Basic Improv MU 313-314 .................. 4
      - Counterpoint MU 423,424 ........................................... 6
      - Advanced Form & Analysis MU 410 ............................... 3
      - Choral or Instrumental Conducting MU 365,366 ................. 10**
      - Major Instrument Literature MU 457 ............................. **
      - Major Instrument Pedagogy I, II MU 463-464 .................... 4**
      - Senior Recital MA 446 .............................................. 2
      e. Electives .................................................. 7-18
      Total .............................. 128

3. Theory-Composition Emphasis Minimum Requirements
   a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) .................................................. 29-32
   b. Music Requirements:
      (1) Music Core .......................................................... 35-37
      (2) Lower Division Performance Studies ............................. 16
      - Performance Major Studies ......................................... 8
      - Performance Minor Studies (Piano, unless major instrument is Keyboard) ........................................... 8
      (3) Additional Upper Division Courses ................................. 31
      - MC 300 Level Performance Major Studies ......................... 4
      - Keyboard Harmony & Basic Improv MU 313-314 ................. 4
      - Band Arranging MU 455 ............................................. 6
      - Advanced Form & Analysis MU 410 ............................... 3
      - Choral & Instrumental Conducting MU 365,366 .................. 2
      - Music Composition MA 410 ........................................... 8
      - Senior Composition Recital MA 447 or Music Seminar MU 498 ............... 2
      e. Electives .................................................. 12-17
      Total .............................. 128

4. Music Education Emphasis Minimum Requirements
   a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) .................................................. 35-37
   b. Music Requirements:
      (1) Music Core .......................................................... 29-32
      (2) Major Instrument Performance Studies ......................... 14
      - MC 300 Level or above: 4 cr minimum
      (3) Additional Lower Division Courses .............................. 7
      - Orientation to Music Educ MU 271 ................................. 1
      - Instrumental Tech & Meth MU 257,266 ........................... 4
      - Vocal Tech & Meth MU 256 ........................................... 2
      (4) Additional Upper Division Courses .............................. 13
      - Band Arranging MU 455 ............................................. 2
      - Band & Orchestra Meth & Mater MU 387 ......................... 2
      - Choral Methods & Mater MU 385 ................................... 2
      - Choral & Inst Conducting MU 365,366 ............................ 2
      - Instrumental Tech & Meth MU 368,369 ............................ 4
      - One-half Senior Recital MA 444 ................................... 1
      (5) Education College Requirements ................................ 25
      - General Psychol P 101 (Area II) .................................... 3
College of Arts and Sciences

BACHELOR OF ARTS PROGRAM

General Music Major Option

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

b. Minimum Music Requirements:
   - Performance Studies
   - Materials of Music I
   - Music History
   - Ensemble
   - Concert Class
   - Junior Conducting
   - Senior Conducting
   - Electives
   - Keyboard Harmony
   - Performance Major
   - Senior Recital
   - Performance Major
   - Senior Project

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.

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Music/Business Option

a. General University and Basic Core Requirements for the Bachelor of Arts Degree to include the following:

Area I: Literature
Area II: Mathematics
Area III: Foreign Language
Area IV: Social Science
Area V: Natural Science
Area VI: Speech Communication
Area VII: Comprehensive Area
Area VIII: Social Science
Area IX: Physical Education
Area X: Fine Arts
Area XI: English Composition
Area XII: Business
Area XIII: Computer Science
Area XIV: Fine Arts
Area XV: Leadership

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.

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*An independent study terminal project under faculty supervision with the approval of the Department Chairman.

**To enroll in these courses, special arrangements are necessary with the chairman of the Department of Marketing and Administrative Services.

Music Minor: The Music Department will recognize as a minor in Music (in conjunction with a major in a non-Music area) a minimum of 20 hours of Music credits completed. Emphasis is possible in Performance, Music Theory, History/Literature, or Music Education. Details of the individual student's curriculum are to be determined by the student in consultation with an assigned Music minor advisor and subject to the approval of the Music Department Chairman.

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:

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN YEAR</td>
<td></td>
</tr>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
</tr>
<tr>
<td>Area II Courses</td>
<td>3</td>
</tr>
<tr>
<td>Concert Class MA 010</td>
<td>0</td>
</tr>
<tr>
<td>Materials of Music I, II MU 119-120</td>
<td>4</td>
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<tr>
<td>Ear Training I, II MU 121-122</td>
<td>1</td>
</tr>
<tr>
<td>Performance Major MC 1-2, 1-4</td>
<td>1</td>
</tr>
<tr>
<td>Major Ensemble ME 1-4</td>
<td>14</td>
</tr>
</tbody>
</table>

| SOPHOMORE YEAR |         |
| Area I Literature | 3 |
| Area II Course | 3 |
| Concert Class MA 010 | 0 |
| Materials of Music III, IV MU 219-220 | 3 |
| Ear Training III, IV MU 221-222 | 1 |
| Major Ensemble ME 1-4 | 1 |
| Performance Major MC 2-4 | 4 |
| Electives | 4 |
| Senior Recital | 17 |

| JUNIOR YEAR |         |
| Foreign Language | 4 |
| Concert Class MA 010 | 0 |
| Music History I, II MU 341,342 | 2 |
| Keyboard Harmony* MU 313-314 | 3 |
| &/or Elective** | 4 |
| Counterpoint MU 423 or 424 | 3 |
| Performance Major MC 3-4 | 4 |
| Senior Recital MA 446 | 16 |

| SENIOR YEAR |         |
| Music History III, IV MU 343, 344 | 3 |
| Concert Class MA 010 | 0 |
| Counterpoint MU 423 or 424 | 3 |
| Advanced Form and Analysis | 3 |
| Major Ensemble# ME 3-4 | 1 |
| Inst or Choral Conducting+ MU 385 or 366 | 10r |
| Performance Major MC 4-4 | 4 |
| Senior Recital MA 446 | 2 |
| Keyboard Harmony* MU 313-314 & Elective. | 1717 |

*Keyboard Harmony is offered alternate years only. See course description.
**Plano, Voice or Guitar majors must include major instrument literature MU 457 and Pedagogy MU 463-464.
#Plano majors must include 2 credits of Accompanying MU 180, 380. Guitar majors must include 2 credits of Guitar Ensemble MU 182.367
+Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>FRESHMAN YEAR</td>
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</tr>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
</tr>
<tr>
<td>Area II Courses</td>
<td>3</td>
</tr>
<tr>
<td>Concert Class MA 010</td>
<td>0</td>
</tr>
<tr>
<td>Materials of Music I, II MU 119-120</td>
<td>4</td>
</tr>
<tr>
<td>Ear Training I, II MU 121-122</td>
<td>1</td>
</tr>
</tbody>
</table>
College of Arts and Sciences

**SOLO YEAR**
- Area I Literature: 3
- Area II Course and elective: 3
- Electives: 3
- Concert Class MA 010: 0
- Materials of Music III, IV, MU 219-220: 3
- Ear Training III, IV MU 221-222: 1
- Music History I, II MU 341,342: 2
- Major Ensemble ME 1: 1
- Major and Minor Performance Studies MC 2-2: 4

**JUNIOR YEAR**
- Concert Class MA 010: 2
- Music Composition MA 410: 2
- Major Performance Studies MC 3-2: 2
- Major Ensemble ME 3: 1
- Band Arranging MU 455: 2
- Choral Conducting MU 365: 1
- Instrumental Conducting MU 366: 1
- Music History III, IV MU 343,344: 3
- Keyboard Harmony* MU 313-314 & Electives: 3

**SENIOR YEAR**
- Concert Class MA 010: 2
- Music Composition MA 410: 2
- Major Performance Studies MC 3-2: 2
- Major Ensemble ME 3: 1
- Band Arranging MU 455: 2
- Elementary Music Meth MU 372 (elective): 2
- Choral Conducting MU 365: 1
- Exceptional Educ Meth. TE 333: 1
- Student Teaching TE 484, 485 OR TE 482, 483: 1

**MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS**

**Lower Division**
- MA 010 CONCERT CLASS (0-1-0)(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 3 Music Department sponsored concerts/recitals. Participation in the concert/recital does not equal attendance for meeting this requirement.
- MA 107 RECORDERCLASS (1-0-1)(S). The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit.
- MA 127 BEGINNING GUITAR CLASS (0-2-1)(F/S). Technical fundamentals in playing the acoustical guitar for beginners. Use of popular and folk songs. Course is based on written notation and aural 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. PREREQ: MA 127 or PERM/INST.
- MA 150 PIANO CLASS (0-1-1)(F/S). Each semester. Maximum 2 credits allowed. PREREQ: MA 107 or PERM/INST.
- MA 180 VOICE CLASS (0-1-1)(F/S). Each semester. Maximum 2 credits allowed. PREREQ: MA 180 or PERM/INST.
- MA 307 RECORDER CLASS (1-0-1)(S). The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or 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 328 JAZZ GUITAR CLASS (0-2-1)(F/S). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1930's. 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, using small and large musical forms. May be repeated for a total of 8 credits. PREREQ: PERM/INST.
- MA 444 MUSIC EDUCATION—BACHELOR OF ARTS SENIOR RECITAL (0-0-1). 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-V-2). 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. PREREQ: INST/CHMN.

MA 446 SENIOR PERFORMANCE RECITAL (0-V-2). 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-V-2). 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—, -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 stringed instruments: A guitar; Bowed 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 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: (0-1-4) (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. Maximum credits: ME 301 and/or 305, 8 CR.

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. Maximum credits: ME 105 and/or 305 8 CR. 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. Maximum credits: ME 110 and/or ME 310, 8 CR. PREREQ: PERM/INST.

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. Maximum credit: ME 115/315, 8 CR. PREREQ: PERM/INST.

ME 120-320 BAND (0-5-1)(F/S). An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 310, 8 CR.

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. Maximum credits: ME 125, and/or ME 325, 8 CR. PREREQ: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-3-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge 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. Maximum credits, ME 126 and/or 326 8 CR. 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. Maximum credits: ME 130 and/or ME 330, 8 CR.

ME 140-340 PERCUSSION ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of percussion ensembles. A public performance is required each semester. Maximum credits: ME 140 and/or ME 340, 8 CR. PREREQ: PERM/INST.

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. Maximum credits: ME 141 and/or 341, 8 credits.

ME 150, 350 ORCHESTRA (0-5-1)(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. Maximum credits: ME 150 and/or ME 350, 8 CR.

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. Maximum credits: ME 160 and/or ME 360, 8 CR. PREREQ: PERM/INST.

ME 167, 367 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). Maximum credits: ME 167 and/or ME 367, 8 CR. 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. Maximum credits: ME 180 and/or ME 380, 8 CR.

ME 185, 385 DUO-PIANO ENSEMBLE (0-2-1)(F/S). A basic survey of duo-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. Maximum credits: ME 185 and/or ME 385, 8 CR. PREREQ: PERM/INST.

MU MUSIC, GENERAL

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)(S). 4-voice textures (linear & vertical); homophony; diatonic chords and harmonic 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-S). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drill in soffeggio 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 I). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. Emphasis is upon the enjoyment of music through the understanding of recorded and live performances. Attendance at six live concerts/recitals 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 beginning of the Baroque period to contemporary Modern Opera and Music Theatre compositions. Required of voice majors.

MU 213 FUNCTIONAL PIANO (3-0-2)(F). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2-4 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)(F). Continuation of 4-part textures. Diatonic sevenths; introduction to altered chords, augmented sixth and augmented triads; 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; eleven and thirteenth chords; twentieth 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-S). Continuation of ear training I-II: soffeggio, dictation of more advanced rhythms, 2, 3 and 4 parts. Student expects to perform at key signatures with 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 help 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 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 1-2 years of 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 to the presentation of musical theatre productions. Includes an in-depth look at all the problems and techniques of choral conducting. PREREQ: MU 119 and 120 or PERM/INST.

MU 334 HISTORY AND LITERATURE OF MUSIC III (3-0-3)(F)(Area I). A study of the development of Western music from its beginnings in early Christian times through the early 1600's. Consideration of music from these periods as artistic entities, their relationships to their contemporary societies, and as foundations for subsequent expression. PREREQ: MU 119 and 120 or PERM/INST.

MU 342 HISTORY AND LITERATURE OF MUSIC II (2-0-2)(F)(Area I). Encompasses the period from the Florentine Camerata through the high Baroque, the Rococo, and pre-classic composers. Attention to the evolution of musical forms through score reading, analysis, and discussion. PREREQ: MU 119 and 120, or PERM/INST.

MU 343 HISTORY AND LITERATURE OF MUSIC III (3-0-3)(F)(Area I). A historical overview of Western music from the last decades of the previous century to today's avant garde and electronic music. PREREQ: MU 119 and 120, or PERM/INST.

MU 355 CHORAL CONDUCTING (0-2-1)(F). A course designed to deal with the problems and techniques of choral conducting. Students will work in ensembles as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 366 INSTRUMENTAL CONDUCTING (0-2-1)(F). A survey course to acquaint the student with the important literature for brasswind, woodwind and percussion instruments and their techniques in various combinations. PREREQ: MU 220 or equivalent.

MU 370 GUITAR FOR CLASSROOM TEACHERS (2-0-2)(F). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on performance techniques, elementary chord theory, melody playing, proper hand position and noteretading. 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)(F). 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). A 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 repair of instruments.

MU 419 ADVANCED FORM AND ANALYSIS (3-0-3)(S). Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 220 or PERM/INST.

MU 423 SIXTEENTH CENTURY COUNTERPOINT (3-0-3)(F). A study of 16th century to today's avant garde and electronic music. PREREQ: MU 119 and 120 or PERM/INST.

MU 424 SEXTENTH 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 period. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

MU 424 G 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 representative works. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Even numbered years.


MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR)(2-0-2)(F). A survey course to acquaint the student with the major 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

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

MU 488 MUSIC SEMINAR (2-0-2)(F/S). A seminar project under faculty direction. PREREQ: Senior standing.

Department of Physics, Engineering and Construction Management

Science-Nursing Building, Room 318        Telephone (208) 385-3775
Chairman and Professor of Physics: Robert A. Luke; Professors: Allen, Dahm, Luke, Newby, Parks, Reimann, Smith; Associate Professors: Affleck, Gabert Haefer; Assistant Professors: Dykstra, Mason.

Majors offered
Construction Management
Physics
Physics, Secondary Education

Special Information for Students
Engineering curriculum
The engineering curriculum of the Department is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS Degree in Engineering is four years; the Boise State program is designed to do this along with two years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take four and one-half, five or more years to earn the degree. Therefore, a convenient option based on three years at Boise State followed by one and one-half years at the University of Idaho is available and students may consult an Engineering advisor about this program. The five-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other Engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than the University of Idaho to complete their degree.

Degree Requirements

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

PHYSICS MAJOR

Liberal Arts Option
1. General University and BA Degree Requirements ........................................ 30
2. Major Requirements .............................................................................. 98
   a. *Physics ............................................................................. 48
      Physics I, II, III, PH 220, 221, 222 ........................................... 9
      Physics Lab I, II, PH 223, 224 ..................................................... 2

College of Arts and Sciences

Intermediate Applied Programming PH 225 .............................................. 2
Electronics Lab PH 301 ............................................................................ 4
Transducers, PH 304 .............................................................................. 2
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 Optics PH 422 ...................................................................... 3
Senior Lab PH 481 ............................................................................... 33
Seminar PH 499 ..................................................................................... 1

b. Engineering .......................................................................................... 12 or 13
   Computer Programming EN 104 or 107 ................................................. 2 or 3
   Systems & Circuits I, II EN 221, 223 ..................................................... 7
   Thermodynamics EN 320 .................................................................... 3
   Practical applications: .......................................................................... 21
   Calculus Sequence M 204, 205, 206 .................................................... 13
   Differential Equations M 331 ............................................................... 4
   Numerical Analysis M 340 .................................................................... 4

D. Chemistry .................................................................................................. 9
   Recommended Electives ......................................................................... 7
   * With consent of advisor and chairman, substitutions may be made for not more than 6 hours of the above
   from the area of Biology, Chemistry, Math, Engineering or Geophysics.

Secondary Option
1. General University Requirements .......................... 30
2. Major Requirements ......................................................... 78
   a. Physics ......................................................................................... 31
      Physics I-III PH 220, 221, 222 ..................................................... 9
      Physics Lab I, II PH 223, 224 ......................................................... 2
   b. Engineering .................................................................................... 14
      Computer Programming such as EN 104 or M 122 .......................... 2
   c. Math ............................................................................................... 16
      Calculus Sequence M 204, 205, 206 ................................................ 13
      Differential Equations M 331 ........................................................... 3
   d. Chemistry C 131, 132, 133, 134 ....................................................... 9
   e. General Biology B 101-102 ............................................................... 8
   f. Recommended Electives .................................................................... 8
   g. Possible Earth Science Elective ......................................................... 4
   h. Introduction to Mechanics EN 205 ................................................... 3
   i. Engineering Graphics EN 108 .......................................................... 2
   j. Physics PH 220 ............................................................................... 1
   k. Physical Education .......................................................................... 16
   l. Foundations of Education ................................................................ 25-30
   m. Engineering Electives ......................................................................

Recommended programs

ENGREEERING MAJOR

1st SEM 2nd SEM

COMMON FRESHMAN YEAR
(All Engineering Majors)
English Composition E 101-102 ......................................................... 3 3
College Chemistry C 131-132-111 ...................................................... 4 3
Calculus & Analytic Geometry M 204-205 .......................................... 5 4
Engineering Fundamentals & Computer Programming EN 107 ............ 3 -
Engineering Graphics EN 108 ............................................................ - 2
Physics PH 220 .................................................................................... 1 1
Physical Education ............................................................................. 16 16

COMMON SOPHOMORE YEAR
Physics II, III PH 221-222 ................................................................. 3 3
Wave Motion & Heat Lab PH 223 ......................................................... 1 -
Electricity & Magnetism Lab PH 2224 .................................................. 3 3
*Humanistic-Social Elective ................................................................. 3 -
Introduction to Mechanics EN 205 ...................................................... 3 4
**Systems & Circuits I, II EN 221, 223 ................................................... 3 4

69
**CONSTRUCTION MANAGEMENT PROGRAM**

**Bachelor of Science Degree**

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 and other professionals to provide society with construction services of skill, responsibility and integrity.

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<th>Course</th>
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<tr>
<td>Calculus &amp; Analytic Geometry M 206</td>
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<tr>
<td>Differential Equations M 331</td>
<td>-</td>
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<tr>
<td>Branch Variation see below</td>
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*During first semester, Chemical Engineers substitute C 317, Civil Engineers substitute EN 215.
**Civil Engineers not required to take EN 223.

**BRANCH VARIATION**

**Agricultural Engineering**

| Dynamics of Rigid Bodies EN 206               | 2   |
| Civil Engineering                            |     |
| Dynamics of Rigid Bodies EN 206              | 2   |
| Engineering Measurements EN 216              | 2   |
| Elective (see Advisor)                       | 3   |
|                                               | 7   |
| Mechanical Engineering                       |     |
| Dynamics of Rigid Bodies EN 206              | 2   |
| Chemical Engineering                         |     |
| Organic Chemistry C 318                      | 3   |
| Principles of Economics EC 201               | 3   |
|                                               | 6   |
| Electrical Engineering                       |     |
| Engineering Science Elective                 | 3   |

**JUNIOR YEAR**

Three junior level Engineering Science courses (EN 301, Fluid Mechanics; EN 306, Mechanics of Materials; and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in Mathematics, Science, Humanities, and Social Sciences, make it feasible for many students to complete a third year before transferring. Consult an Engineering staff advisor for details.

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<td>Engineering Fund and Comp Prog EN 107</td>
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<td>Intro to Management of Construction CO 240</td>
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**SOPHOMORE**

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<td>Basic Surveying EN 215</td>
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<td>Intro to Financial Accounting AC 205</td>
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<tr>
<td>Construction Blue Print Commun CO 235</td>
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<tr>
<td>Materials &amp; Methods of Architecture AR 290</td>
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<td>The Legal Environment of Business GB 202</td>
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<td>Stat Tech for Decision Making DS 207</td>
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<tr>
<td>Intro to Managerial Accounting AC 206</td>
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<td>Contracts and Specifications CO 246</td>
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<tr>
<td>Intro to Mechanics EN 205</td>
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**JUNIOR**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Construction Equipment &amp; Methods CO 320</td>
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<tr>
<td>Mechanics of Materials EN 306</td>
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<td>Labor Law MG 330</td>
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**SENIOR**

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<tbody>
<tr>
<td>Mechanical Installations CO 351</td>
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<td>Principles of Economics-Macro EC 201</td>
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<td>Principles of Economics-Micro EC 202</td>
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<td>Technical Writing E 202</td>
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<td>Cost Accounting AC 351</td>
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<td>Cost Estimating and Bidding CO 370</td>
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<tr>
<td>Soil Mechanics and Foundation</td>
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<tr>
<td>Const CO 330</td>
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<tr>
<td>Principles of Finance FI 303</td>
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<tr>
<td>Electrical Installations CO 352</td>
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**PHYSICS MAJOR**

**Bachelor of Science Degree**

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<td>EN 104 Or 107</td>
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<td>Physics PH 220</td>
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<tr>
<td>Digital Computer Programming</td>
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**FRESHMAN YEAR**

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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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<td>5</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204, 205</td>
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<td>Digital Computer Programming</td>
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<td>Area I or II Requirements</td>
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**SOPHOMORE YEAR**

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<tr>
<td>Physics II, III PH 221, 222</td>
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<td>Wave Motion &amp; Heat Lab PH 223</td>
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<td>Electricity &amp; Magnetism</td>
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<tr>
<td>Lab PH 224</td>
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<tr>
<td>Systems &amp; Circuits I, II EN 221, 222</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 206</td>
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<tr>
<td>Differential Equations Math M 331</td>
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<tr>
<td>Applied Programming PH 225</td>
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**JUNIOR YEAR**

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<tr>
<td>Modern Physics PH 311, 312</td>
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<tr>
<td>Electronics Lab PH 301</td>
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<td>Transducers PH 304</td>
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<td>Lab Microprocessor Applications PH 307</td>
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<td>Thermodynamics EN 320</td>
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<td>Optics PH 331</td>
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<tr>
<td>Numerical Analysis M 340</td>
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<td>Area I or II Requirements</td>
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**SENIOR YEAR**

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<tr>
<td>Electricity &amp; Magnetism PH 381, 382</td>
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<tr>
<td>Mechanics PH 341</td>
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<tr>
<td>Senior Lab PH 481</td>
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<tr>
<td>Advanced Topics PH 422</td>
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EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F/S). An introduction to engineering including subdivisions and organization of the professions, methods of analysis, computations, and vectors all of which include the use of computer programming. PREREQ: M 111, or equivalent.


EN 205 INTRODUCTION TO MECHANICS (3-0-3). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including concepts of force, mass, acceleration, work, and energy. Impulse and momentum. PREREQ: M 204 or PERM/INST and PH 220.

EN 206 DYNAMICS OF RIGID BODIES (2-0-2)(S). Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. PREREQ: EN 205.

EN 215 BASIC SURVEYING (1-3-2)(F). A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry, construction management, and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. PREREQ: M 111 or equivalent.


EN 221 SYSTEMS AND CIRCUITS (3-0-3)(F). The fundamental course in electrical engineering which provides an introduction to electrical circuits and basic network analysis. Topics covered are simple resistive, capacitive and inductive circuits, network theorems and circuit analysis methods. PREREQ: M 204.

EN 223 SYSTEMS AND CIRCUITS II (3-4-1)(S). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis. Transform methods of circuit analysis are introduced. PREREQ: EN 221.

EN 301 FLUID MECHANICS (3-0-3)(S). Physical properties of fluids; fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. PREREQ: EN 206 and EN 205.

EN 306 MECHANICS OF MATERIALS (3-0-3)(S). Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. PREREQ: M 205 or PERM/INST and EN 205.

EN 320 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 221.

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.

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 and biological 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 by their influence on philosophy, religion and technology.

PH 101-102 GENERAL PHYSICS (3-3-4). (F/S) (Area III). Mechanics, sound, heat, light, magnetism, an 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 Trig-Geometry.

PH 103 RADIOLOGICAL PHYSICS (2-0-2)(F). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included.

PH 104 RADIOLOGICAL PHYSICS (2-2-3)(S). An application of electrical, atomic

Course offerings

CO CONSTRUCTION MANAGEMENT

Lower Division

CO 235 CONSTRUCTION BLUE PRINT COMMUNICATIONS (2-0-2)(F). The transmission and interpretation of blueprint communications covering different types of drawings, including their organization and format. Emphasizing three-dimensional visualization to make practical applications and determine quantities of work. Learn how to interpret quickly and visualize what is being presented by the drawings. Monday field trips required. PREREQ: EN 108.

