Philosophy

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

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

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

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

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

Objectives

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

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

2. To offer programs of study leading to the Masters degree in:
   - A. Raptor Biology (Master of Science);
   - B. English (Master of Arts);
   - C. Geology (Master of Science), in cooperation with Idaho State University;
   - D. Geophysics (Master of Science), in cooperation with University of Idaho and Idaho State University;
   - E. Performance/Pedagogy (Master of Music);
   - F. Secondary Education (Master of Arts or Science), with majors in various departments. See Graduate College section.

3. Minors: To offer programs of study leading to minors in Art, Biology, Chemistry, English, French, German, Mathematics, Music, Philosophy, Physics, Spanish and Theatre Arts. See respective department for the specific requirements.

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

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

Activities

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

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

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

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

General University & Basic Core Requirements Credits 51

Art Major Requirements Credits 32

Painting ........................................ 8
Drawing .......................................... 8
Art History ...................................... 12
Watercolor ...................................... 4
Basic Design AR 105-106 ....................... 6
Intro to Printmaking AR 209 .................... 2
Sculture .......................................... 2
Ceramics ...................................... 2
Art Metals ..................................... 2
*Senior Show AR 410 .......................... 1
Senior Seminar AR 498 ......................... 3

Major Emphasis Credits 39

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

*Senior show is not required of Art History majors.

Elective Credits 38

TOTAL 128

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

ART EDUCATION

Bachelor of Fine Arts Credits 32

Art Major Requirements Credits 32

Painting ........................................ 6
Drawing .......................................... 8
Art History ...................................... 12
Watercolor ...................................... 4
Basic Design AR 105-106 ....................... 6
Intro to Printmaking AR 209 .................... 2
Sculture .......................................... 2
Ceramics ...................................... 2
Art Metals ..................................... 2
*Senior Show AR 410 .......................... 1
Senior Seminar AR 498 ......................... 3

Elective Credits 9-11

TOTAL 128

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

GRAPHIC DESIGN

Bachelor of Fine Arts Credits 32

Art Major Requirements Credits 32

Painting ........................................ 6
Drawing .......................................... 8
Art History ...................................... 12
Watercolor ...................................... 4
Basic Design AR 105-106 ....................... 6
Intro to Printmaking AR 209 .................... 2
Sculture .......................................... 2
Ceramics ...................................... 2
Art Metals ..................................... 2
*Senior Show AR 410 .......................... 1
Senior Seminar AR 498 ......................... 3

Elective Credits 9-11

TOTAL 128

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

Minimum Criteria for Upper Division Admission in Graphic Design:

1. Admission to BSU.
2. Successful completion of these lower division courses: Basic Design AR 105-106; Typography and Letterforms AR 117; Typography and Layout AR 118; Drawing AR 111-112; Painting AR 113; Graphic Design I AR 203; Survey of Western Art AR 101 and 102.
3. GPA of 3.0 in both art and core courses.
4. Completion of 50 hours which includes courses in progress.
5. Submission of a portfolio whose primary focus is Graphic Design.
6. Submission of a 500-1000 word essay which is reflective of the student’s insights regarding their chosen major.
7. Application with transcript, essay and portfolio by October 1 for Spring semester and March 1 for Fall semester.

**GRAPHIC DESIGN**

**Bachelor of Arts Program**

**General University & Basic Core Requirement Credits** ........................................... 51

**Art Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphic Design AR 203, 204, 303-304</td>
<td>12</td>
</tr>
<tr>
<td>Painting AR 113, 114</td>
<td>4</td>
</tr>
<tr>
<td>Drawing AR 111-112-211 (Anatomy)</td>
<td>6</td>
</tr>
<tr>
<td>Illustration 1 AR 361</td>
<td>6</td>
</tr>
<tr>
<td>Basic Design AR 105-106</td>
<td>6</td>
</tr>
<tr>
<td>Typography and Letterforms AR 117</td>
<td>3</td>
</tr>
<tr>
<td>Typography and Layout AR 118</td>
<td>3</td>
</tr>
<tr>
<td>Computer Design for Graphic Designers &amp; Artists AR 333</td>
<td>4</td>
</tr>
<tr>
<td>Art History 2 AR 489</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Credits** .............................................................. 23