CO 240 INTRODUCTION TO THE MANAGEMENT OF CONSTRUCTION (3-0-3)(S). Introduction to construction terminology, industry and management. Includes the planning, staffing, directing and controlling functions with emphasis on organizations and the schools of management. A survey of the basic trades, methods, quantity take-off calculations, estimating, and scheduling. Monday field trips required. PREREQ: M 111 and EN 108.

CO 246 CONTRACTS AND SPECIFICATIONS (3-0-3)(S). Contracts, contract documents and specifications for construction including legal as well as technical implications, claims, change orders and contract administration, emphasizing Owner-Engineer/Architect-Contractor functions and related problems. Monday field trips required. PREREQ: GB 202.

Upper Division


CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S). Fundamentals of soil mechanics as it relates to foundation and earthwork construction problems; interaction of water and soil, compaction, bearing capacity, lateral pressures, drainage and waterproofing, spread footings, retaining walls, pile foundations, and special foundation construction problems. PREREQ: M 204 or PERM/INST.

CO 351 MECHANICAL INSTALLATIONS (3-0-3)(F). The fundamentals of mechanical installations and associated construction problems including heat loss and gain, heating, ventilating and air-conditioning, fluid flow in pipes and ditches as well as water supply, sewage, and fire protection installations. Monday field trips required. PREREQ: PH 102 and EN 205.

CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3)(S). The fundamentals of electrical and acoustical installations and associated construction problems including electrical circuits, conduits, conductors, switch gear; other service equipment and electrical transmission. Also included will be lighting and acoustical installations and associated construction problems. Monday field trips required. PREREQ: PH 102 and EN 205.


CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (3-0-3)(F). Contractor organization, project supervision and motivation. Labor, materials, equipment, safety, time and motion studies, time-lapse photography, and flow and process charts. Monday field trips required. PREREQ: DS 207 and CO 370.


EN ENGINEERING

Lower Division

EN 100 ENERGY FOR SOCIETY (3-2-4)(Area III). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions will be studied.

EN 101 TECHNICAL DRAWING (2-2-2). A basic course in technical drawing covering lettering, the use of drawing instruments, geometry, orthographic projections, sectioning, dimensioning, pictorial drawing and other drafting problems.

EN 104 (M 124) DIGITAL COMPUTER PROGRAMMING (2-0-2). Course for science or math majors to introduce FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and sub-programs, all applied to problem solving. Should have Mathematics background equal to or exceeding one of prerequisites. PREREQ: M 106 or 111 or 108.

College of Arts and Sciences
and nuclear physics to image intensification, fluoroscopy, cineradiography, video tape systems, stereoradiography, body section radiography, therapeutic radiology, nuclear medicine and ultrasound. PREREQ: PH 193.

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 109 (M 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). 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 117 or M 108.

PH 220 PHYSICS I - MECHANICS (3-1-3)(F/S)(Area III). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. PREREQ: M 204. Must be concurrently taken or have taken M 205.


PH 223 WAVE MOTION AND HEAT LAB (0-3-1)(F/S)(Area III). A lab designed to be taken concurrently with PH 222. Basic experiments in electricity, simple circuit analysis and instrumentation. PREREQ: PH 220. COREQ: PH 222.

PH 224 EN 224 ELECTRICITY AND MAGNETISM LAB (0-3-1)(F/S)(Area III). A lab designed to be taken concurrently with PH 222. Basic experiments in electricity, simple circuit analysis and instrumentation. PREREQ: PH 220. COREQ: PH 222.

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2)(S). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on language and programming topics useful in the solution of science and engineering problems. Concentration will be on FORTRAN, but other programming languages will also be used. PREREQ: EN 104 or EN 107. COREQ: M 205 or M 106. Credit cannot be obtained from both PH 225 and M 225.

Upper Division

PH 301 ANALOG ELECTRONICS LAB (2-6-4). An introduction to some of the more common discrete semiconductor devices and analog integrated circuits and their use 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 224, EN 223.

PH 304 TRANSUDERS (1-3-2)(S). An introduction to some common devices used to convert energy forms into electrical signals. Included are photomultiplier tubes, photocathode tubes, solar cells, photoresistors, linear variable differential transformers, thermocouples, thermistors, piezoelectric and piezoresistive elements. Signal conditioning for these devices will be covered. PREREQ: PH 301.

PH 307 LABORATORY MICROPROCESSOR APPLICATIONS (2-3-4)(F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microcomputer system for data acquisition and control. PREREQ: PH 222 or EN 222 or PERM/INST.

PH 311-312 MODERN PHYSICS (3-0-3)(F/S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, solid state physics and statistical mechanics. PREREQ: PH 221, M 331.

PH 331 OPTICS (3-3-4). 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 221.

PH 341 MECHANICS (4-0-4)(F). 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 321 and PH 220.


PH 422 ADVANCED TOPICS (3-0-3). 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 481 SENIOR LAB (1-6-3)(F). 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 (0-6-2)(S). 1 or 2 credits depending on the project. Elective. A sophisticated laboratory project in some area of physics. PREREQ: PH 401.

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

Department of Political Science & Philosophy

Administration Building, Room 218
Telephone (208) 385-1458
Chairman and Professor: Dr. Willard M. Overgaard; Professors: Brinton, Donoghue, Moncrief, Raymond, Skillern; Associate Professors: Barton, Harbison, Kinney, Schoedinger; Assistant Professor: Sallie; Special Lecturer: Kuykendall.

Majors offered

Political Science
Political Science (Social Science), Secondary Education Program
Philosophy

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 Program

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 ........................................... 3
Contemporary Political Ideologies PO 141 ....................................... 3
International Relations TB 231 .................................................. 3
Political Behavior PO 298 .......................................................... 3
Senior Seminar (Scope & Method of Poli Sci) PO 498 ......................... 3
Lower Division Electives (Select one requisite to the appropriate area of emphasis): State and Local Government PO 102 ........................................... 3
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.

**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 systematized legal norms and processes of diverse societies.

- General University and Core Requirements
  - Political Science Major Requirements

1) **LOWER DIVISION**
   - Lower Division Courses
     - American National Government PO 101
     - Contemporary Political Ideologies PO 141
     - Comparative European Gov't & Politics PO 229
     - International Relations PO 231
     - Political Behavior PO 298

2) **UPPER DIVISION**
   - Upper Division Courses
     - American Political Theory PO 331
     - Constitutional Law PO 351
     - International Law PO 421
     - Western Political Theory PO 441
     - Comparative Legal Systems PO 451
     - Senior Seminar (Scope & Meth of Poli Sci) PO 498

Political Science Electives

**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.

- General University and Core Requirements
  - Political Science Major Requirements

1) **LOWER DIVISION**
   - Lower Division Courses
     - American National Government PO 101
     - Contemporary Political Ideologies PO 141
     - Comparative European Gov't & Politics PO 229
     - International Relations PO 231
     - Political Behavior PO 298

2) **UPPER DIVISION**
   - Upper Division Courses
     - American Political Theory PO 331
     - Constitutional Law PO 351
     - International Law PO 421
     - Western Political Theory PO 441
     - Comparative Legal Systems PO 451
     - Senior Seminar (Scope & Meth of Poli Sci) PO 498

Political Science Electives

**Political Science - International Relations Emphasis**

The area of emphasis in International Relations is available for students wishing to obtain 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 intended to provide a basis for an interdisciplinary program with additional courses drawn from Foreign Languages, History, Economics, and Sociology.

- General University and Core Requirements
  - Political Science Major Requirements

1) **LOWER DIVISION**
   - Lower Division Courses

2) **UPPER DIVISION**

Each academic department in the Social Sciences (History, Political Science, Sociology, Anthropology & Criminal Justice Administration, and Economics) provides a major emphasis with special concentration in the discipline of Political Science. 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 opting for the Public Administration area of emphasis should include electives in Computer Science, Psychology, Sociology, History, Economics, and Communication.

- General University and Core Requirements
  - Political Science Major Requirements

1) **LOWER DIVISION**
   - Lower Division Courses
     - American National Government PO 101
     - Contemporary Political Ideologies PO 141
     - Public Policy PO 220
     - International Relations PO 231
     - Political Behavior PO 298

2) **UPPER DIVISION**
   - Upper Division Courses
     - Intro to Public Administration PO 303
     - American Chief Executive PO 309
     - Public Finance PO 310
     - Administrative Law PO 467
     - Intergovernmental Relations PO 469
     - Organizational Theory & Bureaucratic Structure PO 487
     - Senior Seminar (Scope & Meth of Poli Sci) PO 498

Political Science Electives

**Political Science - Social Science Secondary Education Option**

Each academic department in the Social Sciences (History, Political Science, Sociology, Anthropology & Criminal Justice Administration, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the Department’s subject matter plus 2 additional fields of study or teaching minors of 15 credits, each chosen from other Social Science fields. Also SS 450, Teaching Social Studies in the Secondary School, is required for all students with Social Science Secondary Education Option; certification requirement of 6 hours of U.S. History is applicable.

30 Credit Hour Program - 24 Credit Hours Required Courses:

American National Government PO 101
State and Local Government PO 102
Contemporary Political Ideologies PO 141
International Relations PO 231
Comparative European Government & Politics PO 229
American Parties and Interest Groups PO 301
Intro to Public Administration PO 303

OR

College of Arts and Sciences
American Chief Executive PO 309 OR

Legislative Behavior PO 312

American Political Theory

Western Political Theory I or II, PO 441 or 442

Constitutional Law PO 351

Political Science Electives-Upper Division

15 Credit Hour Emphasis - 12 Credit Hours Required Courses:

American National Government PO 101

Contemporary Political Ideologies PO 141

Comparative European Govt & Politics PO 229

International Relations

American Parties & Interest Groups PO 301

Introduction to Public Administration PO 303

American Chief Executive PO 309 OR

Constitutional Law PO 351 OR

Upper Division Electives

18 Credit Hour Emphasis (General) - 12 Credit Hours Required Courses (available to Secondary Education students who want a minor emphasis in Political Science but are not part of the 30-15-15 program):

American National Government PO 101

Contemporary Political Ideologies PO 141

Comparative European Govt & Politics PO 229

International Relations PO 231

Upper Division Electives

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3)/(F/S/Area II). Institutions and processes of American political system, emphasizing social, ideological, and constitutional background.

PO 102 LOCAL GOVERNMENT (3-0-3)/(F). Institutions and processes of state and local government, with emphasis on constitutionalism, legislatures, governors and reappointment.

PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3)/(F/S/Area II). Principal ideas characterizing liberalism, communism, fascism, and Nationalism.

PO 220 AMERICAN POLICY PROCESS (3-0-3)/(S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administration.

PO 229 COMPARATIVE EUROPEAN GOVERNMENTS AND POLITICS (3-0-3)/(F/S). Political systems of selected European nations, including Great Britain, France, German Federal Republic, Italy, and Scandinavian states. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. PREREQ: PO 101 OR PERM/INST.

PO 231 INTERNATIONAL RELATIONS (3-0-3)/(F/S/Area II). Nature of relations among nations with particular reference to contemporary international issues. Analysis of motivating factors, including nationalism, imperialism, communism. Study of national sovereignty and its relation to international cooperation. PREREQ: PO 101 or PERM/INST.

PO 298 POLITICAL BEHAVIOR (3-0-3)/(F). Behavioral perspectives of political systems. Micro-political theory, concepts, and techniques of analysis. Upper Division

PO 301 AMERICAN PARTIES AND INTEREST GROUPS (3-0-3)/(F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. PREREQ: PO 101 or 102.

PO 302 PUBLIC OPINION AND VOTING BEHAVIOR (3-0-3)/(S). Development of public opinion and voting behavior. Empirical research from variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3)/(F). Theory, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 309 AMERICAN CHIEF EXECUTIVE (3-0-3)/(F). Consideration of the importance and involvement of the President in the political and policy-making processes and powers of the Presidency. PREREQ: PO 101.


PO 311 COMPARATIVE FOREIGN POLICY (3-0-3)/(F). Political institutions, concepts, values, and methods of international politics relevant to practice of nation-states; examination of foreign policies and objectives of world's major powers; analysis of contemporary international problems; consideration of theories of international politics. PREREQ: PO 101 or 231.

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)/(S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system. PREREQ: PO 101 or 301.

PO 324 COMPARATIVE COMMUNIST PARTY-STATE SYSTEMS (3-0-3)/(F). Political institutions of the Soviet Union, Eastern Europe, People's Republic of China, and other communist party-states. Selected topics and problems related to political institutions and political processes to define patterns of political relationships. Questions of political theory and political determinants in development of communist party-states. PREREQ: PO 101. Alternate years.

PO 331 AMERICAN POLITICAL THEORY (3-0-3)/(F). Genesis and development of political thought in the United States from colonial period to present.

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3)/(F/S). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia, and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101. Alternate years.

PO 335 UNITED STATES FOREIGN POLICY (3-0-3)/(F). Development of diplomacy from foundation of the republic to the present with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies. Alternate years.

PO 351 CONSTITUTIONAL LAW (3-0-3)/(S). Case study of constitutional system and its concepts as revealed in judicial decisions. PREREQ: PO 101.

PO 421 INTERNATIONAL LAW (3-0-3)/(F). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law, and their application to international affairs. PREREQ: PO 101, 231. Alternate years.

PO 422 INTERNATIONAL ORGANIZATION (3-0-3)/(F/S). Historical background, the league; basic problems of international entities; the United Nations. PREREQ: PO 101, 231. Alternate years.

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

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

PO 467G ADMINISTRATIVE LAW (3-0-3)(F/S). 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/S). Intergovernment 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/S). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relation-ship between political science and sociological organizational theory. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation.

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/S). Examination of discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. Required of all political science majors.

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3-0-3)(F/S)(Area 1). 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/S)(Area 1). 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 analytic philosophy in Anglo-American philosophy since 1900, with attention to selected figures such as Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101. Alternate years.
PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3)(S). An exploration of the nature of conscious experience and the place of dread and choice in human existence, with emphasis on selected figures in the tradition of European philosophy established by Kierkegaard and Husserl. PREREQ: PY 101. Alternate years.
PY 333 METAPHYSICS (3-0-3)(F). An investigation of basic problems about the nature of reality. Possible topics include personal identity, the nature of mind, freedom and determinism, and the problem of universals. PREREQ: PY 101. Alternate years.
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 God's 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. PREREQ: PY 101. 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.
General Psychology P 101 ........................................... 3
State and Local Government PO 102 ................................ 3
Intro to Social Work SW 101 ....................................... 3
Elementary Social Work Processes SW 201 ....................... 3
Intro to Multi-Ethnic Studies SO 230 ............................. 3
3. UPPER DIVISION
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
Electives-Lower—Upper Division ............................. 20

*Core from: AR, HU, HI, MU, PY, TA, Foreign Language 201, 202. Humanities must represent two fields.
**Must be selected from: Social Work, Communication, Sociology, Anthropology, Criminal Justice Administration, Political Science, History. With approval of advisor.

Suggested Program

** BACHELOR OF ARTS DEGREE

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<td>Elementary Social Work Processes SW 201</td>
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<td>History</td>
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<td>Introduction to Multi-Ethnic Studies SO 230</td>
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<td>Psychology Elective</td>
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Course offerings

SW SOCIAL WORK

SW 101 INTRODUCTION TO SOCIAL WORK (3-0-3)(F/S) (AREA II). Survey of the historical development and contemporary practice of social work; values, knowledge base, skills, the underlying philosophy and the need for social services in society. Social work functions and career opportunities are delineated.

SW 201 ELEMENTARY SOCIAL WORK PROCESSES (3-0-3)(F/S). Communication skills, interviewing techniques, and problem solving processes specific to practice. Community social services are reviewed and three clock hours of service per week are required in agency to facilitate the integration of values, knowledge and skills. PREREQ: SW 101.

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3-0-3)(F/S). Human systems framework, age-related stages of development with special attention to life crises related to each stage, identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminism, racial, ethnic and alternate life styles. PREREQ: SW 201, SO 101 and P 101.

SW 380 SOCIAL WORK STATISTICS AND RESEARCH METHODS (3-0-3)(S). An introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. PREREQ: SW 301, 321.

SW 385 SOCIAL WORK METHODS-CASWORK (3-0-3)(F/S). An examination of skills employed to serve individuals and families; communication skills, problem solving process and case recording. PREREQ: SW 301, 321.


SW 435 SOCIAL WORK METHODS-GROUPWORK (3-0-3)(F/S). Dynamics of group behavior, understanding group interaction and the processes of working with groups. PREREQ: SW 301, 321.

SW 480 FIELD WORK I (5-0-5)(F). Sixteen clock hours per week, the student works as a practicing social worker under the teaching supervision of a professionally trained and experienced social worker. Must apply for admission into the field work program December preceding Fall registration period. PREREQ: SW 301, 327, 380, 385, Cum GPA =2.5; major GPA =3.0.

SW 481 FIELD WORK II (0-16-5)(S). Continuation of Field Work I. PREREQ: SW 480 and PERM/INST.

SW 498 SENIOR LEVEL SEMINAR (1-0-1)(F). Facilitates and encourages the student's development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 481.

SW 499 SENIOR LEVEL SEMINAR (1-0-1)(S). Continuation of SW 498. Must be taken concurrently with SW 481.
Bachelor Degree

Anthropology
Anthropology (Social Science), Secondary Education
Criminal Justice Administration
Multi-Ethnic Studies
Social Science
Sociology
Sociology (Social Science), Secondary Education

Department statement
The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for seven degree programs.

In addition, the Department is responsible for both an Anthropology and a Sociology "Social Science Curriculum Minor" as part of the Social Science Secondary Education degree; for a "Minor" in Multi-Ethnic Studies; and for "Minor Certification Endorsement" in Anthropology and in Sociology for teachers.

Degree requirements

ANTHROPOLOGY
Bachelor of Arts Degree

Liberal Arts Option

a. General University and Basic Core Requirements

b. Anthropology 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 ..................................... 6
      History of Anthropology AN 401 ................. 3
      Elementary Social Statistics SO 310 or equivalent 3
   3) Other Upper Division Courses ....................... 27
      Select 9 credits from each of the following groups of courses:
      Group I Courses ............................................. 9
      Human Evolution 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
      Indian Peoples of Idaho AN 315 ................. 3
      Ethnography Electives ..................................... 3
      Group III Courses ......................................... 9
      Old World Prehistory AN 303 ....................... 3
      Archaeology on North America AN 312 .......... 3
      Archaeology of Latin America AN 318 ........... 3
      Seminar in Anthropology AN 421 .................. 3

   c. Recommended Electives:
      One year of a foreign language; a computer application course;
      and LI 305 Introduction to Linguistics.

Anthropology - Social Science Secondary Education Option

Academic Options - Each academic discipline in the Social Sciences (History, Political Science, Sociology, Anthropology and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the Department's subject matter plus 2 additional fields of study of 15 credits each chosen from the other Social Science fields.

   a. Anthropology Courses ..................................... 33
      Required courses are the same as for the major less 3 credit hours in each of Groups I, II, and III, and SO 310 is not required.
   b. Secondary Education Requirements .................. 25-30
      Refer to Teacher Education Department
   c. 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
History
Political Science
Sociology

Anthropology Minor Option

a. Liberal Arts Minor
   Completion of the following courses ........................ 21
   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

b. Anthropology Education Minor Option ................. 15
   Required Courses:
   Physical Anthropology AN 101 .......................... 3
   Cultural Anthropology AN 102 .......................... 3
   Upper Division Anthropology Electives ............ 9
   Intro to Archaeology AN 103 is strongly recommended.

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:

   Credits
   English Composition EN 101-E 102 .......................... 6
   Literature ...................................................... 3
   Humanities (Area I) .......................................... 9
   Science or Mathematics (Area III) ..................... 12
   History ......................................................... 3
   Introduction to Financial Accounting AC 205 ........ 3

OR

   Introduction to Information Sciences IS 210 ........... 3
   General Psychology P 101 .................................... 3
   American National Government PO 101 ................. 3
   State-Local Government PO 102 .......................... 3
   Fundamentals of Speech Communication CM 111 ....... 3
   Introduction to Sociology SO 101 ....................... 3
   Social Justice CR 101 ....................................... 3
   Intro to Criminal Justice Admin CR 201 ............... 3
   Police in the Community CR 215 ......................... 3
   Administration of Justice CR 301 ....................... 3
   Criminal Law CR 321 ....................................... 3
   Contemporary Correctional Theory & Practice CR 362 .. 3
   Senior Seminar in Criminal Justice CR 498 ............ 3
   Abnormal Psychology P 301 ................................ 3
   Juvenile Delinquency SO 415 ............................. 3
   Criminology SO 417 ......................................... 3
   Independent Study in Criminal Justice CR 490 ....... 3

SPECIALTY AREA COURSES

1. Law Enforcement
   Defensive Tactics PE 192 .................................... 1*
   Law of Criminal Evidence CR 275 ....................... 3
   Law of Arrest, Search & Seizure CR 276 ............... 3
   Police Organization & Management CR 351 .......... 3
   Introduction to Criminalistics CR 380 ................ 3
   Criminal Justice Planning CR 425 ..................... 3
   Comparative Law Enforcement Admin CR 451 ......... 3
   Field Practicum-Enforcement CR 450 .................. 6
   Electives to total 129 ............................... 19

2. Courts/Law
   Law of Criminal Evidence CR 275 ....................... 3
   Law of Arrest, Search & Seizure CR 276 ............... 3
   Judicial Admin & Court Management CR 381 .......... 3
   Criminal Justice Planning CR 425 ..................... 3
   Comparative Law Enforcement Admin CR 451 ......... 3
1. General University Requirement  

2. Social Science Requirements:  
   a. Lower Division Courses  
      - Anthropology  
      - Economics  
      - Political Science  
      - Sociology  
      - Social Science Electives  
   b. Upper Division Courses (select from the following combinations—12 credits in one field and 6 credits in two other fields)  
      - Anthropology  
      - Economics  
      - History  
      - Political Science  
      - Psychology  
      - Sociology  

3. Corrections/Counseling  
   a. Lower Division Courses  
      - Corrections in the Community CR 331  
      - Interview & Counseling in Crim Justice CR 341  
      - Criminal Justice Research & Eval CR 426  
      - Field Practicum-Correct-Counsel CR 490  
      - Criminal Justice Elective  
   b. Upper Division Courses  
      - Corrections in the Community CR 331  
      - Interview & Counseling in Crim Justice CR 341  
      - Criminal Justice Research & Eval CR 426  
      - Field Practicum-Correct-Counsel CR 490  

4. Planning/Administration  
   a. Lower Division Courses  
      - Judicial Admin & Court Management CR 381  
      - Criminal Justice Planning CR 425  
      - Criminal Justice Research & Eval CR 426  
      - Comparative Law Enforcement Admin CR 451  
      - Criminal Justice Electives  
   b. Upper Division Courses (select from the following)  
      - Political Science  
      - Economics  
      - History  
      - Social Work  
      - Sociology  

* Must be completed prior to senior year.

SOCIAL SCIENCE  
Bachelor of Arts  

1. General University and Basic Core Requirements:  
2. Social Science Requirements:  
   a. Lower Division Courses  
   b. Upper Division Courses  

SOCIOLOGY MAJOR  
Bachelor of Arts  
Bachelor of Science  

1. Completion of general university requirements for the Bachelor of Arts or Bachelor of Science degree as given in Part 3 of the 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 SC 201  
      - Theories of Society SO 210  
      - Elementary Social Statistics SO 310  
      - Social Research SO 311  
      - History of Sociology SO 401  
      - Contemporary Sociological Theory SO 402  
      - Sociology Seminar SO 498  
   b. A nine (9) credit hour track emphasizing either 1) General Sociology or 2) Applied Sociology. The General track will serve those who desire a broad theoretical orientation and substantive 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 - Nine credit hours selected from:  
      - Social Institutions SO 351  
      - Social Change SO 403  
   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 disciplines of Economics, History, Political Science, Anthropology, and Sociology. Each discipline provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Geography and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History, as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curriculums in the degree program. The student is assigned to the department with the major curriculum.

The 30 hour Social Science Curriculum Major in Sociology consists of 23 hours required of all Sociology majors plus 9 credit hours of Upper Division Sociology.

ANTHROPOLOGY  
Social Science Minor  
Required Courses AN 101, 102, 311  
Anthropology Electives, Upper Division  
SOCIOLOGY  
Social Science Minor  
Required Course SO 101  
Sociology Electives-Half must be Upper Div  
Minor certification endorsements for teaching areas are listed in this Catalog on page 100 of the Department of Teacher Education Section within the College of Education.

MULTI-ETHNIC STUDIES  
Bachelor of Arts  

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  
2. Ethnic Studies Requirements:
   a. Lower Division Courses  
      - Introduction to Multi-Ethnic Studies SO 230  
      - Cultural Anthropology AN 102  
      - Ethnic Literature Courses  
      - Minorities in U.S. History HY 261  
   b. Upper Division Courses  
   c. Ethnic Courses Electives  
      - (List of approved Course Offerings available from Program Supervisors)  
   3. General Electives  
   4. Special Electives  

Multi-Ethnic Studies Minor  

a. Requirements  
   - Intro to Multi-Ethnic Studies SO 230  

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### College of Arts and Sciences

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### Course offerings

#### AN ANTHROPOLOGY

**Lower Division**

- **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 II).** An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories.

**Upper Division**

- **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 103, 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 WW II; 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 PEOPLE AND CULTURES OF THE WORLD (3-0-3)(F/S).** A general world-wide 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 America 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 INDIANS OF IDAHO (3-0-3)(F/S).** A study of prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. **PREREQ:** Upper division status or PERM/INST.
- **AN 318 ARCHAEOLOGY OF LATIN AMERICA (3-0-3)(F/S).** An examination of the precolombian civilizations of Latin America with emphasis on those of Mexico and Central America, particularly the Maya and Aztec. **PREREQ:** Upper division status or PERM/INST.
- **AN 325 HUMAN EVOLUTION (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 101 or 102, 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 ANTHROPOLOGY

**Recommended programs**

**SOCIOLOGY PROGRAM**

Following is a suggested sequence of courses for the Bachelor of Science degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>American National Government</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Cultural Anthropology AN 102 Recom.</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Area II Elective</td>
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<tr>
<td>History of Western Civilization</td>
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<td>-</td>
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<tr>
<td>HY 101 Recom.</td>
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<tr>
<td>Area I Electives (core)</td>
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<td>16</td>
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* 8 100 Concepts of Biology and M 100 Cultural Approach to Math are strongly recommended.

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Lower Division</td>
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<tr>
<td>Science: Mathematics Elective</td>
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<tr>
<td>General Psychology P 101 Recommended</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Minor Emphasis</td>
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<tr>
<td>Oncology of Idaho</td>
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### JUNIOR YEAR

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<th>Course</th>
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<tr>
<td>Literature Elective (core)</td>
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<tr>
<td>Upper Division</td>
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<tr>
<td>Social Research SO 111</td>
<td>-</td>
<td>3</td>
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<tr>
<td>Emphasis: General: Applied</td>
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<tr>
<td>Electives</td>
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### SENIOR YEAR

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<th>Spring</th>
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<tbody>
<tr>
<td>History of Sociology SO 401</td>
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<td>-</td>
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<tr>
<td>Contemporary Soc Theory SO 402</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Emphasis: General: Applied</td>
<td>6</td>
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<td>Electives</td>
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<td>3</td>
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<tr>
<td>Electives</td>
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### CRIMINAL JUSTICE

**ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)**

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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Science or Mathematics</td>
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<tr>
<td>Social Justice CR 101</td>
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<tr>
<td>American National Government PO 101</td>
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<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Fundamentals of Speech Comm CM 111</td>
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<tr>
<td>State Local Government PO 102</td>
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<td>3</td>
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<tr>
<td>Intro to Criminal Justice Admin CR 201</td>
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### SOPHOMORE YEAR

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<tr>
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<th>Spring</th>
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<td>OR</td>
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<tr>
<td>Intro to Financial Accounting AC 205</td>
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<tr>
<td>Police in the Community CR 215</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Law of Criminal Evidence CR 275</td>
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<tr>
<td>Humanities</td>
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<tr>
<td>History</td>
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<tr>
<td>General Psychology P 101</td>
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</table>

*List of approved courses available from Program Supervisors.*
CRIMINAL JUSTICE ADMINISTRATION

CR 201 INTRODUCTION TO CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F).

CR 215 POLICE IN THE COMMUNITY (3-0-3)(F).

CR 275 LAW OF CRIMINAL EVIDENCE (3-0-3)(F).

CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3-0-3)(S).

CR 301 ADMINISTRATION OF JUSTICE (3-0-3)(F).

CR 321 CRIMINAL LAW (3-0-3)(S).

CR 331 CORRECTIONS IN THE COMMUNITY (3-0-3)(S).

CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(F).

CR 341 ADVANCED INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(S).

CR 351 POLICE ORGANIZATION AND MANAGEMENT (3-0-3)(F).

CR 352 CRIMINAL JUSTICE PLANNING (3-0-3)(F).

CR 380 INTRODUCTION TO CRIMINALISTICS (3-0-3)(S).

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S)(Even years).

CR 425 CRIMINAL JUSTICE PLANNING (3-0-3)(F).

CR 426 CRIMINAL JUSTICE RESEARCH AND EVALUATION (3-0-3).

CR 451 COMPARATIVE LAW ENFORCEMENT ADMINISTRATION (3-0-3)(S).
SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. PREREQ: SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3)(F). Comparative analysis of the ways in which societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

SO 361 SOCIOLOGY OF WORK (3-0-3)(F/S). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper division standing.

SO 365 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 enforcement, punishment, 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: General Psychology P 101 or Introduction to Sociology. SO 101 and upper division standing.

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 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/S). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper divisions standing. 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 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). An analysis of 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 the structure of behavior, personal philosophy, and life choices. 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/S). 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/S). 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, PERM/INST.


Department of Theatre Arts

Morrison Center, Room C-100 Telephone (208) 385-3957

Chairman and Professor: Charles E. Lauterbach; Professors: Lauterbach, Shankweiler; Associate Professor: Ericson; Assistant Professor: Buss.

Majors offered

Theatre Arts
Theatre Arts, Secondary Education

Program requirements

THEATRE ARTS

Bachelor of Arts

General University Requirements except

1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Physical Education Courses (as recommended by Advisor; fencing, dance, gymnastics, etc.)
3. Area I
   Intro to Theatre and Art History... 6
   Drama Literature
   Elective Literature Course
4. Area II
   History of Western Civilization
5. The Department recommends that Theatre Arts Majors take one year of Foreign Language and Library Science 101 or 102.

Major Subject Requirements

THEATRE

Introduction to Theatre TA 107
Technical Theatre TA 117-118
Acting (Lower Division) TA 215
Stage Voice TA 233
World Drama TA 341, 342
Directing TA 401
Theatre History TA 421, 422
Contemporary Theatre TA 445
Major Production Participation (2 hr LD, 2, UD) TA 231, 331

(Upper Division Courses—21)

SECONDARY EDUCATION

Department requirements for the Secondary Education Option are the same as regular Theatre major plus:

Directing TA 402
Shakespeare E 345 or 346 (substituted for Contemporary Theatre TA 445)

Reading in Content Subjects TE 307
Educating the Exceptional Student TE 333

The student must also satisfy the requirements for teacher certification.

Recommended program

THEATRE ARTS MAJOR

Bachelor of Arts

(Departmental Requirements indicated by asterisk)
<table>
<thead>
<tr>
<th>College of Arts and Sciences</th>
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<tbody>
<tr>
<td><strong>THEATRE EMPHASIS</strong></td>
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<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>*Physical Education</td>
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<tr>
<td>Laboratory Science</td>
</tr>
<tr>
<td>*Introduction to Theatre</td>
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<tr>
<td>*Technical Theatre</td>
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<tr>
<td>Art or Music</td>
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<tr>
<td>Intro to Use of Books &amp; Libraries</td>
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<tr>
<td><strong>SOPHOMORE YEAR</strong></td>
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<tr>
<td>Literature Elective</td>
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<tr>
<td>*Stage Voice</td>
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<td>*Western Civilization</td>
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<tr>
<td>*Acting</td>
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<tr>
<td>Social Science Elective</td>
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<td><strong>SENIOR YEAR</strong></td>
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<td>*Directing</td>
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<td>*Theatre History</td>
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<td>*Stage Voice</td>
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<td>*Western Civilization</td>
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<tr>
<td><strong>ENGLISH MINOR FOR THEATRE ARTS</strong></td>
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<tr>
<td>Secondary Education Option: See recommended minor listed in this Catalog under the English Department heading.</td>
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<tr>
<td>Liberal Arts Option:</td>
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<tr>
<td>Lower Division Literature</td>
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<td>One of the following:</td>
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<tr>
<td>Expository Composition E 201</td>
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<tr>
<td>Creative Writing, Poetry E 205</td>
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<tr>
<td>Creative Writing, Fiction E 206</td>
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<td>Department Drama Courses</td>
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<td>*This requirement cannot be fulfilled by E 297, Special Topics Courses.</td>
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<td>Courses Applying to Both Disciplines:</td>
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<td>Shakespeare: Tragedies &amp; Histories E 345</td>
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<tr>
<td>Shakespeare: Comedies and Romances E 346</td>
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<td>Total in English Minor for Theatre Arts Major</td>
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<tr>
<td><strong>TA THEATRE ARTS</strong></td>
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<tr>
<td>Lower Division</td>
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<tr>
<td>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.</td>
</tr>
<tr>
<td>TA 107 INTRODUCTION TO THEATRE (3-0-3)(AREA). 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.</td>
</tr>
<tr>
<td>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 productions, development of drafting skills, skillful problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.</td>
</tr>
<tr>
<td>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 makeup and other technical aspects that influence this particular art. Practical application emphasized.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.</td>
</tr>
<tr>
<td>TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.</td>
</tr>
<tr>
<td>TA 233 STAGE VOICE (3-0-3)(F/S). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Upper Division</td>
</tr>
<tr>
<td>TA 311 ADVANCED ACTING (3-0-3)(F/S). Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. PREREQ: TA 251-216 or PERM/INST. Alternate years.</td>
</tr>
<tr>
<td>TA 341 WORLD DRAMA 500 BC-1642 (3-0-3)(F). Study of outstanding selections</td>
</tr>
</tbody>
</table>

82
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.
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: Stewart L. Tubbs, Director
- Idaho Business Development Center: Ronald Hall, Director

The College's overall strategic objective is to attain an increasing level of quality in its degree and nondegree programs, research and service which continues to merit its designation as the program of primary emphasis in business and economics in the State and which leads to regional recognition and national awareness. Teaching is recognized as the major responsibility of the faculty. The College of Business is committed to offer high quality programs in business administration. Elements of the College's mission are to:

1. Prepare graduates for entrance level positions in various management and functional areas of business;
2. Prepare graduates for entrance into graduate schools;
3. Provide graduate programs to meet community and regional needs;
4. Within resource limitations, prepare individuals for competencies requiring less than four year courses of study;

5. Offer courses designed to give business majors an understanding of the free enterprise system and the operation of business firms within the system; and

6. Serve the nonstudent population of Idaho by offering management development programs and faculty expertise through consulting and applied research.

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
Department of Accounting

Business Building, Room 214
Telephone (208) 385-3461

Chairman and Associate Professor: William Stratton; Professor: Merz;
Associate Professors: Gingras, Jensen, Medlin, Nix, Pirrong; Assistant
Professor: Harsha, Lathen, Millier; Special Lecturers: Boyll, Chatwood,
Christensen, Ellis, Ruby.

Majors offered

Accounting

Departmental Statement of Focus

The Department of Accounting at Boise State University has over 600
undergraduate majors. There are many professional opportunities
available for college graduates with an accounting background and
the demand for graduates is high.

Members of the accounting faculty possess impressive credentials.
There are 13 full-time faculty. Of these twelve are CPAs, five are CMAs,
and eight hold the doctorate. Their research is recognized through
publication in many professional journals. Faculty frequently serve in
consulting capacities to local and national business firms. Most of the
faculty have extensive relevant experience in industrial, public, and
governmental accounting.

Perhaps the most interesting and unique feature of the department
is its close relationship to the business community. Guest lecturers
currently conduct classes and workshops. This "corporate labora-
tory" experience at BSU provides the student with a unique perspec-
tive not typically available at other schools.

The Accounting program provides thorough training in accounting,
general business, and economics, along with a broad exposure to the
arts and sciences.

In many courses, the student is required to utilize the IBM Personal
Computer to prepare working papers and assignments. The College of
Business has a microcomputer laboratory as well as a microcomputer
classroom where students are taught the basic skills. These skills are
then integrated within several of the accounting courses, providing a
significant educational benefit.

The internship program is large and growing. The student has the
opportunity to earn college course credits while realizing the benefits
of real world accounting experience. Most firms participating in the
internship program offer a salary to students.

Special Information for Students

1. Students interested in careers in professional accounting are
strongly advised to plan on taking in excess of the minimum 128
hours required for graduation. This is necessary to obtain the min-
imum knowledge requirements for entry into the accounting pro-
fession. In particular, students planning to sit for the CPA/CMA/
CIA examinations should take the following additional courses:
   CPA   AC 402, 420, and 440
   CMA   AC 402 and 420
   CIA   AC 420

   More detailed information about these professional certification
   programs is available through the department. A suggested "ninth
   semester" for those planning professional careers in accounting is
   shown following the Recommended Program below.

2. Due to the rigor and intensity of the upper division accounting
   program, students are strongly urged to consult with their advisor
   prior to entering upper division to develop an individualized plan.
   This plan should avoid the taking of more than two accounting
courses in any one semester when the student is carrying a full
course load.

3. Some courses offered by the department require extended length
   examinations. These examinations vary in length from two to four
   hours, and may be given on Saturdays. In addition, special fees are
   assessed in some accounting classes to cover the cost of items such
   as computer software, materials, field trips, etc.
Degree requirements

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


Recommended program

ACCOUNTING PROGRAM
Bachelor of Business Administration

<table>
<thead>
<tr>
<th>Core Courses: The following courses (or permission of the instructor)</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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</thead>
<tbody>
<tr>
<td>FRESHMAN YEAR</td>
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<td>Mathematics M 105-106 or M 111-204</td>
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<td>Core Electives (Area I, II)</td>
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<th>Junior Year</th>
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<tr>
<td>Intermediate Accounting I, II AC 304-306</td>
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<td>Cost Accounting AC 351</td>
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<td>Managerial Accounting AC 352</td>
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<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>Business Communication AS 328</td>
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<td>Principles of Marketing MK 301</td>
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<td>Management &amp; Organizational Theory MG 301</td>
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<tr>
<td>Principles of Income Taxation AC 401</td>
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<tr>
<td>Advanced Accounting I, II AC 460-470</td>
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<td>3</td>
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<tr>
<td>Auditing AC 405</td>
<td>3</td>
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<tr>
<td>Commercial Law GB 302</td>
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<td>Organizational Behavior MG 401</td>
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<td>Business Policies GB 450</td>
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<th>Ninth Semester</th>
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<tr>
<td>Advanced Income Taxation AC 402</td>
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<tr>
<td>*Systems Analysis and Design AC 420</td>
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<td></td>
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<tr>
<td>Accounting Theory AC 440</td>
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<tr>
<td>Review for CPA/CMA/CIA Exam. (250-300 hours)</td>
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<tr>
<td>Recruiting for employment (50-100 hours)</td>
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<tr>
<td>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.</td>
<td>3</td>
<td></td>
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</tbody>
</table>

Course offerings

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.

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 budgeting, inventory measurement and control, and the impact of taxes on decision making. PREREQ: AC-205.

Upper Division

AC-304 INTERMEDIATE ACCOUNTING I (3-0-3) (F/S). The course includes problems of valuation and presentation of assets, 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 also included. PREREQ: AC-206.

AC-306 INTERMEDIATE ACCOUNTING II (3-0-3) (F/S). 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 the 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) (F/S). 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) (F/S). 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-401 PRINCIPLES OF INCOME TAXATION (3-0-3) (F/S). Theory and application of federal income taxes to individuals, including an introduction to partnerships, trusts and estates and income taxes. Degree credit not allowed for both AC-320 and AC-401. PREREQ: AC-306.

AC-402 ADVANCED INCOME TAXATION (3-0-3). Theory and application of the federal income tax to corporations organized for profits, and an introduction to partnership, trust and estate and gift taxation. PREREQ: AC-306, AC-401.

AC-405 AUDITING (3-0-3) (F/S). 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-420 SYSTEMS ANALYSIS AND DESIGN (3-0-3). Concepts and techniques of design of information systems. Topics include systems theory, data collection, classification, transmission and display, on-line systems and timesharing, credit may not be earned for both IS-420 and AC 420. Offered when possible. PREREQ: AC-306.

AC-440-446G ACCOUNTING THEORY (3-0-3) (F/S). 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 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 ADVANCED ACCOUNTING I (3-0-3) (F/S). Topics covered in the course include: Governmental and non-profit accounting, interim reports, segment reporting, corporate liquidations, estates and trusts, and franchises and consolidations. PREREQ: AC-306.

AC-470 ADVANCED ACCOUNTING II (3-0-3) (F/S). Study of partnership organization, business combinations and consolidated financial statements; international accounting standards. PREREQ: AC-460. First offering of this course will be in Fall semester 1985.

AC-492 CPA PROBLEMS (6-0-6). 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.
### Department of Economics

**Business Building, Room 311**  
Telephone (208) 385-3351

Chairman and Associate Professor: Charles L. Skoro; Professors: Asmus, Billings, Lamborn, Lichtenstein, Payne, Reynolds; Associate Professor: Draayer; Assistant Professors: Dalton, McGrath.

### Majors offered

- Economics
- Economics (Social Science), Secondary Education
- Real Estate

#### Recommended programs

**ECONOMICS MAJOR**

Bachelor of Arts

<table>
<thead>
<tr>
<th>Course Category</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>FRESHMAN YEAR</td>
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<td>Electives (Area II other than Econ or History)</td>
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<td>*Electives (Area I—Field Two)</td>
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<td>*Electives (Area I—Field Three)</td>
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<td><strong>Totals</strong></td>
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**SOPHOMORE YEAR**

- Principles of Macroeconomics EC 201: 3
- Principles of Microeconomics EC 202: 3
- Literature: 3
- Elective (Area I): 3
- Science (Area III): 4
- Intro to Financial Accounting AC 205: 3
- Intro to Managerial Accounting AC 206: 3
- Statistical Techniques IDS 207: 3
- Statistical Techniques II DS 208: 3
- Electives: 2
- **Totals**: 17

**JUNIOR YEAR**

- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- Principles of Finance FI 303: 3
- Economics Electives: 3
- **Electives**: 6
- **Totals**: 15

**SENIOR YEAR**

- Econometrics EC 421, EC 422: 3
- Economics Electives: 3
- **Electives**: 10
- **Totals**: 16

*Note: See the Baccalaureate Degrees section of this Catalog for clarification of fields in BA degree.

**Bachelor of Business Administration**

<table>
<thead>
<tr>
<th>Course Category</th>
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<td>English Composition E 101-102</td>
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<td>Area I Electives</td>
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<td>Area II Electives (other than Economics)</td>
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**SOPHOMORE YEAR**

- Principles of Economics EC 201-202: 3
- Science (Area III): 4
- Intro to Financial Accounting AC 205: 3
- Intro to Managerial Accounting AC 206: 3
- Legal Environment of Business GB 202: 3
- **Totals**: 16

**Required Courses EC 201, 202, 303, 305 - 12 hours**

**Other Economics Courses - 18 hours**

**Degree requirements**

**ECONOMICS MAJOR ENDORSEMENT (30 of 30-15-15)**

1. General University and Basic Core Requirements as listed in the appropriate section of this Catalog.
2. Two approved teaching minors (15 hours each) from:
   - History
   - Political Science
   - Anthropology
   - Sociology
   - Geography
3. Economics Courses—30 hours
   - Required Courses EC 201, 202, 303, 305: 12 hours
   - Other Economics Courses: 18 hours
4. Intro to Financial Accounting AC 205: 3 hours
5. Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education—25 or 30 hours (See Department of Teacher Education section of this Catalog for course listings.)
6. Sufficient electives to complete a total of 128 credit hours of which 40 must be Upper Division.

**ECONOMICS MINOR ENDORSEMENT (15 of 30-15-15)**

- Required Courses EC 201, 202, 303: 9
- Upper Division Economics Courses: 6

**Total**: 15

**ECONOMICS MINOR ENDORSEMENT (General)**

- Required Courses EC 201, 202, 303: 12
- Upper Division Economics Courses: 9
- **Total**: 21
Bachelor of Business Administration Degree

1st SEM 2nd SEM

FRESHMAN YEAR

English Composition E 101-102 3 3
Fundamentals of Speech Communication (Area II) CM 111 3 3
General Psychology (Area II) P 101 3 3
Mathematics M 105-106 or M 111-204 4 4
Electives (Area I) 3 3
Legal Environment of Business GB 202 3 3
Fundamentals of Real Estate RE 201 3 3

SOPHOMORE YEAR

Science Elective (Area III) 4 3
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 Science IS 210 3 3
Law of Real Estate RE 220 3 3
Statistical Techniques I DS 207 3 3
General Electives (Areas I, II, III) 4 4

JUNIOR YEAR

Intermediate Microeconomics EC 303 4 3
Regional Economics EC 321 4 3
Principles of Marketing MK 301 3 3
Management & Organizational Theory MG 301 3 3
Principles of Finance FI 303 3 3
Real Estate Finance RE 360 3 3
Introduction to Real Estate RE 331 3 3
Business Ethics and Social Responsibility GB 360 3 3
General Electives (Area I, II, III) 3 3
Business Communications AS 328 3 3

SENIOR YEAR

Organizational Behavior MG 401 3 3
Principles of Production Management DS 345 3 3
Real Estate Investment RE 360 3 3
Real Estate Income Taxation RE 340 3 3
Business Policies GB 450 3 3
*Major Elective 6 6
General Electives (Area I, II, III) 3 3
*General Electives 3 3
Totals 15 15

*Real Estate Electives: Real Estate Development, RE 370; Appraisal Income Property, RE 431; Principles of Income Tax, EC 491; Brokerage Management RE 450; Property Management RE 210; Money and Banking EC 301.

Course offerings

**EC ECONOMICS**

**Lower Division**

**EC 201 PRINCIPLES OF ECONOMICS-MACRO (3-0-3)** (Area II). 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)** (F/S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202.) PREREQ: none.

**Upper Division**

**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. This course includes 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 PUBLIC FINANCE (3-0-3)**. 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 and 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 (3-0-3)**. A 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 (3-0-3)**. 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 317 INTERNATIONAL ECONOMICS (3-0-3)**. The benefits and pattern of world trade and investment. Tariffs, quotas and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payments disequilibrium for national policy. The analysis of international payments adjustment and the nature and institutions of international monetary systems. PREREQ: EC 201, 202.

**EC 321 REGIONAL ECONOMICS (3-0-3)**. 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**. Focus on the structure of the urban areas, locational 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 (3-0-3)**. Analysis of radical political-economic thought and its applications to the study of socioeconomic problems. Topics include Marxian socialist economic theory, libertarian, anarchistic theory, evolutionary economic thought, 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**. Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed to emphasize the micro- and macroeconomic factors affecting employment decisions. Development and measurement of the U.S. industrial relations system is reviewed along with public policies and these are contrasted with those of other Western industrialized societies. PREREQ: EC 201-202.

**EC 333 NATURAL RESOURCE ECONOMICS**. 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 405 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3)**. Application and extension of macroeconomic theory to provide for 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. Alternate years.

**EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)**. 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 (3-0-3)**. 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 207-208. May be taken for graduate credit.

**EC 421G-Fall; EC 422G-Spring. (EC 421 is PREREQ for EC 422.)**
Department of Information, Decision Science & Finance

Chairman and Associate Professor: Emerson C. Maxson; Professors: Brender, Groebner, Sitzel; Associate Professors: Franklin, Gallup, Gardner, Gill, LaCava; Assistant Professors: Capell, Wojtkowski (G); Lecturers: Snodgrass, Wojtkowski (W).