**Total Credits** ......................................................... 133

**NOTE:** A minimum of 40 credit hours of a total 133 must be Upper Division.

**GRAPHIC DESIGN**

**Bachelor of Fine Arts Degree**

**General University & Core Requirements Credits** ........................................... 32

**Art Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Graphic Design AR 203, 204, 303-304</td>
<td>12</td>
</tr>
<tr>
<td>Painting AR 113, 114</td>
<td>4</td>
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<tr>
<td>Watercolor</td>
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<tr>
<td>Drawing AR 111-112-211 (Anatomy)</td>
<td>6</td>
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<tr>
<td>Sculpture, Ceramics, Art Metals</td>
<td>2</td>
</tr>
<tr>
<td>Illustration 1 AR 361</td>
<td>6</td>
</tr>
<tr>
<td>Basic Design AR 105-106</td>
<td>6</td>
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<tr>
<td>Visual Design AR 305</td>
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<tr>
<td>Computer Design for Graphic Designers &amp; Artists AR 333</td>
<td>4</td>
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<tr>
<td>Computer Graphics for Graphic Designers AR 483</td>
<td>3</td>
</tr>
<tr>
<td>Typography and Letterforms AR 117</td>
<td>3</td>
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<tr>
<td>Typography and Layout AR 118</td>
<td>3</td>
</tr>
<tr>
<td>Art History 2 AR 489</td>
<td>4</td>
</tr>
<tr>
<td>Photography AR 251, 341 or 344</td>
<td>6</td>
</tr>
</tbody>
</table>

**Upper Division Admission: The BFA major in Illustration requires admission to upper division standing by special application with the Art Department. All prospective illustration majors are therefore required to meet the following "Minimum Criteria for Upper Division Admission" before applying to Upper Division.**

**Minimum Criteria for Upper Division Admission to Illustration:**

1. Admission to BSU.
2. Successful completion of the following courses (or equivalent courses):
   - Basic Design AR 105-106; Drawing AR 111-112-211-212; Painting AR 113, 114; Illustration 1 AR 361; Typography and Layout AR 118; and Survey Western Art AR 101 and 102.
   - GPA of 3.0 in both art and core courses.
   - Completion of at least 50 credit hours, including courses in progress the application semester.
   - Submission of a portfolio whose primary focus is Illustration/Painting/Graphic Design.
   - Submission of a 500-1000 word essay which is reflective of the student’s insights regarding the chosen major.
   - Application with transcript, essay and portfolio by October 1 for Spring semester and March 1 for Fall semester.

**Recommended Programs**

**ART MAJOR**

**BA General-Painting, Drawing or Art History**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
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<tbody>
<tr>
<td>FRESHMAN YEAR</td>
<td>SURVEY WESTERN ART AR 101, 102</td>
<td>3</td>
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<tr>
<td>Survey Western Art AR 101, 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drawing AR 111-112</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Painting AR 113, 114</td>
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<td>Basic Design AR 105-106</td>
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<td>3</td>
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<tr>
<td>English Composition E 101-102</td>
<td>3</td>
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<tr>
<td>AREA I - AREA III</td>
<td>3</td>
<td>4</td>
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<tr>
<td>AREA I</td>
<td>16</td>
<td>17</td>
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<tr>
<td>SOPHOMORE YEAR</td>
<td>ANATOMY AR 211</td>
<td>2</td>
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<tr>
<td>Anatomy AR 211</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Ceramics AR 225</td>
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<tr>
<td><strong>Painting AR 215</strong></td>
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<tr>
<td><strong>Sculpture AR 231</strong></td>
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<tr>
<td><strong>Art Metals AR 221</strong></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>AR 251</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>AR 341/344</strong></td>
<td>3</td>
<td>3</td>
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<tr>
<td><strong>Sculpture, Metals or Ceramics</strong></td>
<td>4</td>
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</tr>
<tr>
<td><strong>Upper Division Art Elective</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
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<td>4</td>
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<tr>
<td>TOTAL</td>
<td>15</td>
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**SENIOR YEAR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>Art History AR 301</td>
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<tr>
<td>Intro to Printmaking AR 209</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Studio in Painting AR 315</strong></td>
<td>3</td>
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<tr>
<td>AREA I - Area II</td>
<td>3</td>
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</tr>
<tr>
<td>AREA II - Area I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division Electives</td>
<td>4</td>
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<tr>
<td>TOTAL</td>
<td>15</td>
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</tbody>
</table>