Majors offered

Computer Information Systems
Finance
Quantitative Management
Production Management

Recommended programs

FINANCE MAJOR

Bachelor of Business Administration Degree

1st SEM 2nd SEM

FRESHMAN YEAR

English Composition E 101-102 3 3
Mathematics M 105-106 or M 111-204 4 4
Area I electives 3 3
General Electives (Area I, II, III) 3 3

Totals 16 16

SOPHOMORE YEAR

Principles of Economics EC 201-202 3 3
Intro to Financial Accounting AC 205 3 3
Intro to Managerial Accounting AC 206 3 3
Intro to Information Sciences IS 210 3 3
Statistical Techniques I, II DS 207, 208 3 3
Legal Environment of Business GB 202 3 3
Science Electives (Area III) 4 4
Introduction to Securities FI 250 3 3

Electives 3 3

Totals 16 18

JUNIOR YEAR

Principles of Marketing MK 301 3 3
Management & Organizational Theory MG 301 3 3
Principles of Finance FI 303 3 3
Intermediate Microeconomics EC 303 3 3
Money and Banking EC 301 3 3
Financial Management I FI 325 3 3
*Major Electives 3 3
General Electives (Area I, II, III) 5 5
Principles of Production Management DS 345 3 3
Business Communications AS 328 3 3

Electives 3 3

Totals 15 17

SENIOR YEAR

Management of Financial Institutions FI 417 3 3
Senior Seminar in Finance FI 498 3 3
Investment Management FI 450 3 3
Organizational Behavior MG 401 3 3
Financial Management II FI 326 3 3
Business Ethics & Social Responsibility GB 360 3 3
Business Policies GB 450 3 3
Electives (Area I, II, III) 3 3

Totals 15 15

*Finance Electives: Intermediate and/or Managerial and Cost Accounting AC 304, 306, 351, 352; International Economics EC 317; Real Estate Finance RE 360; Senior Seminar in Finance FI 498— one required, second recommended; Public Finance EC 310.

COMPUTER INFORMATION SYSTEMS MAJOR

Bachelor of Business Administration

1st SEM 2nd SEM

FRESHMAN YEAR

English Composition E 101-102 3 3
Mathematics M 105-106 or M 111-204 4 4
Area I electives 3 3
General Electives (Area I, II, III) 3 3

Totals 16 16

SOPHOMORE YEAR

Principles of Economics EC 201-202 3 3
Intro to Financial Accounting AC 205 3 3
Intro to Managerial Accounting AC 206 3 3
Intro to Information Sciences IS 210 3 3
Statistical Techniques I, II DS 207, 208 3 3
Legal Environment of Business GB 202 3 3
General Electives (Area I, II, III) 4 4

Electives 4 4

Totals 16 16

JUNIOR YEAR

Cost Accounting AC 351 3 3
Statistical Techniques II DS 208 3 3
Management & Organizational Theory MG 301 3 3
Principles of Finance FI 303 3 3

Principles of Finance FI 303 3 3

Principles of Finance FI 303 3 3
**Programming Systems—COBOL I, III**

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<td>Principles of Production Management</td>
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<td>DS 345</td>
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<td>Decisions DS 366</td>
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**PRODUCTION MANAGEMENT MAJOR**

Bachelor of Business Administration

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<td>MG 301</td>
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<td>Legal Environment of Business GB 202</td>
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<tr>
<td>Multivariate Statistics DS 416</td>
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<td>Operations Management DS 408</td>
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<td>Principles of Income Tax AC 401</td>
<td>3</td>
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<td>Operations Decisions and Controls DS 409</td>
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<td>Mechanics of Material EN 360</td>
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<td>GB 360</td>
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**SOPHOMORE YEAR**

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**DS DECISION SCIENCE**

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Course offerings

*Production Management Electives: Compensation Management, MG 406; Fluid Mechanics, EN 301; Labor Relations, MG 340; Labor Law, MG 330; Thermodynamics and Heat Transfer, EN 320.*

**College of Business**

Bachelor of Business Administration

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**Course offerings**

- Lower Division
  - DS 207 STATISTICAL TECHNIQUES FOR DECISION MAKING I (3-0-3) (F/S): Designed to provide an understanding and interpreting of the concepts and techniques pertaining to descriptive and inferential statistics. Statistics applications of such statistical concepts as the Binomial and normal distributions, interval estimates, and hypothesis testing are covered. PREREQ: M 106 or equivalent.
  - DS 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3) (F/S): 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. PREREQ: DS 207, IS 210.

- Upper Division
  - DS 345 PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3) (F/S): Management of the production function: analysis, design, planning and control of production processes, plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. PREREQ: MG 301.
DS 366 QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS (3-0-3)(F). Study of quantitative tools traditionally referred to as operations research techniques. Emphasis is on the illustration of the functional use of the techniques and how they assist the decision maker. Topics typically covered include linear programming and critical path analysis. PREREQ: MG 301, DS 345.

DS 408-408G OPERATIONS MANAGEMENT (3-0-3)(S). Quantitative tools needed in the operations and production management fields for effective decision making. The nature of the interactions between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning. PREREQ: DS 208, 366, MG 301.

DS 409-409G OPERATIONS DECISIONS AND CONTROLS (3-0-3)(F/S). Decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. Emphasis will be on presenting the tools in actual business applications. PREREQ: DS 208, MG 301.

DS 416 MULTIVARIATE STATISTICS (3-0-3)(F). Multivariate statistical techniques, which are useful in business decision-making, will be covered with emphasis on problem formulation and interpretation of the results. Typical topics include: general linear model, principal components, discriminant analysis, and factor analysis. PREREQ: DS 208.

FI FINANCE

Lower Division

FI 108 PERSONAL FINANCE (3-0-3)(F/S). Course addresses the growing complexity of financial decision making faced by the individual: how to avoid financial entanglements, installment buying, budgeting, money management, savings and investment alternatives, life, health, accident, and auto insurance; personal income taxes and estate planning.

FI 211 PRINCIPLES OF INSURANCE (3-0-3)(F/S). Fundamental legal principles involved in insurance contracts, company practices in relation to insurance management are stressed in the field of regulation on both the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability, and medical.

FI 250 INTRODUCTION TO SECURITIES AND SECURITIES MARKETS (3-0-3)(F/S). Topics include operation of the securities' markets in the US: sources of investment information, brokerage firms operation; the economics of direct investing; basic security analysis; commodities and futures markets; put and call options. PREREQ: AC 205 or PERM/INST.

Upper Division


FI 325 FINANCIAL MANAGEMENT I (3-0-3)(F/S). Study and theoretical analysis of the internal allocation of resources within the business firm and governmental agencies, including working capital management and policy, capital budgeting and investment analysis, risk analysis, financial planning and control. Instructional methods include the analysis of financial cases and financial modeling. PREREQ: FI 303, and DS 208.

FI 326 FINANCIAL MANAGEMENT II (3-0-3)(S). Critical analysis of different sources of funds, dividend policies, and capital markets. Special topics include refunding debt, social responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement text. PREREQ: FI 325.

FI 417-417G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F). Decision processes in the management of financial institutions. Institutions include banks, thrifts, insurance companies, investment firms, mortgage banking firms, finance companies and organizations involved in international finance. PREREQ: FI 303, EC 301.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3)(S). Strategies of investing in stocks, bonds, commodities, and stock options. Topics include risk-return relationships of various investments; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. PREREQ: DS 208, FI 205, and FI 303.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3). Designed to provide an 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.

IS COMPUTER INFORMATION SYSTEMS

Lower Division

IS 210 INTRODUCTION TO INFORMATION SCIENCE (3-0-3)(F). Management Information Systems is the framework tying decision makers together in an organization. This course must describe the system's development process including: (1) feasibility study; (2) requirements definition; (3) system alterna-

Upper Division

IS 360 PROGRAMMING SYSTEMS—COBOL I (3-0-3)(F/S). An introduction to COBOL programming in a business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation, and documentation of common business-oriented applications using BASIC. Discussion and application of top-down design strategies and structured programming techniques. PREREQ: IS 210.

IS 370 PROGRAMMING SYSTEMS—COBOL II (3-0-3)(S). A continuation of IS 360. Emphasis on structured methodology of program design, implementation, and documentation of business-oriented applications. Includes coverage of sequential and random access files. Processing techniques and development of programs and systems of programs for batch and interactive environments using advanced features. PREREQ: IS 360.

IS 405 DATA BASE APPLICATIONS (3-0-3)(F). Introduction to application program development in a database environment with an emphasis on loading, modifying and querying the database using a host language (COBOL). Discussion and application of data structures, file organizations, models of data including hierarchical, network, and relational. Discussion of storage devices and data administration. PREREQ: IS 370.

IS 420 SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F). Study of structured systems development. Emphasis on strategies and techniques of structured analysis and design to produce a logical methodology for dealing with complexity in the development of information systems; and to produce systems specifications and test plans for developing and implementing information systems that satisfy user requirements. PREREQ: IS 370.

IS 430 SOFTWARE DESIGN (3-0-3)(S). Application of computer programming and system development concepts, principles and practices to a comprehensive system development project. A team approach is used to analyze, design and document realistic systems of moderate complexity. Use of project management methods, scheduling and control techniques, formal presentations and group dynamics. PREREQ: IS 420.
Department of Management

Business Building, Room 313 Telephone (208) 385-1313
Chairman and Professor: Bong-Gon Shin; Professors: Phillips, White, Wilterding; Associate Professors: Bigelow, Glen, Kettewell, Waldorf, Wines; Assistant Professor: Bixby.

Majors offered
General Business Management (Options in Aviation, Behavioral, and Industrial Relations.)

Recommended programs
GENERAL BUSINESS MAJOR
Bachelor of Business Administration

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SOPHOMORE YEAR

| Principles of Economics (Area II) | 3 |
| Intro Financial & Managerial Acct. EC 201-202 | 3 |
| AC 205-206 | 3 |
| Statistical Techniques I, II DS 207, 208 | 3 |
| Intro to Information Science IS 210 | 3 |
| Legal Environment of Business GB 202 | 3 |
| General Electives (Area I, II, III) | 3 |
| Totals | 16 | 17 |

JUNIOR YEAR

| Principles of Marketing MK 301 | 3 |
| Management & Organizational Theory MG 301 | 3 |
| Intermediate Microeconomics EC 303 | 3 |
| Principles of Finance FI 303 | 3 |
| Intermediate Macroeconomics EC 305 | 3 |
| Principles of Transportation GB 325 | 3 |
| Principles of Production Management DS 345 | 3 |
| Statistical Techniques II DS 208 | 3 |
| Business Communications AS 328 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 18 | 16 |

SENIOR YEAR

| Airport Management AV 331 | 3 |
| Airline and Air Cargo Management AV 351 | 3 |
| Aviation Law AV 371 | 3 |
| Business Ethics and Social Responsibility GB 360 | 3 |
| Organizational Behavior MG 401 | 3 |
| Government and Business GB 441 | 3 |
| Business Policies GB 450 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 16 | 17 |

MANAGEMENT MAJOR
BEHAVIORAL OPTION
Bachelor of Business Administration

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SOPHOMORE YEAR

| Principles of Economics (Area II) | 3 |
| Intro Financial & Managerial Acct. EC 201-202 | 3 |
| AC 205-206 | 3 |
| Statistical Techniques I, II DS 207, 208 | 3 |
| Intro to Information Science IS 210 | 3 |
| Legal Environment of Business GB 202 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 16 | 17 |

JUNIOR YEAR

| Principles of Marketing MK 301 | 3 |
| Management & Organizational Theory MG 301 | 3 |
| Intermediate Microeconomics EC 303 | 3 |
| Principles of Finance FI 303 | 3 |
| Intermediate Macroeconomics EC 305 | 3 |
| Principles of Transportation GB 325 | 3 |
| Principles of Production Management DS 345 | 3 |
| Statistical Techniques II DS 208 | 3 |
| Business Communications AS 328 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 16 | 16 |

MANAGEMENT MAJOR
AVIATION OPTION
Bachelor of Business Administration

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SOPHOMORE YEAR

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| AC 205-206 | 3 |
| Statistical Techniques I, II DS 207, 208 | 3 |
| Intro to Information Science IS 210 | 3 |
| Legal Environment of Business GB 202 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 16 | 17 |

JUNIOR YEAR

| Principles of Marketing MK 301 | 3 |
| Management & Organizational Theory MG 301 | 3 |
| Intermediate Microeconomics EC 303 | 3 |
| Principles of Finance FI 303 | 3 |
| Intermediate Macroeconomics EC 305 | 3 |
| Principles of Transportation GB 325 | 3 |
| Principles of Production Management DS 345 | 3 |
| Statistical Techniques II DS 208 | 3 |
| Business Communications AS 328 | 3 |
| General Electives (Area I, II, III) | 3 |
| General Electives | 3 |
| Totals | 16 | 16 |

College of Business

93
College of Business

SENIOR YEAR

Compensation Management MG 406 .......................... 3
Financial Management FI 325 .......................... 3
Government and Business GB 441 .......................... 3
Sociology of Work SO 361 .......................... 3
Organizational Behavior MG 401 .......................... 3
Advanced Management MG 405 .......................... 3
Business Policies GB 450 .......................... 3
General Electives ...................................... 6 3
Totals 15 15

MANAGEMENT MAJOR

INDUSTRIAL RELATIONS OPTION

Bachelor of Business Administration

1st SEM 2nd SEM

FRESHMAN YEAR

English Composition E 101-102 .............................. 3 3
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Mathematics (Area III) M 105-106 or M 111-204 .... 4
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Totals 16 17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201-202 ................. 3 3
Intro Financial & Managerial Acct. AC 205-206 ............ 3 3
Statistical Techniques I DS 207 .......................... 3
Introduction to Information Science IS 210 ................. 3
Legal Environment of Business GB 202 ....................... 3 3
General Electives (Area I, I, II) .......................... 3 6
Totals 15 15

JUNIOR YEAR

Principles of Marketing MK 301 .......................... 3
Management & Organizational Theory MG 301 ................. 3
Principles of Finance FI 303 .......................... 3
Labor Economics EC 327 .......................... 3
Intermediate Macroeconomics EC 305 ......................... 3
Personnel Administration MG 305 .......................... 3
Labor Relations MG 340 .......................... 3
Business Communications AS 328 .......................... 3
General Electives .......................................... 6
General Electives (Area I, II, III) .......................... 4
Totals 18 16

SENIOR YEAR

Compensation Management MG 406 .......................... 3
Labor Law MG 330 .......................... 3
Government and Business GB 441 .......................... 3
Principles of Production Management DS 345 ................. 3
Advanced Management MG 405 .......................... 3
Collective Bargaining MG 415 .......................... 3
Organizational Behavior MG 401 .......................... 3
Business Policies GB 450 .......................... 3
General Electives .......................................... 4 3
Totals 16 15

Course offerings

AV AVIATION MANAGEMENT

Lower Division

AV 201 COMMERICAL PILOT GROUND SCHOOL (3-0-3)(F). Study of weather, navigation, radio communications, federal aviation-agency 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)(F/S). 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)(F/S). 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)(F/S). 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 371 AVIATION LAW (3-0-3)(F/S). An overview of fundamental aviation law decisions. A chronological coverage of air law, federal and state regulatory functions, liens and security interest in aircraft is emphasized.

AV 450 COLOQUILUM IN GENERAL AVIATION (3-0-3)(S). Selected readings and topics on current problems in general aviation. Contact with representatives working in general aviation is advocated. Included in the course is consideration of general aviation equipment, the use of general aviation aircraft as a business tool. The operation and management of fixed base operations. PREREQ: Senior aviation major or PERM/INST.

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, economics, finance, 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 external and internal 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 responsibilities 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)(F/S). 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 historical development, operations, pricing and legal controls and obligations of firms engaged in transportation services.

GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3)(F). An 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 441-441G GOVERNMENT AND BUSINESS (3-0-3)(F/S). 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 are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: GB 202.

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, DS 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, recruitment, 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 MANAGEMENT AND ENTREPRENEURSHIP (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 330 LABOR 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 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 405 ADVANCED MANAGEMENT (3-0-3)(F/S). Focusing on contemporary issues in management, this course includes such topics as management of change, organizational development, the use of computer technology in management, and improvement of productivity. PREREQ: MG 301.

MG 405 ADVANCED MANAGEMENT (3-0-3)(F/S). Focusing on contemporary issues in management, this course includes such topics as management of change, organizational development, the use of computer technology in management, and improvement of productivity. PREREQ: MG 301.

MG 415 COLLECTIVE BARGAINING (3-0-3)(F). 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.

Department of Marketing & Administrative Services

Business Building, Room 306
Telephone (208) 385-3356
Chairman and Associate Professor: Douglas J. Lincoln; Professors: Clark, Cornwell, Knowlton, Manship, Scudder; Associate Professors: Bounds, Lane, McCain.

Majors offered

Business Education with emphasis in:
- Administrative Services
- Distributive Education
- Shorthand
- Marketing
- Marketing-Mid-Management (2-year degree)

Recommended programs

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**MARKETING MAJOR**

**Bachelor of Business Administration**

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<td>Management &amp; Organizational Theory MG 301</td>
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<td>Consumer Behavior MK 307</td>
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<td>Marketing Electives</td>
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<td>Principles of Production Management DS 345</td>
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<td>Marketing Research MK 415</td>
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<td>Economics Electives (Upper Division)</td>
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**MARKETING—MID-MANAGEMENT MAJOR**

**Associate of Science**

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<tr>
<th>Course</th>
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<td>Principles of Economics-Macro EC 201</td>
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<td>Principles of Economics-Micro EC 202</td>
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<td>Principles of Advertising MM 203</td>
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<td>Retail Merchandising MM 204</td>
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**Course offerings**

**AS ADMINISTRATIVE SERVICES**

**Lower Division**

AS 213 WORD PROCESSING/MACHINE TRANSCRIPTION 92-0-0(F/S). The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, memos, new releases, months, itineraries, and reports. PREREQ: OF 104 (Typing III).

AS 215 WORD PROCESSING APPLICATIONS 92-0-0(F/S). Computerized document creating. Emphasis on creation, storage, and information processing applications. COREQ: OF 104 (Typing III).

**Upper Division**

AS 309 RECORDS MANAGEMENT 3-0-0(F). 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 decisions will be stressed.

AS 310 PRINCIPLES OF ADMINISTRATIVE SERVICES 3-0-0(F). Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them.

AS 315 PRINCIPLES OF WORD PROCESSING 3-0-0(F). Principles of computerized word processing. Feasibility studies, organization and structure, input-output equipment, personnel and training, measurement and control and reproofs. Communications within and outside the organization using computers.

AS 317 OFFICE MANAGEMENT 3-0-0(F). Introduction to the area of information management. Functions of office management include areas such as production, environmental analysis, systems analysis and personnel administration.

AS 328 BUSINESS COMMUNICATION 3-0-0(F). 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 3-0-0(F). 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.
BE BUSINESS EDUCATION

BE 401 METHODS IN BUSINESS EDUCATION (3-0-3)(F). Methods and materials of instruction in business subjects at the secondary and post-secondary levels. Methods of teaching the adult learner. Application of principles of learning and teaching to business education. Must be taken prior to student teaching.

BE 409 METHODS AND MATERIALS IN DISTRIBUTIVE EDUCATION (2-0-2)(F). Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Organization and administration of vocational student groups.

BE 411 CONSUMER EDUCATION IN THE SCHOOLS (3-0-3)(S). For students preparing to teach consumer related topics. To introduce prospective teachers to teaching methodology appropriate to Consumer Education. Learning materials and resources will be identified and reviewed. PREREQ: Senior level or PERM/INST.

BE 421 BUSINESS CURRICULUM AND METHODS SEMINAR (3-0-3)(S). Coverage of current issues and methods in business education, curriculum, research, vocational guidance, and the handicapped student. Includes counseling responsibilities, curriculum development, teaching the disadvantaged and handicapped, and modifying vocational programs for students with special needs. Individual research and presentation emphasized.

BE 441-441G PRINCIPLES AND ORGANIZATION OF VOCATIONAL EDUCATION PROGRAMS—JOB ANALYSIS (3-0-3)(F). Philosophy, history, purpose and organization of Vocational Education programs. Occupational analysis to include nature and use of vocational information, labor force opportunities, labor market analysis, job analysis, job descriptions, and job requirements.

BE 443-443G ADMINISTRATION AND COORDINATION OF COOPERATIVE PROGRAMS (3-0-3)(S). Selection, guidance, placement, supervision and follow-up of students in training stations. Responsibilities of good public relations, organization, maintenance, and utilization of advisory committees. Vocational youth groups, including philosophy, establishment, leadership styles, financing, activities, and contests.

BE 471 BUSINESS STUDENT TEACHING (8-0-8)(F/S). Supervised teaching under the direction of qualified business and teacher-education specialists. PREREQ: BE 401 and PERM/INST.

MK MARKETING

MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Marketing consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; determining the product, price, promotion, 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 purchase and consumption of goods or services. Individual as well as group reaction in social science research is evaluated. PREREQ: MK 301.


MK 415-415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project. PREREQ: DS 208 and MK 301.

MK 421 SALES ADMINISTRATION (3-0-3)(F/S). Management and integration of sales organizations, emphasizing recruiting, selection, training, supervision, compensation of salesmen. Stress also placed on coordination with other functional managers, ethics and social responsibilities of the sales manager. PREREQ: MK 301.


MM MARKETING—MID-MANAGEMENT

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 service field as a paid employee. Student is evaluated by both the employer and the program coordinator.
College of Education

Dean: Richard L. Hart, Ed.D.
Associate Dean: Lamont S. Lyons, Ed.D.
College of Education Emeriti: Burtch, Chatburn, Fairchild, Hill, Marks, McBirney, Smith, Smith

Philosophy

The faculty of the College of Education represents diverse and dynamic backgrounds and serves students from an extended community reaching far beyond the boundaries of Idaho. The faculty addresses this extended community in varied functions both on and off campus. The work of the faculty reflects an active appreciation for development of the whole person and includes attention to the intellectual, physical, social and emotional needs of students. A key precept underlying all activities is the promotion of learning as a lifelong activity.

Course work is offered in both professional and academic areas. The academic course work is designed to acquaint students with historical, philosophical, and theoretical aspects of Education and Psychology, and to help them appreciate and use scientific thinking as a tool for viewing human behavior in a more sophisticated and effective manner. Professional course work and experiences are directed primarily toward the mastery of skills needed by teachers in the elementary and secondary schools.

Coordination of Programs in Teacher Education

Teacher Education programs at Boise State University are interdisciplinary in nature; hence, coordination of programs is essential. The development and operation of individual programs is the specific responsibility of the appropriate department with the College of Education serving as the overall controlling organization. Within this pattern of administration the Council for Coordination of Teacher Education Program has the following functions: (1) to coordinate programs involving two or more departments; (2) to review proposals, policies, and procedures involving two or more departments, and to make recommendations for action; and (3) to consider procedures for following-up of graduates and to assess needs for Teacher Education. Membership for the Council comes from the departments associated with the Teacher Education program.

Counseling and Testing Services

The Counseling and Testing Center is designed to help BSU students who have personal, educational, vocational, and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student’s concerns. This service is based on the premise that many normal individuals have, at times, problems they cannot resolve alone. The student may concentrate on a specific problem or may work on improving adjustment to academic life. Psychological and career tests may be used for self-evaluation and information.

Any half-time (6 credits or more) or full-time student is eligible for counseling or testing. Appointments may be made by telephone (208) 385-1601, or in person at the Counseling and Testing Center, 6th floor, Education Building.
Department of Health, Physical Education & Recreation

Gymnasium, Room 209  Telephone (208) 385-1570

Chairman and Professor: Bill C. Bowman; Professors: Button; Associate Professors: Lewis, Murray, Vaughn; Assistant Professors: P. Bowman, Boyles, Connor, Fahleson, Pfeiffer, Spitzer, Thorngren, Wallace; Instructor: Miller; Special Lecturers: Carringer, Collins, Craner, Hampton, Head, Shaver, Van Wassenhove, Welker, Young; Educational Consultants: Jacoby, Priest, Wade, Young.

Majors offered

Physical Education, Secondary Education
Physical Education, Non-Teaching Option

Department Statement

The undergraduate professional preparation programs of the Department of Health, Physical Education and Recreation lead to a Bachelor of Science degree in Physical Education. The two options in major degree programs have the following purposes:

1. Secondary Education Option—for those who wish to qualify for teacher certification.
2. Non-Teaching Option—for those who wish to prepare for physical education related careers which do not require teacher certification.

Three supporting fields, or broad divisions within the total professional preparation program, are also available:

1. School Physical Education—Areas of emphasis generally related to public school physical education instruction.
2. Sport Science—Areas of emphasis generally related to organized competitive athletics at all levels.
3. Commercial/Industrial Physical Education—Areas of emphasis generally related to private—commercial or industrial physical education related professions.

Areas of emphasis—areas with major curriculum requirements in addition to a common core—are provided for various combinations of major and supporting field:

1. Physical Education Grades K-6—for those who wish to become elementary school physical education specialists.
2. Physical Education Grades 7-12—for those who wish to become junior/senior high school physical education specialists.
3. Health Education—for those physical education majors who wish a strong minor in health education and who meet certification standards for physical education and health teachers.
4. Corrective/Adaptive Physical Education—for those who interests are in developing and implementing physical education programs for special populations such as the mentally retarded, physically disabled, socially and emotionally maladjusted or deviant and for the elderly.
5. Athletic Coaching—for those who wish to have special preparation for public school or college coaching careers.
6. Athletic Training—for those who wish to prepare for National Athletic Trainers Association Certification Examination and qualify for positions as athletic trainers in public schools, college or professional sports or sports medicine clinics.
7. Biomechanics—for those who wish to develop an improved understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
8. Exercise Physiology—for those who desire a physical education degree with a strong emphasis in the biological sciences as preparation for graduate school or for employment in fitness related fields.
9. Sport Communication—for those who wish to prepare for employment as sports information directors, sports broadcasting, etc.
10. Commercial Fitness—for those who wish to prepare as fitness experts in commercial fitness centers.
11. Industrial Fitness—for those who wish to develop and implement total fitness programs connected with industrial companies and corporations.
12. Business—for those who wish to prepare for an organizational or administrative position in a physical education related field.

Minor fields of interest are related to some areas of emphasis in such a way that specific courses may be included to help prepare the graduate for a specific job such as strength coach; audio-visual technician in sports; equipment technician; physical education in correctional institutions; physical education for the elderly or socially deviant; etc.

Department Admission Requirements

Admission to Upper Division Standing: The purpose of these admission policies is to provide the student an opportunity to be evaluated by Physical Education Department faculty prior to enrollment in upper division PE classes. Students must make formal application to the PE Major Selection Committee for admission to upper division standing. Applications must be submitted at the beginning of the second semester, sophomore year. Application deadlines will be posted each semester.

The Selection Committee, composed of four PE faculty and two upper division PE majors (the PE Club President and an at-large upper division student appointed by the Department Chairperson), will review each application.

Application criteria are:

1. The student's total credit hours (including current course load) must exceed 57 credit hours.
2. The student must have completed each of the following classes with a grade of C or better. (Application may be made whenever the student is enrolled in the last of the courses listed.)
   - PE 101 Foundations of PE
   - PE 117 Sports Skills
   - PE 122 Advanced First Aid

3. The student's overall GPA at the time of application will determine acceptance to upper division standing as indicated below.
   a. 2.50 or above = unconditional acceptance
   b. 2.00 to 2.49 = provisional acceptance
   c. below 2.00 = denial

4. In addition, each PE Department faculty member will have an opportunity to submit, in writing, recommendations as well as reservations regarding:
   a. the student's involvement in professional activities (e.g., the PE Major's Club, departmental projects, etc.);
   b. the student's skill level, considering both academic and physical skills;
   c. the student's commitment to becoming a professional physical educator.

Such letters must be signed by the faculty member and will be kept in the student's file available to the student upon request.

The Selection Committee will review each application file and the student will be granted unconditional acceptance, provisional acceptance or denial of upper division standing.

Unconditional Acceptance: (A GPA greater than or equal to 2.50)

The committee has no major reservations regarding the student's
academic achievements, departmental involvement, or professional commitment. The student may enroll in upper division PE classes.

Provisional Acceptance: (A GPA between 2.00 and 2.49) The committee has concerns regarding the student's academic performance, physical skill level, departmental involvement, and/or professional commitment. These concerns will be provided in writing to the student and the advisor. The student may enroll in upper division PE classes but is expected to remediate each of the committee's concerns.

Denial: (A GPA less than 2.00) The committee has serious reservations regarding the student's academic status, physical skills, departmental involvement, and/or professional commitment. The committee's concerns will be provided to the student in writing. The student will not be allowed to enroll in upper division PE classes. Students receiving denial status should reconsider their plans to enter the physical education profession.

If the student wishes to continue to pursue a degree in physical education, he/she must first remediate all the committee's concerns to the committee's satisfaction before upgrading to provisional acceptance can occur.

A student receiving a denial is entitled to an interview with the committee at which time corroborating evidence may be presented. Interview requests must be made in writing to the Committee Chairperson within fourteen days following written notice of denial to upper division standing.

Following the initial appeal to the committee, unsatisfied students may then follow the university appeal process as detailed in the BSU Student Handbook.
Area III Core .................................................. 4
General Electives ............................................. 2
Course offerings

PE PHYSICAL EDUCATION

Lower Division

PE 100 HEALTH EDUCATION (3-0-3). Covers nutrition, diseases, health needs, services, drugs, family living and personality structure and development. Aids student adjustment toward effective functioning in a changing environment. Required of all PE majors.

PE 101 FOUNDATIONS OF PHYSICAL EDUCATION (3-0-3)(F). Instruction in physical education program offerings and requirements at BSU. Emphasis on an understanding of what is involved in the profession, including: interaction of humanities, exercise physiology, kinesiology, psycho-social aspects and human growth and motor development as related to physical education. Required of all PE majors.

PE 103 INTRODUCTION TO RECREATION (2-0-2)(S). Instruction in the growth and development of recreation education and its role in present-day society. Offered odd numbered years.

PE 113 RHYTHMIC SKILLS (0-2-1). Professional activity. Instruction and practice in rhythmic skills, (locomotor, non-locomotor, and manipulative), emphasizing fundamental and practical application. Required of all PE majors.

PE 115 TUMBLING SKILLS (0-2-1). Professional activities. Instruction and practice in tumbling skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 117 SPORTS SKILLS (0-2-1). Professional activities. Instruction and practice in sports, skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 120 TRAINING ROOM PROCEDURES (0-2-1)(F/S). Instruction in basic skills and the multi-media approach to first aid and CPR training.

PE 121 STANDARD FIRST AID & CPR (1-2-1)(F/S). Instruction in and application of basic skills and the multi-media approach to first aid and CPR training.


PE 123 FIRST AID INSTRUCTOR TRAINER COURSE (1-2-1)(S). Instruction in methods of teaching CPR and Standard First Aid. Offered spring on odd numbered years.

PE 143 VOLLEYBALL (0-2-1). Professional activities. Instruction and practice in volleyball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 144 BASKETBALL (0-2-1)(F/S). Professional activity. Instruction and practice in basketball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 203 RECREATIONAL ACTIVITIES (2-0-2)(F). Materials, methods and teaching progression in recreational activities for special groups and special situations. Offered in the fall on odd numbered years.

PE 205 HUMAN GROWTH AND MOTOR DEVELOPMENT (2-0-2)(F). Instruction for an understanding of the existing body of knowledge regarding human growth and motor development. Required of all PE majors.

PE 212 TRACK AND FIELD (0-0-2). Professional activities. Instruction and participation in track and field events for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 217 WRESTLING (0-2-1). Professional activities. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 218 RHYTHMIC GYMNASTICS (0-2-1)(F). Professional activity. Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, skill progressions, conditioning and practical application. Offered in fall on odd numbered years.


PE 236 INTRODUCTION TO ATHLETIC INJURIES (2-0-2)(F/S). Instruction in athletic training care, prevention and rehabilitation. The role of the athletic trainer, qualification and responsibilities as they relate to physical education and athletics, control and care of injuries. PREREQ: PE 230.

PE 254 SPORT OFFICIATING (2-0-2). Instruction in officiating sports for development of skills and application of methods to sports.

PE 282 ADVANCED LIFESAVING (2-0-1)(F). Instruction and participation in lifesaving skills. ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 500 yards.

PE 283 WATER SAFETY INSTRUCTOR'S COURSE (1-2-2)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC advanced lifesaving certificate and ARC swimming level of skill.

PE 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

PE 293 INTERNSHIP (1-3 credits)(F/S). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in a school setting. Required in some options.

Upper Division

PE 303 INTRAMURAL ORGANIZATION (2-0-2)(F). Instruction in organization and administration of intramural activities. Offered in the fall on odd numbered years. PREREQ: Junior standing.

PE 304 SECONDARY SCHOOL PE METHODS (2-0-3)(S). Instruction and participation in methods of teaching secondary school PE, including practical application of teaching models and theories, instructional analysis and performance objectives, lesson plans and curriculum writing. Laboratory observation and participation in public schools. PREREQ: Junior standing.


PE 309 EVALUATION IN PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in basic mathematical concepts related to statistical analysis, philosophy of evaluation and test construction, administration and interpretation. Required of all PE majors. PREREQ: Junior Standing.

PE 311 BIOMECHANICS (2-2-3)(F/S). Instruction in the application of principles of mechanics to the study of human motion in sports and exercise. Required of all PE majors. PREREQ: Junior Standing, PE 230.

PE 313 CONDITIONING PROCEDURES FOR SPORTS (1-2-2)(F/S). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: PE 310.


PE 320 COACHING WRESTLING (2-2-3)(S). Instruction in methods of coaching wrestling, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing. Offered in the spring on odd numbered years.

PE 323 COACHING BASKETBALL (2-2-3)(F). Instruction in methods of coaching basketball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 324 COACHING BASEBALL (2-2-3)(S). Instruction in methods of coaching baseball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 325 COACHING VOLLEYBALL (2-2-3)(F). Instruction in methods of coaching volleyball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 326 COACHING TENNIS (2-2-3)(S). Instruction in methods of coaching tennis, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing. Offered in spring on even numbered years.

PE 327 COACHING TRACK AND FIELD (2-2-3)(S). Instruction in methods of coaching track and field emphasizing fundamentals, conditioning, meet organization and administration and practical application. PREREQ: Junior Standing.

PE 336 COACHING WOMEN'S GYMNASTICS (2-2-3)(F). Instruction in methods of coaching women's gymnastics emphasizing fundamentals, skill progressions, safety, conditioning and practical application. PREREQ: Junior standing, PE 115. Offered in fall on even numbered years.

PE 341 SECONDARY SCHOOL DANCE METHODS (2-0-2)(F). Instruction in methods of teaching social, folk, square, rounds, mixers, and aerobic dance. Offered in the fall on even numbered years.

PE 357 DANCE FOR CHILDREN (2-0-2)(S). Instruction in the analysis of fundamental development of skills and applicational methods in teaching dance to children. Offered on odd numbered years.

PE 361 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS (3-0-3)(F/S). Instruction in methods of teaching elementary school physical education. Emphasizes movement needs, analysis and development of skills and practical application. PREREQ: Junior standing.

PE 369 MOTOR PROGRAMMING FOR SPECIAL POPULATIONS (2-0-2)(F). Instruction in motor growth and development, identification, assessment, pres-
PREREQ: Junior standing, PE 361.

PE 402G ATHLETIC TRAINING (3-3-3) Instruction in advanced theory and application of athletic training for student pursuing a career as professional athletic trainer. PREREQ: PE 236, 331. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (2-0-2). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, and electrical modalities. PREREQ: Junior standing. PE 236, 311. Offered in the fall on even numbered years.

PE 405 CONSUMER HEALTH (2-0-2). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing quackery awareness, consumer protection laws and organizations and health insurance considerations. PREREQ: Junior standing. Offered in the spring on even numbered years.

PE 415 SCHOOL HEALTH PROBLEMS AND METHODS (3-0-3). Instruction in current issues and trends in health programming and education, emphasizing topic sequence, individual and social health problems and methods of teaching health in the elementary and secondary schools. PREREQ: Junior standing.

PE 422 INJURY EVALUATION (2-0-2). Instruction in theory and application of basic passive and functional examination of traumatic conditions resulting from sports participation, emphasizing specific examination techniques. Offered in the fall on odd numbered years.

PE 430 COACHING-NATURE OF THE PROFESSION (2-0-2). Nature of the coaching profession with emphasis on the functions of the coach in the interscholastic athletic program. PREREQ: PE 304.

PE 433 LEISURE COUNSELING (2-0-2). Instruction in meeting needs of a more free-time society through fitness, social, artistic, community and learning activities. Offered in the spring on even numbered years.

PE 451 ADAPTED PHYSICAL EDUCATION (3-0-3). Survey of common differences and diversencies of people, emphasizing analysis of conditions, program development, and teacher responsibility. PREREQ: PE 230, 310.

PE 457 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3-0-3). Instruction in organization and administration of school physical education, health education, commercial/industrial, and sports programs. Required of all PE majors. PREREQ: Junior standing.

PE 481 FACILITIES AND EQUIPMENT (2-0-2). Instruction in physical education and athletic facility and equipment care and planning, emphasizing needs, codes, materials, space requirements, equipment and supply purchase and care and computer programming.

PE 493 INTERNSHIP IN PHYSICAL EDUCATION (1-6 Credits). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in a school setting. Required in some options. PREREQ: Coaching methods class. PE 230, 310.

FA FITNESS ACTIVITY

The Fitness Activity Program provides for beginning, intermediate and advanced levels of instruction in a variety of activities to meet the needs and interests of the student. The courses meet two hours per week for one semester. One credit will be granted for successful completion of the course. Eight credits of fitness activity courses may be counted as electives toward graduation. No course may be repeated for credit.* No fitness activity course may be challenged for credit. All fitness activity courses are graded pass/fail whereby credit earned will count toward graduation but will earn no quality points to be used in calculation of the grade point average. Fitness activity course numbers provide the following information:

1. The first digit indicates skill level (I, II, III):
   - LEVEL I courses are designed for the beginner who has had little or no instruction in the activity.
   - LEVEL II is for the individual who has command of basic skills and is of intermediate performance level.
   - LEVEL III is for the individual who has command of intermediate skills and is ready for emphasis on advanced game strategies and skills.

2. The second digit indicates the activity classification (1—aquatics, 2—dance, 3—individual sports, 4—martial arts, 5—outdoor pursuits, 6—personal fitness, 7—racquet and court sports, 8—team sports, 9—participation sports).

3. The third digit indicates the specific activity (example: 1—kayaking, 2—skin and scuba diving, etc.)

*FA 162 Adapted Physical Education may be repeated for credit.

FA 111 KAYAKING AND RAFTING (I-0-2). Basic skills of kayaking and rafting. Covers safe handling, self-rescue skills, and helping or rescuing others. Students must be able to maintain themselves in deep water, fully clothed, for ten minutes. Special fee required. (Pass/Fail).

FA 112 SKIN AND SCUBA DIVING I (0-2-1). Basic skin and scuba diving skills. Proper use of mask, fins and snorkel, mechanical use of equipment, safety techniques, and panic control are stressed. Students must swim 500 yards, tread water for 15 minutes and carry a ten pound weight 25 yards. Certification is optional. Special fee required. (Pass/Fail).

FA 113 SWIMMING I (0-2-1). Basic water safety, skill and knowledge; floating; bobbing, diving, rhythmic breathing, treading water, and introduction to the crawl, side and elementary backstroke. For students who do not know how to swim. (Pass/Fail).

FA 121 BALLET I (0-2-1) (Coed). A structured class in the basics of classical dance (Barre) work and technique with historical background stressed. Designed as a tool to help students gain strength and agility. (Pass/Fail).

FA 122 FOLK DANCE I (0-2-1). Instruction and participation in techniques and application of basic steps and patterns used in folk dances from different countries. (Pass/Fail).

FA 123 MODERN DANCE I (0-2-1). Opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression, improvement of flexibility, balance, coordination, and relaxation by using modern dance techniques and movement exploration. (Pass/Fail).

FA 124 SOCIAL DANCE I (0-2-1). Instruction and participation in dance fundamentals including: waltz, polka, jitterbug, fox trot, western swing, cha cha, samba, tango, foxtrot, round dances, and mixers. (Pass/Fail).

FA 131 ARCHERY I (0-2-1). Provides the beginning archer with instruction and participation in fundamental techniques of archery; target, field, clout, bow hunting, novelty, etc. (Pass/Fail).

FA 133 BOWLING (0-2-1). Instruction and participation in bowling for development of fundamental skills, rules, handicaps, and scorekeeping. Special fee required. (Pass/Fail).

FA 134 FENCING I (0-2-1). Instruction and participation in fencing for development of basic skills and techniques. (Pass/Fail).

FA 135 GOLF I (0-2-1). Instruction and participation in golf for development of fundamental skills, rules, and proper etiquette of the game. Special fee required. (Pass/Fail).

FA 136 GYMNASTICS I (0-2-1) (Coed). Instruction and participation in gymnastics for development of fundamental skills and spotting and safety techniques. (Pass/Fail).

FA 141 DEFENSIVE TACTICS I (0-2-1). Defense against one or more persons arrest, control devices, and individual group tactics. For criminal majors only. G required. (Pass/Fail).

FA 142 JUDO I (0-2-1). Principles and philosophy of judo and techniques of falling, throwing and grappling. GI required. (Pass/Fail).

FA 143 KARATE I (0-2-1). Presentation of techniques based on the theory of energy conservation. Exercises coordinating the mental and physical powers, possessed by every human being. GI required. (Pass/Fail).

FA 144 SELF-DEFENSE I (0-2-1). Defensive tactics of Aikido, judo, and karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Implementation of coordination and condition of the participant. GI required. (Pass/Fail).

FA 151 ALPINE SKIING I (0-2-1). Basic skills and techniques of alpine skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).

FA 152 BACKPACKING, CAMPING, AND SURVIVAL SKILLS I (0-2-1). Fundamental skills in backpacking, overnight camping, and basic survival, includes choice and care of equipment, camping sites, outdoor cooking skills, and navigation. Students furnish equipment and transportation. (Pass/Fail).

FA 153 CROSS COUNTRY SKIING I (0-2-1). Basic skills and techniques of cross-country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).

FA 154 FLYCASTING AND STREAM STRATEGY I (0-2-1). Techniques of flyfishing, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of catching and releasing of warm water, cold water, and anadromous fishes. Students furnish equipment and transportation. (Pass/Fail).

FA 155 FLYTYING I (0-2-1). A practical orientation and application of flyfishing skills, for the beginning or experienced fly tier. The course will focus on tying dry and wet flies, damselflies, bactrians and streamers. Special fee required. (Pass/Fail).

FA 156 TRAP AND SKEET SHOOTING I (0-2-1). A course in fundamental skills of shotgun shooting. Sighting procedures, gun parts, care of equipment, and safety are stressed. Shotgun trap loading is also taught. Students will furnish shotgun shells, and trap range fees. (Pass/Fail).

FA 161 AEROBIC DANCE I (0-2-1). Instruction and participation in aerobic dance for the development of cardiovascular and neuromuscular fitness. (Pass/Fail).
FA 162 ADAPTED PHYSICAL EDUCATION I (0-2-1). Adaptive and corrective exercise programs to aid men and women who are unable to participate in a regular activity class. Course is individualized to meet the special needs of the individual. The course may be repeated for credit. (Pass/Fail)

FA 163 JOGGING I (0-2-1). Instruction and participation in beginning endurance running. The student will be tested and placed in a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardio-respiratory system. (Pass/Fail)

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail)

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness. (Pass/Fail)

FA 166 YOGA AND STRESS MANAGEMENT I (0-2-1). Introduction to yoga theory, practice, and tradition; introduction to stress/distress theories; in-depth practice of Hatha Yoga postures; in-depth breath control (abdominal breath.) (Pass/Fail)

FA 171 BADMINTON I (0-2-1). Instruction and participation in badminton to encourage skill development, understanding, and appreciation of the game. (Pass/Fail)

FA 172 RACQUETBALL I (0-2-1). Instruction and participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures. (Pass/Fail)

FA 173 TENNIS I (0-2-1). Instruction and participation in tennis for development of fundamental skills, rules, and basic strategy. (Pass/Fail)

FA 181 BASKETBALL I (0-2-1). Instruction and participation in basketball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail)

FA 182 SOFTBALL I (0-2-1). Instruction and participation in softball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail)

FA 186 VOLLEYBALL I (0-2-1). Instruction and participation in volleyball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail)

FA 190 CLUB SPORTS I (0-2-1). Instruction and participation in club sports approved by the BSU Student Senate. Club advisor's approval required. (Pass/Fail)

FA 191 VARSITY SPORTS I (0-2-1). Instruction and participation in BSU Department of Athletic's approved sports. Coach's approval required. (Pass/Fail)

FA 213 SWIMMING II (0-2-1). Instruction and participation in swimming for development of intermediate skills and techniques. Instruction in self-rescue skills, games, diving, and contests. Students must be able to swim 50 yards. (Pass/Fail)

FA 222 FOLK DANCE II (0-2-1). Instruction and participation in folk dance for development of advanced skills. (Pass/Fail)

FA 223 MODERN DANCE II (0-2-1). Instruction and participation in modern dance for development of flexibility, balance, coordination and movement, control leading to dance choreography and production work. PREREQ: FA 123. (Pass/Fail)

FA 224 SOCIAL DANCE II (0-2-1). Instruction and participation in social dance for development of waltz, cha-cha, fox trot, tumba, tango, lindy, western swing, folk, square, and various novelty dances. (Pass/Fail)

FA 233 BOWLING II (0-2-1). Participation in bowling for development of intermediate skills and techniques. Special Fee required. PREREQ: FA 133 (Pass/Fail)

FA 235 GOLF II (0-2-1). Instruction and participation in golf for development of intermediate skills and techniques. Special fee required. PREREQ: FA 135. (Pass/Fail)

FA 236 GYMNASIUMS II (0-2-1)(Coeed). Instruction and participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. PREREQ: FA 136. (Pass/Fail)

FA 242 JUDO II (0-2-1). Instruction and participation in judo for those seeking advanced degrees. Girequired. PREREQ: FA 142 (Pass/Fail)

FA 243 KARATE II (0-2-1). Instruction and participation in karate for development of advanced skills and techniques. Gi required. PREREQ: FA 143. (Pass/Fail)

FA 244 SELF-DEFENSE II (0-2-1). Instruction and participation in advanced defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Gi required. PREREQ: FA 144. (Pass/Fail)

FA 255 WEIGHT TRAINING II (0-2-1). Instruction and participation in progressive body-building and conditioning exercise with resistance for development of intermediate skills. PREREQ: FA 165. (Pass/Fail)

FA 272 RACQUETBALL II (0-2-1). Instruction and participation in racquetball for development of intermediate skills and techniques. Students furnish racquets. PREREQ: FA 172. (Pass/Fail)

FA 273 TENNIS II (0-2-1). Instruction and participation in tennis for development of intermediate skills and techniques. Students furnish raquets. PREREQ: FA 173. (Pass/Fail)

FA 281 BASKETBALL II (0-2-1). Instruction and participation in basketball for development of intermediate skills and techniques. PREREQ: FA 181. (Pass/Fail)

FA 286 VOLLEYBALL II (0-2-1). Instruction and participation in volleyball for development of intermediate skills and techniques. PREREQ: FA 186. (Pass/Fail)

FA 290 CLUB SPORTS II (0-2-1). Instruction and participation in club sports approved by BSU Student Senate. Club advisor's approval required. (Pass/Fail)

FA 291 VARSITY SPORTS II (0-2-1). Instruction and participation in BSU Department of Athletics approved sports. Coach's approval required. (Pass/Fail)

Upper Division

FA 313 SWIMMING III (0-2-1). Participation in swimming for development of advanced skills and techniques. Instruction in stroke mechanics, training program design, starts, turns, and survival swimming. PREREQ: FA 213. (Pass/Fail)

FA 365 WEIGHT TRAINING III (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of advanced skills and fitness. PREREQ: FA 265. (Pass/Fail)

FA 372 RACQUETBALL III (0-2-1). Instruction and participation in racquetball for development of advanced skills and techniques. Emphasis on doubles play and safety. Students furnish raquets. PREREQ: FA 272. (Pass/Fail)

FA 373 TENNIS III (0-2-1). Instruction and participation in advanced drills, game experience and strategy, and study of the USTA rules and code. Students will furnish their own rackets and balls. PREREQ: FA 273. (Pass/Fail)

Department of Psychology

Education Building, Room 629  Phone (208) 385-1207
Chairman and Professor: John L. Phillips; Professors: Barness, Dodson, Ison, Smith, Snow; Associate Professors: Chastain, Downs, Nelson, Steger, Wilkinson.

Majors offered

Psychology

Special Information for Students

1. The College of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's coursework in psychology are "elective."

2. Psychology is classified as a social science by the university, but not by the State Department of Education. You can apply psychology toward a baccalaureate degree in Social Sciences. (In this catalog see the sections on Economics, History, Political Science, Anthropology, and Sociology.) If you do that, you may be certified to teach the subjects that are classified by the State as "social studies," but you will not be certified to teach psychology unless you also meet the requirements of the Psychology Minor.