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History AR 301</td>
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</tr>
<tr>
<td>Art History AR 301</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Printmaking AR 209</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Studio in Painting AR 315</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>AREA I - Area II</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>AREA II - Area I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division Electives</td>
<td>4</td>
<td>4</td>
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<tr>
<td>TOTAL</td>
<td>15</td>
<td>16</td>
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</tbody>
</table>

**ART MINOR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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</thead>
<tbody>
<tr>
<td>Survey of Western Art AR 101, 102</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Drawing AR 105</td>
<td>3</td>
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<tr>
<td>Painting AR 111</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Sculpture, Metals or Ceramics</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Upper Division Art Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>22</td>
<td>22</td>
</tr>
</tbody>
</table>

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

**Professionals:**
- Bachelor of Arts - 1st year
  - Survey of Western Art AR 101, 102
  - Drawing AR 111-112
  - Painting AR 113, 114
  - Basic Design AR 105-106
  - English Composition E 101-102
- Anatomy - Life Drawing AR 211-212
- Watercolor AR 217, 218
- Ceramics AR 225
- Sculpture AR 231
- Art Metals AR 221
- **20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.**

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

**ARTMAJOR (For Educators)**

- Bachelor of Arts - 1st year
  - Survey of Western Art AR 101, 102
  - Drawing AR 111-112
  - Painting AR 113, 114
  - Basic Design AR 105-106
  - English Composition E 101-102
- Anatomy - Life Drawing AR 211-212
- Watercolor AR 217, 218
- Ceramics AR 225
- Sculpture AR 231
- Art Metals AR 221
- **20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.**

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

**BFA Sculpture Major or Printmaking, Art Metals, Photography, Ceramics, Watercolor**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>Survey of Western Art AR 101, 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drawing AR 111-112</td>
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<td>2</td>
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<tr>
<td>Painting AR 113, 114</td>
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<tr>
<td>Basic Design AR 105-106</td>
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<td>3</td>
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<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy - Life Drawing AR 211-212</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Watercolor AR 217, 218</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ceramics AR 225</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Sculpture AR 231</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Art Metals AR 221</td>
<td>2</td>
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<tr>
<td><strong>20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.</strong></td>
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</table>

**JUNIOR YEAR**

- **Advanced Drawing AR 311**
  - Art History AR 301, 302
  - AREA I Literature - AREA II
  - Electives

**SENIOR YEAR**

- Senior Seminar AR 498
- Senior Show AR 410
- **20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.**

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

## Bachelor of Fine Arts

### K-12 Option

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>Art History AR 101, 102 AREA I</td>
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<tr>
<td>Basic Design AR 105-106 AREA I</td>
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<tr>
<td>English Composition E 101-102</td>
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<td>Drawing AR 111-112</td>
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<tr>
<td>Painting AR 113, 114</td>
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<tr>
<td>Crafts AR 123</td>
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<tr>
<td>Elective</td>
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<td><strong>SOPHOMORE</strong></td>
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<tr>
<td>Drawing AR 211-212</td>
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<tr>
<td>Watercolor AR 217, 218</td>
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<td>Ceramics AR 225</td>
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<td>Intro to Printmaking AR 209</td>
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<td>AREA I Literature</td>
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<td>AREA II History</td>
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<tr>
<td><strong>JUNIOR</strong></td>
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<td>Painting AR 215</td>
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<tr>
<td>AREA II-Any Field</td>
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<tr>
<td>Elementary School Art Methods AR 321</td>
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<tr>
<td>Educ. Excep. Secondary Student TE 333</td>
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<td>Educational Psychology TE 225</td>
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<td>Reading in Content Subject TE 407</td>
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<td><strong>SENIOR</strong></td>
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<td>Second. School Art Methods AR 351</td>
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<tr>
<td>Upper Division Art History</td>
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<tr>
<td>Sculpture AR 231</td>
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<tr>
<td>Senior Show AR 410</td>
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<tr>
<td>Senior Seminar AR 498</td>
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<tr>
<td>Educational Technology TE 356</td>
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<td>Secondary Student Teaching K-12</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>129-131 (14)</td>
<td>including 40 Upper Division Credits and 20 credits in studio emphasis area.</td>
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## Bachelor of Arts