3. Any student who is planning a career of counseling in the schools should major either in Elementary Education or in some subject matter area that includes a Secondary Education Option. Psychology courses often are explicitly prescribed parts of such programs; additional courses may be taken as electives.

4. Every Psychology major must sit for the graduate record examination (Both "Aptitude" and "Advanced") at some time during his senior year and have the results sent to the department.
Degree requirements

PSYCHOLOGY MAJOR
Bachelor of Arts or Bachelor of Science

1. Lower Division
a. Psychology (see Area II below)
   Area I .................................................. 3-6
   English Composition .................................. 3
   Core courses: ........................................... 12
   Literature ............................................. 3
   Second Area I Field ................................. 3
   Third Area I Field .................................. 3
   Any Area I Field .................................... 3
   Non-core Courses ..................................... 0

b. Area II
   Core Courses .......................................... 12
   General Psychology, P 101 .......................... 3
   History .................................................. 3
   Third Area II Field .................................. 3
   Any Area II field ..................................... 3
   Non-core courses:
   Psychological P 225 ................................ 3
   Introduction to Practice of Psych P 201 ........... 3

c. Area III
   Core Courses .......................................... 12
   Intermediate Algebra M 108 ........................ 3
   App Stat with the Computer M 120 ................. 4
   Concepts of Biology B 100 .......................... 4
   Non-core courses:
   Concepts of Human Anatomy and Physiology Z 107 4

  d. Additional core courses, any area .......... 3

2. Upper Division
a. Psychology .............................................. 25
   Statistical Methods P 305 ........................... 3
   Experimental Psychology P 321 .................... 4
   Psychological Measurement P 421 .................. 3
   Learning P 441 ......................................... 3
   Systems Seminar ....................................... 3
   Electives in Psychology ............................. 5

b. Upper Division Electives ............................. 15

3. Free Electives .......................................... 27-30

PSYCHOLOGY REQUIREMENTS FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

Psychology Minor
P 101 General Psychology ............................... 3
P 301 Abnormal Psychology ............................. 3
P 305 Statistical Methods ............................... 3
P 351 Personality ......................................... 3
Psychology upper-division electives .................. 9
Social Science Secondary Education Option Major
P 101 General Psychology ............................... 3
P 301 Abnormal Psychology ............................. 3
P 351 Personality ......................................... 3
Psychology upper-division electives .................. 6
Total ....................................................... 21

Recommended program

PSYCHOLOGY MAJOR

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SOPHOMORE YEAR

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<td>Intro to Prac of Psychology, P 201*</td>
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<td>Child Psychology, P 311</td>
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<td>Social Psychology, P 431</td>
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*Specifically required
**Select from list of courses approved for the Core.

Course offerings

P 101 GENERAL PSYCHOLOGY (3-0-3) [AREA II]. An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided.

P 151 CAREER AND LIFE PLANNING (3-0-3) [F/S]. Three weeks to each of the following areas: knowing self, the world of work, identifying resources, actual career planning and proposed implementation of career and life plans. Students are expected to participate through interviews, visits and by arranging for resources pertinent to classroom activities. Pass/fail. Limited enrollment.

P 161 ASSERTIVENESS TRAINING (3-0-3). This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals, and role-playing. Pass/fail. Limited enrollment.

P 201 INTRODUCTION TO PRACTICE OF PSYCHOLOGY (3-0-3) [F/S]. An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. PREREQ: P 101.

P 225 PHYSIOLOGICAL PSYCHOLOGY (3-0-3) [F]. A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. PREREQ: P 101, Z 107.

P 251 HUMAN SEXUALITY (3-0-3) [F/S]. An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included.

P 291 DEATH: A CONFRONTATION FOR EVERYONE (3-0-3) [F]. A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

Upper Division

(Note: Upper Division Psychology courses are saved for Upper Division students.)

P 301 ABNORMAL PSYCHOLOGY (3-0-3). A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101.
P 305 STATISTICAL METHODS (3-0-3)(F/S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. PREREQ: P 101, High School Algebra.

P 311 CHILD PSYCHOLOGY (3-0-3). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problems areas. PREREQ: P 101.

P 312 ADOLESCENT PSYCHOLOGY (3-0-3). Chronologically a continuation of child psychology P 311; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. PREREQ: P 101.

P 321 EXPERIMENTAL PSYCHOLOGY (2-4-4)(F/S). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data; reporting of behavioral research. PREREQ: P 305.

P 329 EDUCATIONAL PSYCHOLOGY (3-0-3). A critical examination of some psychological concepts that have relevance to the process of education. PREREQ: P 101.

P 341 PERCEPTION (3-0-3)(S). A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structure and neural pathways is included. PREREQ: P 101.

P 351 PERSONALITY (3-0-3)(F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. PREREQ: P 101.


P 357 PEER COUNSELING: THE HELPING RELATIONSHIP (3-0-3)(F/S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially video taping and group activities. Limited enrollment. PREREQ: P 101.

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course will examine 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 or SO 101.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F/S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students in managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST.

P 405 ADVANCED STATISTICAL METHODS (3-0-3)(F/S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measures designs) and related trend tests, multiple comparison tests, and multiple correlation techniques. Preference to psychology majors who are planning to go on to graduate school. PREREQ: P 305.

P 421G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. PREREQ: P 101 and P 305.

P 431 SOCIAL PSYCHOLOGY (3-0-3)(F/S). 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 both. PREREQ: SO 101, P 101.


P 441 LEARNING (3-0-3)(F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. PREREQ: P 101 and P 305. P 321 may be taken before or concurrently with P 441.

P 489 SYSTEMS SEMINAR (3-0-3)(S). Theories and controversies in American Psychology. A four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in Psychology.

P 495 SENIOR THESIS (0-3-3)(F/S). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrollment. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101 and P 321, PERM/INST.
To realize this principle the faculty members exemplify instructional excellence, remain current in their fields, and contribute to the knowledge about instruction and learning.

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education and Library Science in the total preparation of elementary and secondary school teachers and librarians.

The Department is responsible for planning and conducting the teacher education programs for preparing elementary and secondary teachers. The programs are outlined in accordance with the aims and certification requirements of the Idaho State Board of Education. The Department has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the Humanities and in the Social and Natural Sciences. Students also receive special preparation for the particular kind of educational work they plan to do.

**Department Admission Requirements**

- **Admission to Teacher Education:** Students preparing to teach must apply for admission to Teacher Education. Normally, this is accomplished during the Sophomore year. This application will be secured and processed as part of TE 201, Foundations of Education. Transfer students who have completed an equivalent course in Foundations of Education should contact the Coordinator of Field Services and apply for admission to Teacher Education.

  **Admission to Teacher Education is required before students may take any upper division courses in Teacher Education. Provisional admission is possible for students who have degrees and are working toward certification only.**

General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the Department. These requirements include:

1. Filing of the Admission to Teacher Education.
2. A minimum grade of C in TE 201 Foundations of Education, or its equivalent.
3. Demonstrated proficiency in written and oral English. This is normally determined while the students are enrolled in TE 201, Foundations of Education. Transfer students must make arrangements with the Coordinator of Field Services for exceptions to this procedure. Specific procedures followed by the Department in judging English proficiency are available in the office of the Coordinator of Field Services.
4. Passing grade in basic skills test administered through the Department.

Any deviations from the preceding policy must be approved by the Chairman of the Department.

- **Admission to Student Teaching:** An application for a specific student teaching assignment must be filed with the Office of Field Services, Department of Teacher Education and Library Science, by the following deadlines:
  1. February 15 of the Junior year for fall secondary student teachers and fall/spring elementary student teachers.
  2. October 1 of the Senior year for spring secondary student teachers and spring/fall elementary student teachers.

  Application forms may be picked up from the Office of the Coordinator of Field Services. NOTE: Six weeks notice will be required prior to the beginning date of the student teaching assignment if a student wishes to withdraw from student teaching.

General requirements for admission to student teaching for elementary or secondary candidates include:

1. **ELEMENTARY MAJORS**
   a. Admission to Teacher Education.
   b. Recommendation by the faculty advisor or Department chairman.
   c. A cumulative grade point average of 2.50.

2. **SECONDARY OPTIONS**
   a. Admission to Teacher Education.
   b. Completion of an Early School Experience.
   c. Recommendation by the faculty advisor or the Department chairman.
   d. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the Education courses completed.
   e. A minimum cumulative grade point average of 2.50.
   f. Minimum grade of C in TE 381, Secondary School Methods, and the appropriate class or classes in Special Methods for the teaching area.
   g. Senior standing.
   h. Sufficient credit hours in the assigned teaching area.

3. **NOTE FOR BOTH**
   Deviations from the above requirements must be approved by the department chairman.

**Special Information for Students**

1. Students who transfer to Boise State University must meet requirements for admission to Teacher Education and Student Teaching, and complete at least 6 semester hours at the University before being placed in Student Teaching.
2. Student teachers are expected to do responsible teaching, participate in cocurricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their University supervisors.
3. Any student may be dismissed from a program leading to certification if he or she is found guilty of any offense which would be grounds for revocation or denial of an Idaho teaching certificate, including conviction in a court of law of an offense other than a minor traffic violation. Questions regarding this section should be addressed either to the Coordinator of Field Experiences (Education Building, Room 305) or the Dean of the College of Education (Education Building, Room 705).
4. Student Teaching can only be taken once (refer to PART II of this Catalog: ACADEMIC INFORMATION—Academic Regulations).

**Graduate Programs in Education**

A Master of Arts/Science in Education is offered through the Department of Teacher Education and Library Science. The candidate may select from 11 areas of emphasis: (1) Curriculum and Instruction, (2) Early Childhood, (3) Reading, (4) Special Education, (5) Art, (6) Business Education, (7) Earth Science, (8) English, (9) History, (10) Mathematics, and (11) Music. The specifics of the programs are presented in the Graduate College section of this catalog.

**Services for Students**

**Placement.** A teacher Placement Service is provided by the Boise State University Career and Financial Services Office. Check with the Director regarding eligibility to use this service and procedures for doing so.

**Reading Education Center.** The Center provides special services for University and public school students with specific problems in reading. Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.
College of Education

Degree requirements

ELEMENTARY EDUCATION MAJOR
Bachelor of Arts Degree

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Department of Teacher Education and Library Science consisting of general and professional education courses.

1. General University Requirements for BA Degree

a. English Composition E 101-102 ........................................ 3-6
   Note: E 101 may be exempt
b. Area I Requirements .................................................. 12
   Literature (to include American Lit E 271 or 272) .................. 6
   Second and Third Field Electives (see core requirements) ....... 6
   NOTE: Choose Second and Third Field Electives from Art,
   Humanities, Music, Philosophy, Theatre Arts and Foreign Language
   (201 level or higher).
c. Area II Requirements .................................................. 18
   U.S.History (HY 151 or 152 suggested) .............................. 3
   Geography (GG 101) .................................................... 3
   Psychology (P 101) ..................................................... 3
   Oral Communication (CM 311 suggested) ............................ 3
   Area II Soc SCI SO 230 or AN 102 .................................. 3
   Area II Elective - Econ or Poli Sci .................................. 3
   NOTE: For certification purposes, Elementary Education majors
   must complete a total of 12 semester hours in Social Science
   areas other than Psychology and Communication.
d. Area III Requirements ................................................. 12
   See University Core Requirements. NOTE: Elementary Educa-
   tion majors must have courses in both Biological and Physical
   Sciences.

2. Professional Education Requirements

   Intro to Teaching I TE 171 ............................................. 1
   Mathematics for Elem Teachers M 103-104 .......................... 8
   Music Fundamentals MU 101 ............................................ 3
   Foundations of Education TE 201 .................................... 2
   Intro to Microcomputer in Classroom TE 208 ....................... 3
   Intro to Teaching II: Instr Experience TE 271 ...................... 1
   Education of the Exceptional Child TE 291 .......................... 3
   Teaching Beginning Reading, K-3 TE 305 ............................ 3
   Teaching Intermediate Reading, 4-6 TE 306 ........................ 3
   Music Methods for the Elem School Teacher MU 371 ............... 2
   Elementary School Art Methods AR 321 ............................. 3
   Elementary School Physical Educ PE 361 ........................... 3
   Children's Literature TE 316 ......................................... 3
   Educational Psychology P 325 ....................................... 3
   Child Psychology P 311 ............................................... 3
   Elem Curriculum & Methods I TE 451 ................................ 6
   Elem Curriculum & Methods II TE 452 ............................... 6
   Classroom Management Skills TE 457 ................................ 2
   Elem Student Teaching TE 471 ...................................... 5
   Elem Student Teaching TE 472 OR .................................. 5
   Student Teaching in Special Educ TE 473 ........................... 5

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR
Bachelor of Arts Degree

NOTE: Completion of this degree as outlined in this catalog qualifies
the student to receive a Standard Elementary Teaching Certificate
from the State of Idaho, thus enabling him/her to teach in a regular or
Bilingual elementary classroom.

LANGUAGE COMPONENT

Spanish Section

Intermediate Spanish (Area I) $ 201 .................................. 4
Intermediate Spanish (Area II) $ 202 .................................. 4
Advanced Spanish $ 303 ............................................. 3
Advanced Spanish $ 304 ............................................. 3
Total ........................................................................... 14

English As a Second Language (ESL) Section

Foundations of Teaching English as a 2nd Language TE 202 ........... 2

Identification & Diagnosis of LEP Students TE 322 ................... 2
Methods of Teaching English as a 2nd Language TE 456 ............ 3
Introduction to Language Study LI 305 ................................ 3
Applied Linguistics in Teaching English as a 2nd Lang LI 407 ....... 3

English Section

English Composition E 101 .............................................. 3
English Composition E 102 .............................................. 3
Total ........................................................................... 16

Total Hours in Language Component .................................. 33

Multicultural Component

Survey of American Lit (Area II) E 271 or 272 ....................... 3
Intro to Multi-Ethnic Studies (Area II) SO 230 ............... 3
United States History HY 151 or 152 .............................. 3
Cultural Anthropology (Area II) AN 102 .............................. 3
Mexican American Tradition & Culture in Elem Class TE 278 ... 2
Total ........................................................................... 14

Science Component

Math for Elementary Teachers M 103 ................................ 4
Math for Elementary Teachers M 104 ................................ 4
Concepts of Biology (Area III) B 100 ................................. 4
Elec Areas (Choose 2 from Area III) ................................. 8
(Oone must be Physical Science: GO 100 and PS 100 are recommended)
Total ........................................................................... 20

PROFESSIONAL COMPONENT

General Education Section

Elementary School Art Methods AR 321 .............................. 3
Music Meth for Elem School Teacher MU 371 ................. 3
General Psychology (Area II) P 101 .................................. 3
Child Psychology P 311 ............................................... 3
Elem School P.E. Methods PE 361 ................................... 3
Total ........................................................................... 14

Teacher Education Section

Intro to Teach I: Class Observation TE 171 .......................... 1
Foundations of Education (Area II) TE 201 ......................... 3
Intro to Teach II: Instruc Experience TE 271 ....................... 3
Teaching Beginning Reading K-3 TE 305 ......................... 3
Teaching Intermediate Reading 4-6 TE 306 ....................... 3
Children's Literature TE 316 ........................................... 3
Elementary Curric & Methods TE 451 ............................... 6
Elementary Curric & Methods TE 452 ............................... 6
Teaching Read & Lang Arts in Biling Class TE 453 .......... 6
Student Teaching in Elem Class TE 474-475 .................... 10
Total ........................................................................... 38

Total Professional Component .......................................... 52

ELECTIVES

Because of the need to prepare future teachers to teach in both
bilingual and non-bilingual classrooms, it is recommended that elec-
tive classes be chosen from the following list:

CM 351 Intercultural Communications
S 203 Spanish for the Native Speaker
S 425 Mexican American Literature
S 385 La Gente Mexico Mexicano en los Estados Unidos
SO 297 Sociocultural Processes of Mexican American People
E 213 Afro-American Literature
E 219 North American Indian Folklore
E 390 Folklore
E 384 Literature of the American West
AN 371 Peoples and Cultures of the World
SO 295 Racial and Cultural Minorities in the U.S.
HY 261 History of Minorities in the U.S.
HY 356 Indians in American History
AN 315 Indian People of Idaho
HY 365 History of Mexico
PO 101 American National Government
TE 291 Education of the Exceptional Child
P 325 Educational Psychology
TE 358 Corrective Reading
**College of Education**

<table>
<thead>
<tr>
<th>Recommended Programs</th>
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<tbody>
<tr>
<td><strong>BILINGUAL TEACHER TRAINING TOTAL HOURS</strong></td>
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### ELEMENTARY EDUCATION MAJOR

#### FRESHMAN YEAR

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>EN 101-102</td>
<td>English Composition</td>
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<tr>
<td>BI 100</td>
<td>Concepts of Biology (Area III)</td>
<td>4</td>
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<tr>
<td>SC 100</td>
<td>Physical Science (Area III)</td>
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<tr>
<td>TE 171</td>
<td>Intro to Teaching I Class Observation</td>
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<tr>
<td>PSY 101</td>
<td>General Psychology</td>
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<tr>
<td>ART 101</td>
<td>Area I Electives: Art or Music</td>
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<td>ART 103</td>
<td>Area I Third Field Elective</td>
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<td>SS 101</td>
<td>Social Science: U.S. History (Area II)</td>
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<td>GE 101-102</td>
<td>Area II, Geography GG 101 or 102</td>
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<td>SS 101</td>
<td>Area II, Economics or Political Science</td>
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#### SOPHOMORE YEAR

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<th>Course Title</th>
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<tr>
<td>MUS 101</td>
<td>Music Fundamentals</td>
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<td></td>
<td>Foundations of Education TE 201</td>
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<tr>
<td></td>
<td>Intro to Teaching II: Instr Exper TE 271</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Elementary Mathematics for Teachers M 103</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elementary Mathematics for Teachers M 104</td>
<td>3</td>
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<tr>
<td></td>
<td>Education of the Exceptional Child TE 291</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Second Field (E 271 or E 272) Area I</td>
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<tr>
<td></td>
<td>Additional Literature Course Area I</td>
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<td></td>
<td>Social Science: Area II SO 230 or AN 102</td>
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<td>Elective Area III</td>
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#### JUNIOR YEAR

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<td></td>
<td>Teaching Begin Reading, K-3 TE 305</td>
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<td>Teaching Intermediate Reading, 4-6 TE 306</td>
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<tr>
<td></td>
<td>Children's Literature TE 316</td>
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<td></td>
<td>Elementary School Art Methods AR 321</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elementary School PE Methods PE 361</td>
<td>3</td>
</tr>
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<td></td>
<td>Music Methods for Elementary Teachers MU 371</td>
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<td></td>
<td>Educational Psychology P 325</td>
<td>3</td>
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<tr>
<td></td>
<td>Child Psychology P 311</td>
<td>3</td>
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<td></td>
<td>Speech Comm for Teachers CM 311 suggested</td>
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<td></td>
<td>Electives</td>
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<td><strong>Total</strong></td>
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#### SENIOR YEAR

**FIRST SEMESTER: BLOCK I**

- Classroom Management Skills TE 457 |
- Elem Curriculum & Methods TE 451 |
- Elementary Student Teaching TE 471 |

**SECOND SEMESTER: BLOCK II**

- Advanced Curriculum and Methods TE 452 |
- Elementary Student Teaching TE 472 |
- OR
- Student Teaching: Special Education TE 473 |
- Electives |

**Total** 30

### ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>Elective Area I</td>
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<tr>
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<td>Intermediate Spanish S 201</td>
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<td></td>
<td>Intermediate Spanish S 202</td>
<td>4</td>
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<tr>
<td></td>
<td>General Psychology P 101</td>
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<td>English Composition E 101-102</td>
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<td>Intro to Teaching I: Class Observation TE 171</td>
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<td></td>
<td>Math for Elementary Teachers M 103</td>
<td>4</td>
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<td></td>
<td>Concepts of Biology B 100</td>
<td>4</td>
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<tr>
<td></td>
<td>Cultural Anthropology AN 102</td>
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#### SOPHOMORE YEAR

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<tr>
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<tr>
<td></td>
<td>Math for Elementary Teachers M 104</td>
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</tr>
<tr>
<td></td>
<td>Survey of American Literature E 271 or 272</td>
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### JUNIOR YEAR

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tr>
<td></td>
<td>Foundations of Education TE 201</td>
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<tr>
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<td>Intro to Teaching II: Instr Exper TE 271</td>
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<td>Advanced Spanish S 303-304</td>
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<td></td>
<td>United States History HY 151 or 152</td>
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<td>Found of Teach English as 2nd Lang TE 202</td>
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<tr>
<td></td>
<td>Mex-Amer Tradition &amp; Culture in Elem Class TE 276</td>
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### SENIOR YEAR

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<tbody>
<tr>
<td></td>
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<tr>
<td></td>
<td>Elementary School Art Methods AR 321</td>
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<tr>
<td></td>
<td>Introduction to Language Study LI 305</td>
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<tr>
<td></td>
<td>Teaching Reading K-3 TE 305</td>
<td>3</td>
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<tr>
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<td>Teaching Intermediate Reading 4-6 TE 306</td>
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<td>Music Methods for Elem Teacher MU 371</td>
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<td></td>
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<td></td>
<td>Child Psychology P 311</td>
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<td></td>
<td>Children’s Literature TE 316</td>
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<tr>
<td></td>
<td>Identif &amp; Diagnos of LEP Child TE 322</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Elem School Physical Education PE 361</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Intro to Multi-Ethnic Studies SO 230</td>
<td>3</td>
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<tr>
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### Total Hours 130

### Areas of Emphasis

Students majoring in Elementary Education are strongly advised to select an Area of Emphasis, which will strengthen them as teachers and, therefore, improve their opportunities for employment. Courses taken for the Area of Emphasis may also count as courses required for general university requirements and for those in the Elementary Education major.

#### SPECIAL EDUCATION Elementary Emphasis

Students desiring to teach exceptional children may enroll in one of the following programs and upon successful completion will meet requirements for Idaho Teacher Certification. Both programs have been designed to be pursued in a dual program with either the Elementary or Secondary Education major. The student should begin program planning as early as possible with the student’s advisor and a consultant from Special Education, thereby providing continuity and elimination of possible obstacles. Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major of 30 credit hours in the desired area of certification.

**Generalist—Educationally Handicapped**

This program enables a Special Education teacher to work with exceptional children who exhibit mild or moderate educational handicaps such as the mentally retarded, learning disabled, and emotionally disturbed, either in a resource room or a regular classroom.

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>1. Required Courses (24 Credit Hours)</td>
</tr>
<tr>
<td>Education of the Exceptional Child TE 291</td>
</tr>
<tr>
<td>Techniques in Student Motivation &amp; Class Management TE 3713</td>
</tr>
<tr>
<td>Diagnosis of the Handicapped TE 450</td>
</tr>
<tr>
<td>Remediation of Mild &amp; Mod Handicapped TE 431</td>
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<tr>
<td>Instructional Materials for the Exceptional Child TE 440</td>
</tr>
<tr>
<td>Elementary Student Teaching in Special Education TE 473</td>
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<tr>
<td>Elementary Student Teaching in Special Educ TE 473</td>
</tr>
<tr>
<td>Senior Seminar in Elem Special Educ TE 499</td>
</tr>
<tr>
<td>Motor Prog for Kindergarten &amp; Spec Educ Teachers PE 369</td>
</tr>
</tbody>
</table>

| 2. Elective Courses (minimum 6 credit hours) |
| Behavior Intervention Techniques TE 450C | 3 |
Teaching Strategies for Behavior Disorders TE 425 3  
Curriculum in Early Childhood Educ TE 462 3  
Individualizing Instr in Early Childhood Educ TE 464 3  
Independent Study of Emotionally Handicapped TE 497 3

Severe Retardation  
This program enables a Special Education teacher to work with exceptional children who exhibit severe handicapping conditions, probably requiring a self-contained placement.

1. Required Courses (21 Credits)  
Education of the Exceptional Child TE 291 3  
Techniques in Student Motivation & Class Mang TE 371 3  
Diagnosis of the Handicapped TE 430 3  
Teaching the Moderately & Severely Handicapped TE 423G 3  
Elementary Student Teaching in Special Educ Class TE 473 5  
Senior Seminar in Special Education TE 499 2  
Motor Prog for Kindergarten & Spec Educ Teachers PE 369 2  

2. Elective Courses (minimum 9 credits)  
Instructional Materials for the Exceptional Child TE 440 3  
Teaching Strategies for Behavior Disorde4rs TE 425 3  
Behavior Intervention Techniques TE 450G 3  
Curriculum in Early Childhood Educ TE 463 3  
Individualizing Instruction in Early Child Educ TE 464 3  
Independent Study in Mental Retardation TE 469 3  
Dance for Children PE 357 2

Special Education Secondary Emphasis  
Students wishing to pursue a program leading to certification as a Special Education teacher will need to arrange consultation with a Special Education faculty member in the Department of Teacher Education and Library Science. The student wishing to pursue such a plan should investigate this option as early as possible since a minimum of thirty (30) credits will be required in the program leading to certification.