### 6-12 Option

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>Art History AR 101, 102 AREA I</td>
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<td>Basic Design AR 105-106 AREA I</td>
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<td>English Composition E 101-102</td>
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<tr>
<td>Drawing AR 111-112</td>
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<td>Painting AR 113, 114</td>
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<tr>
<td>Crafts AR 123</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>SOPHOMORE</strong></td>
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<td>Found of Education TE 201 AREA II-3rd Fld</td>
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<tr>
<td>Drawing AR 211</td>
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<tr>
<td>Watercolor AR 217, 218</td>
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<td>2</td>
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<tr>
<td>Ceramics AR 225</td>
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<td>Intro to Printmaking AR 209</td>
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<td>AREA I Literature-1st Field</td>
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<td>AREA III-1st &amp; 2nd Field</td>
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<td>AREA II-Any Field</td>
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<tr>
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<td><strong>JUNIOR</strong></td>
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<td>Sculpture AR 231</td>
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<tr>
<td>Crafts AR 123</td>
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<td><strong>SENIOR</strong></td>
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<td>Second. School Art Methods AR 351</td>
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<td>Senior Show AR 410</td>
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<td>Senior Seminar AR 498</td>
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<td>Educational Technology TE 356</td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>128 (19)</td>
<td>including 40 Upper Division Credits and 20 credits in studio emphasis area.</td>
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</table>

## ART EDUCATION MAJOR

### Bachelor of Arts

### 6-12 Option

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>English Composition E 101-102</td>
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<td>Basic Design AR 105-106 AREA I</td>
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<td>Drawing AR 111-112</td>
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<td>English Composition E 101-102</td>
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<tr>
<td>AREA II</td>
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</table>

## GRAPHIC DESIGN

### Bachelor of Arts

<table>
<thead>
<tr>
<th>Year</th>
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<th>Semester 2</th>
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<tr>
<td><strong>FRESHMAN</strong></td>
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<td>Basic Design AR 105-106</td>
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<tr>
<td>Typography &amp; Letterforms AR 117</td>
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<tr>
<td>Typography &amp; Layout AR 118</td>
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<tr>
<td>Drawing AR 111-112</td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>AREA II</td>
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</tbody>
</table>
College of Arts and Sciences

Bachelor of Fine Arts

GRAPHIC DESIGN

**SOPHOMORE YEAR**
- Painting AR 113, 114 .................................................. 2
- Graphic Design I & II AR 203 & 204 .......................... 3
- Anatomy AR 211 ..................................................... 2
- Intro Creative Photo AR 251 .................................. 3
- Comptr Des for Graphic Designers & Artists AR 333 4
- AREA I .................................................................. 3
- AREA II .................................................................. 3
- AREA III .............................................................. 4

- JUNIOR YEAR
  - Watercolor AR 217 .................................................. 2
  - Studio in Graphic Design AR 303 .......................... 3
  - Advanced Studio in Graphic Design AR 304 3
  - Illustration I AR 361 ............................................. 3
  - Intro Printmaking AR 209 ...................................... 2
  - Photography AR 341 or 344 ............................... 3
  - AREA I .................................................................. 3
  - AREA II .................................................................. 3
  - AREA III .............................................................. 4
  - Electives ............................................................. 2