Reading Secondary Emphasis  
Students who wish to receive an endorsement to teach reading in secondary schools may do so by following a program designed in consultation with a faculty member in the Reading Center.

Art Elementary Emphasis  
Required 22 credits:  
Introduction to Art AR 103 1 3  
Basic Design AR 105, 106 1 6  
Drawing AR 111 1 3  
Painting AR 113 1 2  
Painting-Watercolor AR 217 1 2  
Ceramics AR 225 1 2  
Crafts AR 123 1 2  
Elementary School Art Methods AR 321 1 3

NOTE: This emphasis requires 22 credit hours, 6 of which may apply to Area I and 3 of which apply to the elementary education major.

Bilingual Elementary Emphasis  
Required 18-22 credits:  
Mexican American Tradition & Culture TE 278 1 3  
Foundations of English as a 2nd Lang 1 3  
ESL Identif, Test & Stu Placement TE 322 1 3  
Bilingual Methods TE 454 1 3  
Methods of Teaching Engl as 2nd Lang TE 456 1 3  
Spanish 1 4-8

Must achieve a S-202 level proficiency either by taking 100 and 200 level courses or by demonstrating proficiency through examination

Electives 3 credits:  
Intro to Multilingual Studies SO 230 1 2  
Spanish for the Content Areas S 305 1 2  
History of Minorities in U.S. HY 261 1 3  
Cultural Anthropology AN 102 1 3

NOTE: This emphasis requires from 21 to 25 credit hours, depending upon student's level of Spanish proficiency. Six credits of S 201 and S 202 may apply to Area I, and SO 230 or AN 102, if elected may apply to Area II.

Early Childhood Emphasis  
Required 16 credits:  
Child Behavior in Early Childhood Education TE 261 1 3  
Curriculum in Early Childhood Education TE 362 1 3  
Internship in Early Childhood Education TE 293-493 1 2  
Creating Materials in Early Childhood Education TE 465 1 3  
Student Teaching Kindergarten TE 472 1 5

Electives 5 credits:  
Infant Education TE 463G 1 3  
Diagnosis of Mild/Moderate Handicapped TE 430 1 3  
Children's Theatre TA 287 1 3  
Human Growth and Motor Development PE 205 1 2

NOTE: This emphasis requires 21 credit hours, 5 of which (TE 472) apply to Elementary Education major.

Students will be recommended for the Kindergarten endorsement on their elementary teaching certificate if they complete the Early Childhood Area of Emphasis.

French Elementary Emphasis  
Required 19 credits:  
Elementary French F 201-202 1 8  
Intermediate French F 201-202 1 8  
Teaching Methodology in For Lang FL 412 1 3

Electives 3 credits:  
Advanced French F 303 1 3  
Advanced French F 304 1 3  
La Civilisation Francophone Moderne F 377 1 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

German Elementary Emphasis  
Required 19 credits:  
Elementary German G 101-102 1 8  
Intermediate German G 201-202 1 8  
Teaching Methodology in For Lang FL 412 1 3

Electives 3 credits:  
Advanced German G 303 1 3  
Advanced German G 304 1 3  
German Culture and Civilization G 377 1 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

Health Elementary Emphasis  
Required 15 credits:  
Health Education PE 100 1 3  
Nutrition H 207 1 3  
Human Anatomy & Physiology Z 107 1 4  
School Health PE 415 1 3  
Human Growth & Motor Development PE 205 1 2

Electives 6 credits:  
Human Sexuality P 261 1 3  
Drugs: Use and Abuse H 109 1 3  
Man and The Environment B 200 1 3  
Disease Condition I H 211 1 3  
Abnormal Psychology P 301 1 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

Language Arts Elementary Emphasis  
Required 21 credits:  
Survey of American Literature E 271 or 272 1 3  
Introduction to Literature E 131 1 3  
Grammar & Language Use for Teachers TE 216 1 3  
Fundamentals of Speech Communication CM 111 1 3

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College of Education

READING Elementary Emphasis.

Required 17 credits:
Reading and Study Skills TE 108 ......... 2
Teaching Begin Reading K-3 TE 305 .... 3
Teaching Intermediate Reading 4-6 TE 306 .. 3
Children's Literature TE 316 ... 3
Internship in Reading TE 493 ....... 3

Electives 5 credits:
Literature for Young Adults TE 341 .... 3
OR
Lit for use in Jr & Sr High School E 481 ..... 3

NOTE: This emphasis requires 20 credits, 9 of which (TE-305, 306, & 316) apply to Elementary Education major.

SCIENCE Elementary Emphasis

Required 16 credits:

Concepts of Biology B 100 ............ III 4
Foundations of Physical Science PS 100 . III 4
Intro to Descriptive Astronomy PH 105 ... III 4
Fundamentals of Geology GO 100 .... III 4

Electives 4 credits:
General Biology B 101 & 102 ....... III 4
This sequence may be taken instead of B 100
Concepts of Chemistry C 100 ........ III 4
General Physics PH 101 & 102 ....... III 4
This sequence may be taken instead of PS 100.

PREREQ: Algebra and Trigonometry.

Energy for Society EN 100 .......... III 4
General Botany BT 130 ........ III 4

NOTE: This emphasis requires 20 credit hours, 12 of which may apply to Area III.

SOCIAL STUDIES Elementary Emphasis

Required 24 credits:

United States History HY 151-152 ... II 6
OR
Problems in U.S. History HY 251-252 .... II 6
History of Western Civilization HY 101-102 .. II 6

OR
Problems in Western Civilization HY 201-202 .. II 6
Intro to Multi-Ethnic Studies SO 230 .... II 3

OR
Cultural Anthropology AN 102 .... II 3
Contemporary Economic Problems EC 210 ... II 3
American National Government PO 101 .... II 3

NOTE: This emphasis requires 24 credit hours, 12 of which may apply to Area III.

SPANISH Elementary Emphasis

Required 19 credits:

Elementary Spanish S 101-102 ....... 8
Intermediate Spanish S 201-202 ....... 8
Teaching Methodology in Forn Lang FL 412 .... 3

Electives 3 credits:
Advanced Spanish S 303 ........ 3
Advanced Spanish S 304 ........ 3
Cultura y Civilizacion .... 3
Hispanoamericano S 377 .... 3

NOTE: This emphasis requires 22 credit hours, 3 of which may also apply to Area I.

MIDDLE SCHOOL Elementary Emphasizes

Middle School/Art Elementary Emphasis*
Middle School/Bilingual Elementary Emphasis
Middle School/French Elementary Emphasis*
Middle School/German Elementary Emphasis*
Middle School/Health Elementary Emphasis
Middle School/Language Arts Elementary Emphasis
Middle School/Mathematics Elementary Emphasis
Middle School/Physical Education Elementary Emphasis*
Middle School/Reading Elementary Emphasis*
Middle School/Science Elementary Emphasis
Middle School/Social Studies Elementary Emphasis
Middle School/Spanish Elementary Emphasis*

NOTE: This emphasis requires 20 credit hours, 3 of which (PE 361) apply to Elementary Education major.
Middle School emphases, except for French, German, and Spanish, require 4 additional credit hours beyond the emphases without the “Middle School” prefix, as explained below:

- 1 additional credit by taking TE 484 Jr. High/Middle School Student Teaching (6 CR) in lieu of TE 472 Elementary Student Teaching (5 CR).
- 3 additional credits by taking either TE 381 Secondary School Methods, or 3 credits in special secondary methods.

French, German, and Spanish require only 1 additional credit since the special methods class, FL 412 Teaching Methodology in Foreign Language, is required in the emphasis.

*These emphases will lead to an endorsement on the elementary teaching certificate enabling the candidate to teach the specific subject matter in secondary schools.

Certification Requirements for Elementary Education

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education or Bachelor of Arts in Bilingual Multicultural Education.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education and Library Science.

Certification Requirements and Endorsements for Secondary Education


Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

A standard secondary certificate may be issued by the State Board of Education to any person of good moral character who has a Bachelor’s degree from an accredited college or university and meets the following requirement:

Idaho requires a minimum of 20 semester credit hours “in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching.”

These basic requirements are translated into the following required Boise State University Courses

<table>
<thead>
<tr>
<th></th>
<th>Single</th>
<th>Composite</th>
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<tbody>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subjects TE 307</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

Evaluating Exceptional Secondary

Students TE 333

Educational Psychology P 325

Secondary School Methods TE 381

Special Methods required by Major Department

Student Teaching Alternatives

(special below)                        9   14

Total                                    25  30

Student Teaching Alternatives

1. Single Alternatives

   a. Junior High-Middle School Student Teaching TE 482    8
   b. Junior High-Middle School TE 486                      1
   c. Senior High School Student Teaching TE 483           8
   d. The Senior High School TE 487                         1

2. Composite Alternative

   a. Composite-Junior High-Mid Sch Student Teaching TE 484 6
   b. The Junior High-Mid School TE 486                      1
   c. Composite-Senior High Sch Student Teaching TE 487      6
   d. The Senior High School TE 487                          1

NOTE: The above alternatives all lead to a standard secondary certificate (grades 7-12), and offer a variety of student teaching experiences. Alternative “1.a.” provides for a Junior High/Middle School experience. Alternative “1.b.” provides for a Senior High School Experience. Alternative “2.” provides for a combination of Junior High/Middle School and Senior High School experiences. Students should discuss Alternative “2” if their teaching fields are applicable to both the junior and senior high school level. It is highly desirable to discuss such alternatives with the major advisor and with a member of the Secondary Education faculty in the Department of Teacher Education and Library Science.

Students may complete the student teaching requirements in either the fall or spring semester of their senior year. The advisor should be consulted as to the better time based upon offerings in the major field and other considerations.

Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of Teacher Education and Library Sciences. See ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES for specifics regarding student teaching.

3. To be recommended for certification from Boise State University, the student must complete the Secondary Option degree program within a selected department. Such completion represents a major certification endorsement (at least 30 credit hours) in a teaching field. It is highly recommended that the student complete a minor certification endorsement of at least 20 credit hours in another field as an additional minor certification endorsement enhances the opportunity for employment.


4. A listing of the Boise State University minor certification endorsements is included for the convenience of students:

Requirements for Minor Certification Endorsements

NOTE: Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Field Services for further information.

ANTHROPOLOGY

Social Science Major

Physical Anthropology AN 101

Cultural Anthropology AN 102

Peoples and Cultures of the World AN 311

Additional upper division Anthropology

9

21
Non-Social Science Major
- Physical Anthropology AN 101 ........................................ 3
- Cultural Anthropology AN 102 ........................................... 3
- Introduction to Archaeology AN 103 .................................... 3
- Peoples and Cultures of the World AN 311 ............................ 3
- Additional upper division Anthropology ............................ 9

**ART**
- Introduction to Art AR 103 .................................................. 3
- Basic Design AR 105-106 .................................................... 4
- Drawing AR 111, 112 ....................................................... 2
- Painting AR 113, 114 ....................................................... 2
- 2 hours from Sculpt, Metals, Ceramics, Methods or Craft .... 2
- Electives from 100-400 Regular Courses ............................ 7
- Suggested Electives: Art History, Lettering Photography, Printmaking, Weaving and those listed above ....... 20

**BIOLOGY**
- General Biology B 101-102 .................................................. 8
- or General Botany BT 130 & Gen Zool Z 130 ....................... 9
- Systematic Botany BT 201 .................................................... 4
- Concepts of Anatomy and Physiology Z 107 ........................ 4
- Genetics, Lab B 343, 344 OR Vertebrate Nat Hist Z 355 .... 4

**COMMUNICATION:** (Speech)
- Fundamentals of Speech CM 111 ......................................... 3
- Reasoned Discourse CM 112 ............................................... 3
- Interpersonal Communication CM 221 ................................ 3
- Speech-Communication for Teachers CM 311 ....................... 3
- Methods of Teaching Communication CM 401 ...................... 3
- Electives selected from: .................................................... 5
  - Mass Communication CM 171 .......................................... 3
  - Oral Interpretation CM 241 ............................................ 3
  - Communication in the Small Group CM 251 ....................... 3
  - Interviewing CM 307 .................................................... 2
  - Message Analysis and Criticism CM 331 ......................... 3
  - Non-Verbal Communication CM 341 ................................ 2
  - Intercultural Communication CM 351 .............................. 3

**CONSUMER EDUCATION**
(See Marketing and Administrative Services Department)
- Consumer in the Marketplace HE 250 ............................... 3
- Principles of Economics EC 201-202 ................................... 6
- Personal Finance and Investments FI 108 ............................ 3
- Money and Banking EC 301 .............................................. 3
- Basic Marketing Management MK 301 ................................ 3
- Consumer Education in Schools BE 411 .............................. 3

**EARTH SCIENCE**
- Geology of Idaho & Pacific NW GO 213 ............................. 3
- Geology of Idaho & Pacific NW GO 213 ............................. 3
- Geology GO 213 .................................................................. 3
- Geology GO 313 .................................................................. 3
- Geology GO 311 .................................................................. 3

**ECONOMICS**
- Principles of Microeconomics EC 202 ................................. 3
- Intermediate Microeconomics EC 303 ................................. 3
- Intermediate Macroeconomics EC 305 ............................... 3
- Upper Division Economics Courses .................................. 9

**ENGLISH**
- Advanced Composition E 201 ............................................. 3
- Linguistics ........................................................................... 3
- Survey of American Literature E 271 or 272 ...................... 3
- Teaching English Composition E 301 OR Teaching Methods of Teaching Secondary School English E 381 .... 3
- Lower Division Literature E 230, 235, 240, 260, 215 ........ 6
- Upper Division Literature .................................................. 6

**FOREIGN LANGUAGE**

**French**
- Required 19 credits: ......................................................... 8
  - Elementary French F 201-202 ........................................... 8
  - Intermediate French F 201-202 ....................................... 1
  - Teaching Methodology in For Lang FL 412 ...................... 3
  - Electives 3 credits: .......................................................... 3
  - Advanced French F 303 .................................................... 3
  - Advanced French F 304 .................................................... 3
  - La Civilisation Francophone Moderne F 377 ..................... 3

**German**
- Required 19 credits: ......................................................... 8
  - Elementary German G 101-102 ....................................... 8
  - Intermediate German G 201-202 .................................... 1
  - Teaching Methodology in For Lang FL 412 ...................... 3
  - Electives 3 credits: .......................................................... 3
  - Advanced German G 303 .................................................. 8
  - Advanced German G 304 .................................................. 3
  - German Culture and Civilization G 377 ......................... 3

**Spanish**
- Required 19 credits: ......................................................... 8
  - Elementary Spanish S 101-102 ....................................... 8
  - Intermediate Spanish S 201-202 .................................... 1
  - Teaching Methodology in For Lang FL 412 ...................... 3
  - Electives 3 credits: .......................................................... 3
  - Advanced Spanish S 303 .................................................. 3
  - Advanced Spanish S 304 .................................................. 3
  - Cultura y Civilizacion .................................................... 3
  - Hispanoamericano S 377 .................................................. 3

**GEOGRAPHY**
- Introduction to Geography GG 101 .................................... 3
- Cultural Geography GG 102 ............................................... 3
- Upper Division Geography (minimum) ............................ 6
- Geography Courses (minimum) ....................................... 8

**GENERAL SCIENCE**
- Complete the basic sequence of courses in ..... B 101-102 or BT 130 and Z 130 8-9
  - Chemistry C 107, 108, 109, 110 .................................... 9
  - Geology GO 101-103 .......................................................... 8
  - Physics PH 101-102 .......................................................... 8

**HEALTH EDUCATION**
- Anatomy and Physiology Z 107 ........................................... 3
- Health Education PE 100 .................................................... 3
- Advanced First Aid PE 122 ............................................... 3
Nutrition H 207 ........................................ 3
Adolescent Psychology P 312 ............................ 3
School Health Problems & Methods PE 305 ....... 3
Consumer Health PE 405 .................................. 3
Organization & Admin of P.E. PE 457 ................ 3

Additional electives to be selected from the following courses with the approval of the Physical Education Department:
First Aid Instructor Trainer Course PE 123 ...... 1
Human Sexuality P 261 .................................... 3
Abnormal Psychology P 301 ............................. 3
Drugs, Use and Abuse H 109 .............................. 2
Health Delivery Systems H 302 .......................... 3
Intro to Disease Conditions H 203 ........................ 3
Chronic Illness: Impact & Outcome H 205 .......... ........................ 3

HISTORY
Lower Division .............................................. 12
US History HY 151-152 or Prob in US History ... 6
West Civ HY 101-102 or Prob in West Civ HY 201-202 ... 3
American Government (State-Required) ....... 3
Upper Division Courses to include 3 credit hours of US History with remaining 9 credit hours
selected from 2.04 3 major History areas ....... 12
U.S., European, Third World) .......................... 24

MATHEMATICS
Programming Languages M 122 or M 126 ....... 2-3
Calculus M 204 or M 211 .................................... 5
Calculus M 205 or M 212 .................................... 4-5
At least 1 of the following ............................... 3-4
Linear Algebra M 301 ..................................... 4
Introduction to Abstract Algebra M 302 .......... 3
Foundations of Geometry M 311 ....................... 3
Fundamentals of Statistics M 361 ..................... 4
Electives to complete 20 hours ......................... 6-3

MUSIC
Instrumental Track ......................................... 32
Materials of Music MU 119-120 ......................... 6
Ear Training MU 121-122 ................................ 2
Introduction to Music MU 133 ............................. 3
Basic Conducting MU 261 ................................ 2
Orientation to Music Education MU 271 .......... 1
1 year Applied Music ..................................... 4
1 year Major Performance Ensemble ............... 2
String Instrument Methods & Tech MU 257 ....... 2
Woodwind Methods & Tech MU 266 ................. 2
Instrumental Conducting MU 366 ..................... 2
Percussion Methods & Tech MU 368 .................. 2
Brass Methods & Tech MU 369 ........................... 2
Band & Orchestra Methods & Materials MU 387 .... 2

Choral Track .................................................. 30
Materials of Music MU 119-120 ......................... 8
Ear Training MU 121-122 ................................ 2
Vocal Techniques MU 256 .................................. 3
Basic Conducting MU 261 ............................... 3
Orientation to Music Education MU 271 ....... 1
1 year Applied Music (Major Instrument) ....... 4
1 year Performance Ensemble ......................... 2
1 year Applied Music (Voice or Piano) ............ 4
Choral Conducting MU 365 ................................. 1
Choral Methods and Materials MU 385 .......... 2

PHYSICAL EDUCATION
Physical Education Core (Required of all P.E. Minors)
Human Anatomy & Physiology Z 107 ............... 4
Health Education PE 100 .................................. 3
Standard First Aid & CPR PE 121 ..................... 1
Foundations of Physical Education PE 101 ....... 3
Rhythmic Skills PE 113 .................................. 1
Tumbling Skills PE 115 ..................................... 1
Sports Skills PE 117 ...................................... 1
Standard First Aid & CPR PE 121 .................... 1
Secondary School P.E. Methods PE 304 ............ 1
Elementary School P.E. Methods PE 361 ......... 3
Coaching Methods PE 3-3 ................................ 3
Internship in P.E. PE 493 ................................ 3

Additional Electives to be selected from the following courses with the approval of the Physical Education Department:

Skill Courses
Volleyball PE 115 .......................................... 1
Basketball PE 144 ......................................... 1
Track and Field PE 212 ................................. 1
Wrestling PE 217 ........................................... 1
Gymnastics PE 136 ......................................... 1
Tennis FA 173 .............................................. 1

Basic Courses
Anatomical Kinesiology PE 230 ....................... 3
Physiology of Exercise PE 310 ......................... 3
Biomechanics PE 311 ..................................... 3
Psychology of Activity PE 401 ......................... 3
Adapted Physical Education PE 451 ................. 3
Human Growth & Motor Development PE 205 .... 2

Applied Physical Education Courses
Introduction to Athletic Injuries PE 236 ............. 2
Conditioning Procedures for Sports PE 313 ....... 2
Dance for Children PE 357 ............................. 2
Motor Programming for Special Populations PE 369 .... 2
Coaching—The Nature of the Profession PE 430 .... 2

PHYSICS
General Physics PH 101-102 ............................ 8
Introduction to Descriptive Astronomy PH 105 ... 4
Technical Drawing EN 101 OR ......... ......... 2
Engineering Graphics EN 108 .......................... 2
Computer Programming EN 104 or EN 107 or M 122 .... 2 or 3
Math Skill Equivalent to M 111 ....................... 5

POLITICAL SCIENCE
American National Government PO 101 ............. 3
Contemporary Political Ideologies PO 141 ......... 3
Comparative European Governments & Political PO 229 .... 3
International Relations PO 231 ....................... 3
American History ......................................... 6
Political Science Electives (Upper Division) ....... 3

PSYCHOLOGY
General Psychology P 101 ................................ 3
Abnormal Psychology P 301 ............................. 3
Statistical Methods P 305 ................................ 3
Personality P 351 ......................................... 3
Psychology Upper Division Electives ................. 9

SOCIOLGY
Introduction to Sociology SO 101 ..................... 3
Social Statistics SO 310 ................................ 3
Social Research SO 311 ................................ 3
History of Sociology SO 401 OR ................. 3
Current Sociological Perspectives SO 402 ....... 3
Sociology Electives ........................................ 9

THEATRE ARTS
Technical Theatre TA 117-118 ........................ 8
Acting TA 215 .............................................. 3
Major Production Participation TA 331 ......... 1
World Drama TA 341, 342, 353 .................... 3
Directing TA 491 .......................................... 3
Theatre History TA 421 or 422 ....................... 3

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Course offerings

FL FOREIGN LANGUAGE

NOTE: Most Foreign Language Courses require a lab fee.

Upper Division

FL 412 TEACHING METHODOLOGY IN FOREIGN LANGUAGE (3-0-3). Discussion of problems and trends in language learning applied to practical activities, culture presentations, testing, teaching aids and resource materials. Practicum—visitations, developing teaching plans, presenting teaching units. PREREQ: Nine upper Division credits in one language or PERM/DEPT.

FR FRENCH

NOTE: Most French Courses require a lab fee.

Lower Division

F 101-102 ELEMENTARY FRENCH (4-1-4)(F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-4). A self-paced taped programmed course which provides for practice in pronunciation, reading, writing, grammar analysis and conversation. One period of conversation practice per week required.

F 201-202 INTERMEDIATE FRENCH (4-1-4)(F/S)(Area I). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, conversation and in A-V laboratories. PREREQ: F 102 or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French speaking world concentrating on the common and high frequency expressions of the language. Essays based on class discussion will be written regularly. PREREQ: F 202 or PERM/DEPT.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings, style imitations and personal essays. PREREQ: F 202 or PERM/DEPT.

F 328 LECTURES AVANCEES DE LA POESIE ET DE LA PROSE FRANCAISES (3-0-3). Selected unabridged works of great French authors, all genres, between 1715 to 1939, with emphasis on prose. May be repeated once for credit. PREREQ: F 202 or equivalent. Alternate years.

F 339 LES GRANDES OEUVRES CONTEMPORAINES (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French speaking world since the beginning of the Second World War; for example, Ayme, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. PREREQ: F 202 or equivalent. Alternate years.

F 376 LA CIVILISATION FRANCAISE HISTORIQUE (3-0-3). Studies in the development and expansion of French culture from pre-history to the French Revolution: history, politics, art, geography, literature, music and science; assessment of the contribution of French Civilization to the Western World. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 377 LA CIVILISATION FRANCOPHONE MODERNE (3-0-3). Studies in modern-French civilization since the end of the "ancien regime," the French Revolution; history, politics, art, geography, literature, music and science; assessment of France's contribution to the modern democracies. PREREQ: F 202 or PERM/DEPT. Alternate years.

G GERMAN

NOTE: Most German Courses require a lab fee.

Lower Division

G 101-102 ELEMENTARY GERMAN (4-1-4). Listening, speaking, reading and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent with PERM/INST. Students in G 102, lacking adequate preparation may drop back to G 101.

G 101P-102P PROGRAMMED ELEMENTARY GERMAN (0-4-4). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 INTERMEDIATE GERMAN (4-1-4)(Area I). A continuation of G 101-1-2, this course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. PREREQ: G 102 or equivalent as determined by placement examination and consultation.

Upper Division

G 303 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Practice towards idiomatic fluency. Readings from newspapers, magazines, essays, discussion of slides, tapes, and films. Frequent writing required. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.
G 304 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Similar goals and format to G 303. More extended writing assignments. PREREQ: G 204 or equivalent as determined by placement exam and consultation. Alternate years.

G 331 INTRODUCTION TO GERMAN LITERATURE AND LITERARY STUDIES (3-0-3). Major writers and periods provide samples from various genres and an overview of German literacy development. The course is intended to provide insights into literary craftsmanship. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 331 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from prehistoric times through the 18th Century. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Class conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 337 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from 1800 to present. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Classes conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 410 APPLIED LINGUISTICS FOR THE GERMAN LANGUAGE TEACHER (2-0-2). Functional application of linguistic theory to foreign language teaching and learning practices. Analysis of ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. PREREQ: G 305 and minimum of six credits upper division German and/or in-service teaching and/or equivalency as determined by placement test and interview. Alternate years.

G 415 AUFKLAERUNG UND DER STURM UND DRANG (18TH CENTURY) (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress". Selections from Gotthold, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 425 DER TRAUM DER ANTIKE UND DIE TRAUMWELT (1700-1830)(3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 435 REAKTION: LIBERAL UND KONSERVATIV (19TH CENTURY) (3-0-3). Selections from a wide cross-section of 19th century German Literature: Buchner, the "Young Germans", Grillparzer, Hebbel, Goethe, Keller, Stifter, Storm, C.F. Meyer and others. PREREQ: G 331 or PERM/INST. Alternate years.

G 445 DIE MODERNE ZEIT BEGINNT (1890-1945) (3-0-3). "ism's", "en"s," and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature. PREREQ: G 331 or PERM/INST. Alternate years.

G 455 ALS DER KRIEG ZU ENDE WART... (1945-present) (3-0-3). Selections will be taken from the authors, essayists, dramatists and poets who have appeared on the scene since 1945 treating the war and post-war experience, and the human condition in the contemporary world. Austrian, East German, Swiss and West German writers. PREREQ: G 331 or PERM/INST. Alternate years.

G 465 RITTER UND BAUER, GOTT UND MENSCH (1150-1720) (3-0-3). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays, Angelus Silesius, Gryphius, Grimmelshausen, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 475 DIE DEUTSCHSPRACHIGE Welt VON HEUTE (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377. Alternate years.

G 480 SENIOR SEMINAR (3-0-3). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST. Alternate years.

G 547 DIE DEUTSCHSPRACHIGE Welt VON HEUTE (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377. Alternate years.

G 548 SENIOR SEMINAR (3-0-3). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST. Alternate years.

G 574 LA TIN

NOTE: Most Latin Courses require a lab fee.

Lower Division

LA 101-102 LATIN LANGUAGE & LITERATURE (3-0-3). An intensive, one year, introductory course to provide a basic reading ability in classical Latin, and a basic knowledge of ancient Roman literature. The vocabulary, forms and syntax of Latin are emphasized with passages excerpted from Latin authors. Etymological study illustrates the debt of modern languages to Latin. Alternate years.

LS LIBRARY SCIENCE

Lower Division

LS 102 LIBRARY SKILLS (0-2-1) (F/S). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past.

LS 103 LIBRARY SKILLS II (0-2-1). Build on LS 102 Library Skills I and introduces additional and more sophisticated library materials and techniques. PREREQ: Prior or concurrent enrollment in LS 102.

LS 201 INTRODUCTION TO THE USE OF LIBRARIES AND THE TEACHING OF LIBRARY SKILLS (2-3-3) (F/S/U). Teaches efficient use of library materials, catalogs, indexes, and reference sources in various subject fields and prepares teachers and librarians to teach library skills to elementary and secondary school students.

Upper Division

LS 301 LIBRARY ORGANIZATION AND ADMINISTRATION (3-0-3)(F/S/U).PREREQ: LS 201 or PERM/INST.

LS 311 REFERENCE AND BIBLIOGRAPHY (3-0-3)(F,S,U).PREREQ: LS 201 or PERM/INST.

LS 321 BASIC BOOK SELECTION (3-0-3)(S/SU).PREREQ: LS 201 or PERM/INST.

R RUSSIAN

NOTE: Most Russian courses require a lab fee.

Lower Division

R 101-102 ELEMENTARY RUSSIAN (4-1-4). This course is designed to develop the student's abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years. Presented to the seminar. PREREQ: Senior standing or PERM/INST.

S SPANISH

NOTE: Most Spanish courses require a lab fee.

Lower Division

S 101-102 ELEMENTARY SPANISH (4-1-4). Develops abilities in understanding, speaking, reading and writing. Offers a basic study of grammatical structures and vocabulary. Introduces the student to Hispanic culture. Students may not enroll for S 101 for credit if they have had more than one year of high school Spanish or equivalent.

S 201-202 INTERMEDIATE SPANISH (3-1-3)(Area I). Intended to further develop Spanish language skills, both oral and written. Intensive review of vocabulary, grammar, reading, writing and oral communication. Students qualified for this course cannot take S 202. Alternate years. Presented to the seminar. PREREQ: Senior standing or PERM/INST.

203 SPANISH FOR THE NATIVE SPEAKER (4-0-4). A course designed especially for students who are not linguistically proficient in Spanish. Students qualified for this course cannot take S 202. Alternate years. PREREQ: Senior standing or PERM/INST.

S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Expands facility in expressive conversation as well as accuracy in writing Spanish: contents similar to the equivalent course S 303. PREREQ: S 203 or equivalent as determined by placement examination and consultation.

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S 304 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Discussion of topics related to contemporary Hispanic world, and other areas of immediate concern to the student. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 331 INTRODUCTION TO HISPANIC LITERATURES AND LITERARY ANALYSIS (3-0-3)(F). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Hispanic literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 377 CULTURA Y CIVILIZACION HISPANOAMERICANA (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanic-American nations; and their contributions to the western world. Discussions in Spanish; some readings in English. Papers required. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 385 LA GENTE MEXICANA-AMERICANA EN LOS ESTADOS UNIDOS (3-0-3). Deals with the historical works of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years. Readings and papers in Spanish and English required. PREREQ: S 304 or equivalent. Alternate years.

S 401 APPLIED LINGUISTICS FOR THE SPANISH LANGUAGE TEACHER (3-0-3). Articles and topics of current interest in the teaching of the Spanish language. Application of linguistic theory to foreign language teaching with emphasis on the analysis of data and Spanish and English language models. Offered in English and Spanish. PREREQ: LI 305 and six Upper Division credits in Spanish or equivalent. Alternate years.

S 411 ESPAÑOL AVANZADO (3-0-3). An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis on prose, style, vocabulary building, appropriateness of idiom and figures of speech, with major fiction and non-fiction works used as examples. Frequent essays required. PREREQ: S 303 and S 304. Course is conducted in Spanish. Alternate years.

S 425 LITERATURA MEXICANA-AMERICANA (3-0-3). Representative writings by major Mexican-American authors, with emphasis on social and literary values. PREREQ: S 331 or PERM/INST. Alternate years.

S 431 LITERATURA CONTEMPORANEA ESPAÑOLA (3-0-3). Literature of ideas in contemporary Spain through representative authors and works. Genesis of modern thought and new perspectives in today's Spain. PREREQ: S 331 or PERM/INST. Alternate years.

S 437 LITERATURA CONTEMPORANEO HISPANOAMERICANA (3-0-3). Literature of ideas in contemporary Spanish-America through major representative authors and works. Genesis of modern thought and new perspectives in today's Hispanic America. PREREQ: S 331 or PERM/INST. Alternate years.

S 445 LITERATURA ESPAÑOLA: SIGLOS XV Y XVI (3-0-3). The major manifestations of the Spanish language from 1700 to 1800, including the period of the Enlightenment, Realism, and Romanticism. PREREQ: S 331 or PERM/INST. Alternate years.

S 447 LITERATURA ESPAÑOLA: SIGLOS XVII (3-0-3). A detailed study of the representative movements, periods, works, and authors from 1700 to 1800. PREREQ: S 331 or PERM/INST. Alternate years.

S 455 EDAD DE ORO DE LA LITERATURA ESPAÑOLA (3-0-3). The main literary movements of the Golden Age in Spain (16-17th centuries), with emphasis on representative authors from each. PREREQ: S 331 or PERM/INST. Alternate years.

S 457 LITERATURA HISPANOAMERICANA: COLONIA Y SIGLO XVII (3-0-3). An introduction to the major authors, works, movements, and periods of the Spanish-American literature from the colonial time to the end of the 18th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 465 LITERATURA ESPAÑOLA MEDIEVAL Y RENACENTISTA (3-0-3). An introduction to the principal authors, works, movements and periods of Spanish literature, from its beginnings to the end of the 15th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 475 EVENTOS CONTEMPORANEOS DE GENTES Y PAISES HISPANOLIBRANTES (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events in Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems, issues and trends facing these people in their respective countries today. PREREQ: S 376 or S 377 or S 304 or PERM/INST.

S 498 SENIOR SEMINAR (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors with Literary Arts emphasis. PREREQ: Senior standing or PERM/INST.

II. TEACHER EDUCATION

S 088 EFFICIENT READING AND EFFECTIVE STUDY SKILLS (2-0-2)(F/S). Develops the reading and study skills of the college students. Areas covered are organized study techniques, taking exams, building vocabulary, comprehending reading material, gaining main ideas, using the library, and reading rapidly and flexibly. Graded pass/fail.

S 171 INTRODUCTION TO TEACHING: I. CLASSROOM OBSERVATION (1-0-1)(F). This course will provide the student with an introduction to the elementary school and the role of the teacher. Topics will include areas of specialization within the profession and a self-awareness of potential as an elementary school teacher. A minimum of ten hours of classroom observation and weekly seminars with a university instructor will be required.

S 201 FOUNDATIONS OF EDUCATION (3-0-3)(F/S/SU) (Area III). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include social, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.

S 202 FOUNDATIONS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-2)(F/S/SU). This course is designed to give the student a background in the psychological, linguistic, and cultural foundations of teaching English as a Second Language. The course also gives an overview of current trends in ESL and the preparation needed to teach ESL.

S 208 INTRODUCTION TO MICROCOMPUTERS IN EDUCATION (3-0-3)(F). This course introduces students to the use of microcomputers in education. Students will study the Basic computer language, terminology and concepts. Students will explore microcomputers in selecting hardware, becoming familiar with software, and explore the possibilities and limitations of computer assisted instruction in the classroom. $10.00 lab fee.

S 216 GRAMMAR AND LANGUAGE USAGE FOR TEACHERS (3-0-3). This course will provide instruction in the content of language arts curriculum generally taught in grades 4-8. Students will study the developmental sequence of grammar, punctuation, spelling, and language study appropriate to each grade level. The course will also include an introduction to writing instruction.

S 261 CHILD BEHAVIOR IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). The influence of the home and school environment will be examined in relation to child behaviors. Social and emotional areas of development will be emphasized. Parent and teacher manuals will be examined in relation to theories and appropriateness in managing young children's behavior.

S 271 INTRODUCTION TO TEACHING II: INSTRUCTIONAL EXPERIENCE (1-2-1)(F/S). This course will provide students with an opportunity to assist a teacher with a variety of instructional activities. Students will participate in seminars and a minimum of thirty hours of direct instructional experiences in the classroom which may include primary and lower grades, special education, reading and pre-school classrooms. PREREQ: TE 171.

S 278 MEXICAN AMERICAN TRADITION AND CULTURE IN THE ELEMENTARY CLASSROOM (3-0-2). An exploration of the Mexican-American cultural tradition, both with respect to its history as well as its influence on the contemporary American society. Focus will be on family, folklore, perspectives, customs, beliefs, and institutions. Conducted in English. Offered in alternate years.

S 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3)(F/S). The course shall provide students, through classroom presentation, visitations, and readings, an opportunity to develop knowledge and skills related to the education of the exceptional child. All categories of exceptionality shall be explored as to their educational and psychological implications. Legal requirements, community resources and instructional needs will be included. PREREQ: P 101 and TE 171.

S 305 TEACHING BEGINNING READING, K-3 (3-0-3)(F/S/SU). Prospective teachers will learn how to teach reading in the primary grades. Students will examine and demonstrate competency in using basal reading systems, the Language Experience approach, and individualization of reading instruction. PREREQ: Junior Standing.

S 306 TEACHING INTERMEDIATE READING GRADES 4-6 (3-0-3)(F/S/SU). Prospective teachers will learn how to teach reading in grades 4-6. Different group designs, the implementation of basal reader instruction, and individualization of reading still will be covered. Study skills, content area reading, word recognition skills, dictionary skills, research and library skills, and higher order cognitive skills will also be taught. PREREQ: Junior Standing.

S 307 READING IN THE CONTENT SUBJECTS, SECONDARY (3-0-3)(F/S/SU). This course provides an understanding of reading as a communication skill, and stresses the responsibility of teachers to teach the vocabulary of their specific discipline. It focuses upon the commonality of reading and study skills and the application of appropriate skills to the various content fields.
TE 316 CHILDREN'S LITERATURE (3-0-3)(F/S). This course will provide a survey of literature for children from preschool through early adolescence, with emphasis on recognition of excellence and the value of wide and varied reading experiences. Literature from diverse cultures as well as current issues in book selection will be included.

TE 322 IDENTIFICATION & DIAGNOSIS OF LIMITED ENGLISH PROFICIENT (LEP) STUDENTS (2-0-2)(F/S). Familiarizes future teachers with language proficiency tests. Instruments such as the Language Assessment Scales, Bilingual Syntax Measure, Basic Inventory of Language, Initial Language Dominance Test, Peabody Picture Vocabulary Test are studied. Students will learn to administer and interpret the results of these and other tests so as to properly place students in a level of ESL study.

TE 333 EDUCATING EXCEPTIONAL SECONDARY STUDENTS (1-0-1)(F/S). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed on classroom teaching models that enhance learning by special students.

TE 334 TEACHING IN SPECIAL EDUCATION (3-0-3)(S). This course shall provide students with the major theories and etiology regarding the handicapped. The specific categories of the emotionally impaired, the behavior disordered, the learning disabled, and the mentally retarded shall be emphasized. PREREQ: TE 291.

TE 341 LITERATURE FOR YOUNG ADULTS (3-0-3)(S). This course will provide an appraisal of literature, including a multicultural component, appropriate to the needs, interests and abilities of young adults. It is intended for librarians, teachers and others interested in working with young adults. PREREQ: Three credits of lower division literature.

TE 356 PRODUCTION OF AUDIO VISUAL MATERIALS (2-2-2)(F/S). Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in operating the equipment involved.

TE 358 CORRECTIVE READING (3-0-3)(S/SU). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, and upon materials and methods of teaching. Opportunity is offered to consider learning disabilities related to ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. PREREQ: TE 305.

TE 362 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). The preschool-primary curriculum will be examined in relation to readiness and academic skill development. An understanding of effective communication and conferring skills with parents will be emphasized. A variety of early childhood settings will be visited.

TE 381 SECONDARY SCHOOL METHODS (3-0-3). A study of the secondary school including methods and materials. Application is made to the students' teaching areas. Must be taken prior to student teaching. PREREQ: TE 201. Admission to Teacher Education.

TE 384 SECONDARY SCHOOL SCIENCE METHODS (3-0-3)(S). This course provides the theoretical and practical background for science instruction at the secondary level. Emphasis placed on the development of teacher competency in the use of inquiry methods, questioning techniques, and the development of higher reasoning skills in students. Use of technology in science teaching is also treated.

TE 385 SECONDARY SCHOOL SOCIAL STUDIES METHODS (3-0-3)(S). This course will examine effective methods for teaching secondary social studies. Curriculum organized effectively around a given theme or historical period format or by a single social science discipline or history will be studied and effective teaching strategies will be identified, analyzed and practiced. Prior completion of TE 381 Secondary School Methods is recommended.

TE 393 BEGINNING DRIVER EDUCATION (2-1-2). Designed to aid teachers in the instruction of beginning drivers and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control safety.

TE 394 ADVANCED DRIVER EDUCATION (2-1-2). Designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. PREREQ: TE 393.

TE 395 GENERAL SAFETY EDUCATION (3-0-3). Provides a comprehensive survey of general safety education, applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the school's role in safety relative to other public and private agencies.

TE 423 CURRICULUM FOR THE MODERATELY/SEVERELY HANDICAPPED (3-0-3)(F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severely emotionally disturbed will be studied in this course. PREREQ: TE 291, 430.

TE 423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3)(S). This course is designed to assist students in gaining skills necessary for teaching the moderately and severely handicapped. Updating of information and skills relative to research in this area will be given high priority. Students will be required to read recent literature and participate in classroom activity.

TE 425 TEACHING STRATEGIES FOR BEHAVIOR DISORDERS (3-0-3)(S). Provides strategies for instructing students with behavior disorders. Students will examine research, participate in classroom projects, and field test preferred curriculum models. PREREQ: TE 430 or PERM/INST.

TE 430 DIAGNOSIS OF THE HANDICAPPED (3-0-3)(F). Provides for the development of skills in identification and diagnosis of students referred for evaluation.

TE 451 REMEDIATION OF THE MILDLY/MODERATELY HANDICAPPED (3-0-3)(S). Provides the participants with an opportunity to develop the necessary skills in remedial planning for the exceptional student, through the analysis of long term objectives and the individual instructional plan required for effective remediation. PREREQ: TE 430 or PERM/INST.

TE 440 INSTRUCTIONAL MATERIALS FOR THE EXCEPTIONAL CHILD (3-0-3)(F). Development of techniques in the evaluation and utilization of instructional materials and equipment by teachers of exceptional children will be the emphasis of this course. A survey and use of those materials available in the Boise State Curriculum Resource Center as well as those available in local school districts will provide the materials base.

TE 450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(S). This course is designed for teachers, counselors, and administrators to gain an understanding of the principles of behavior and the application of behavioral analysis to the remediation of behavior disorders. The major emphasis will be based upon the Learning Theory Model. Development of an intervention strategy to deal with the relationship of behavior to the environment will be stressed. PREREQ: TE 291.

TE 451 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F/S/SU). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). First course in a two semester sequence. PREREQ: M 103, M 105.

TE 452 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F/S). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). First course in a two semester sequence. PREREQ: TE 451.

TE 453 READING AND LANGUAGE ARTS IN THE BILINGUAL CLASSROOM (2-0-2). Develops an understanding of various approaches to reading instruction. Includes review of materials and media development of criteria for selection of appropriate instructional materials, instruction given in both English and Spanish. PREREQ: S 101, 102, 201, and 202 or S 203.

TE 454 TEACHING CONTENT IN THE BILINGUAL CLASSROOM (3-0-3)(S). This course includes instructional strategies in mathematics, science and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English languages. PREREQ: S 101, 102, 201, and 202 or S 203.

TE 455 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S/SU). This course acquaints teachers with a variety of approaches and methods of teaching ESL, such as the Audio Linguistic, Cognitive, Situational Response, Silent Way approaches, etc. Individualized instruction, small group instruction and teaching learning centers are major areas of discussion. PREREQ: TE 221, 322.

TE 457 CLASSROOM MANAGEMENT SKILLS (2-0-2)(F/S). This course will provide prospective elementary and special teachers with skills in establishing and maintaining productive student learning. Practical, specific guidelines on classroom management can take to promote appropriate behavior and effective relationships will be learned. PREREQ: P 311, P 325.

TE 463C INFANT EDUCATION (3-0-3)(SU). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant—birth to three—will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

TE 465 CREATING MATERIALS IN EARLY CHILDHOOD EDUCATION (3-0-3)(S/SU). Students will become familiar with a wide variety of inexpensive classroom materials. They will design and make usable materials that are best suited to meet the objectives of their particular curriculum, as well as individual children's needs. Students will try out and evaluate materials with children. Students will be expected to supply some of the materials.

TE 471 ELEMENTARY STUDENT TEACHING (0-20-5)(F). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. Graded pass/fail.

TE 472 ELEMENTARY STUDENT TEACHING (0-20-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. Graded pass/fail.

TE 473 ELEMENTARY STUDENT TEACHING IN SPECIAL EDUCATION (0-20-5)(F). Supervised teaching in a resource or self-contained special education classroom. PREREQ: Required course work in special education and approval for...
placement in a special education setting. Graded pass/fail.

TE 474 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-3)(F). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. Prerequisite: S 202, TE 453, TE 454. Graded pass/fail.

TE 475 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-3)(S). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. Prerequisite: S 202, TE 453, TE 454. Graded pass/fail.

TE 482 JUNIOR-HIGH/MIDDLE SCHOOL STUDENT TEACHING (0-14-8)(F/S). Supervised student teaching in a junior high school or middle school. The student will be placed with a cooperating teacher for eleven weeks in his major/minor field under the supervision of university faculty. Prerequisite: Prior acceptance to student teaching; TE 201, 281. Corequisite: TE 486. Graded pass/fail.

TE 483 SENIOR-HIGH SCHOOL STUDENT TEACHING (0-14-8)(F/S). Supervised student teaching in a senior high school. The student will be placed with a cooperating teacher for eleven weeks in his major/minor field under the supervision of university faculty. Prerequisite: Prior acceptance for student teaching; TE 201, 281. Corequisite: TE 487. Graded pass/fail.

TE 484 JUNIOR HIGH/MIDDLE SCHOOL STUDENT TEACHING—COMPOSITE (0-10-6)(F/S). Supervised student teaching in the junior high/middle school. The student will be placed with a cooperating teacher for approximately one-half of the semester in his major and/or minor field under the supervision of university faculty. The other half of the semester will be in a senior high school. Prerequisite: Prior acceptance for student teaching; TE 201, 281. Corequisite: TE 485, 486, 487. Graded pass/fail.

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING—COMPOSITE (0-10-6)(F/S). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for approximately one-half of the student's major and/or minor field under the supervision of university faculty. The other half of the semester will be in a junior high or middle school. Prerequisite: Prior acceptance for student teaching; TE 201, 281. Corequisite: TE 484, 486, 487. Graded pass/fail.

TE 486 THE JUNIOR HIGH/MIDDLE SCHOOL (1-0-1)(F/S). This course will examine the characteristics of students, teaching methods, classroom management, curricula, and other problems and aspects specific to the junior high/middle school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. Prerequisite: TE 201, 281. Corequisite: TE 482 or 484.

TE 487 THE SENIOR HIGH SCHOOL (1-0-1)(F/S). This course will examine the characteristics of students, teaching methods, classroom management, curricula, and other problems and aspects specific to the senior high school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. Prerequisite: TE 201, 281. Corequisite: TE 483 or 485.

TE 489 SEMINAR: CONFLICT IN THE EDUCATIONAL SYSTEM (2-0-2). An interdisciplinary social science approach to practical educational considerations raised by authority, communication, culture, language, social stratification, personality differences, and other sources of conflict in education.

Graduate (See Graduate School Section for course descriptions)


TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED STUDENTS (3-0-3)(F).

TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY/SEVERELY HANDICAPPED (3-0-3)(S).

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S).

TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S).

TE 520 EDUCATIONAL MEDIA (3-0-3)(SU).

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(F/S).

TE 523 EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3)(F/S).

TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S).

TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(F).

TE 543 RESEARCH AND REVIEW IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).

TE 544 ADVANCING PHYSICAL AND INTELLECTUAL COMPETENCIES IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).

TE 545 CREATIVITY IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).

TE 546 DIAGNOSIS AND EVALUATION IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).

TE 547 LANGUAGE ACQUISITION AND DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).

TE 548 PROGRAM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).

TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3)(S).

TE 559 VALUES AND IDEOLOGIES IN EDUCATION (3-0-3)(S).

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(SU).

TE 564 CREATIVE TEACHING—SECONDARY SCHOOL (1-0-1)(SU).

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(SU).

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(SU).

TE 568 TECHNOLOGIES OF CLASSROOM MANAGEMENT (1-0-1)(SU).

TE 570 GRADUATE CORE-ISSUES IN EDUCATION (3-0-3)(SU).

TE 571 GRADUATE CORE-DIRECTED WRITING (3-0-3)(SU).

TE 573 CREATIVE TEACHING—ELEMENTARY SCHOOL (1-0-1)(SU).

TE 574 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(S).

TE 590 PRACTICUM (V-V-V).

TE 591 PROJECT (V-V-V).

TE 593 THESIS (V-V-V).