- SENIOR YEAR
  - Senior Research for Graphic Designers AR 489 1
  - Senior Seminar AR 498 .......................................... 3
  - Photography AR 341 ............................................ 3
  - AREA I .................................................................. 3
  - AREA II .................................................................. 3
  - AREA III .............................................................. 4
  - Upper Division Electives ................................. 5

**TOTAL:** 133 credits, including 40 Upper Division Credits.

**FRESHMAN YEAR**
- Bachelor of Fine Arts

- **GRAPHIC DESIGN**
- Survey Western Art AR 101, 102 ............................... 3
- Basic Design AR 105-106 ...................................... 3
- Typography and Layout AR 118 .............................. 3
- Typography & Letterforms AR 117 .......................... 3
- Drawing AR 111-112 .............................................. 2
- English Composition E 101-102 ............................. 3
- Upper Division Art History ........................................
- AREA I .................................................................. 3
- AREA II .................................................................. 3
- AREA III .............................................................. 4
- Electives ............................................................. 5

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

**PRE-ARCHITECTURAL PROGRAM**

Boise State University offers courses that can be used for a 2 to 2 1/2 year Pre-Architectural program. This program is preparatory and should be transferable to most architectural schools. Some universities offer a degree in Architectural Engineering. If interested in this type of degree the student should follow the Civil Option under the Engineering curriculum.

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

- **TOTAL:** 16 credits

**SOPHOMORE YEAR**
- General Physics PH 101-102 .................................. 4
- Basic Architecture Design AR 256 .......................... 3
- History of American Architecture AR 270 ........ 3
- History Modern American Architecture AR 271 .. 3
- Materials & Methods of Architecture AR 290 ...... 3
- Interior Decoration AR 131 (Optional) .............. 2
- Computer Design for Graphic Designers & Artists AR 333 or 24
- Digital Computer Programming EN 104 ................ 3
- Engineering Measurement EN 216................. 3
- Art Elective .......................................................... 2

- **TOTAL:** 15 credits

**NOTE:** University core classes may be used in place of optional courses in the program, or to extend the time you wish to take courses at Boise State University.
Course Offerings

See page 23 for definition of course numbering system

AR ART

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

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 basic fundamentals of drawing and painting.

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

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

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

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

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

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

AR 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 explored 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 Painting concurrently with AR 113. Limited enrollment spring semester.

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

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 117 TYPOGRAPHY AND LETTERFORMS (2-2-3)(F). The course introduces the student to the history and development of type. Students will draw and evaluate specific typefaces and learn to distinguish their formal and evocative qualities. The communicative potential of the typeform will be discovered through assignments which are primarily experimental and compositional in nature. Advisable to take concurrently with AR 105.

AR 118 TYPOGRAPHY AND LAYOUT (2-2-3). A study of typography as a design element and communicative tool as used by the graphic designer. Layout and an introduction to the systems used for organizing type will be covered. PREREQ: AR 117 or PERM/INST.

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 DESIGN (2-1-2)(F). 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 156 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3)(S). Introduction to the principles of Architectural Graphic Communication; to explore graphics through projects and lectures.

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

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

AR 303 STUDIO IN GRAPHIC DESIGN (0-6-3)(F). The role of the computer in the modern practice of Graphic Design is stressed. Limited computer lab time is available during class. Emphasis is on conceptualizing and the development of a personal problem-solving methodology. Particular attention is given to development of precise verbal presentation skills. PREREQ: AR 333.

AR 304 ADVANCED STUDIO IN GRAPHIC DESIGN (0-6-3)(S). Continued exploration of the role of computers in modern design. Problems of a more complex nature are presented. Students are encouraged to develop and expand both the verbal and visual elements within a design problem. Verbal presentation skills and written rationales are integrated within the visual format. PREREQ: AR 303, AR 333.

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

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

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

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

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

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

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

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

AR 319 PORTRAIT PAINTING (0-6-3)(S). Painting from models in realistic or semi-abstract styles based on individual interests. Focus on creative approaches to portraiture. Model fee. May be repeated for credit. PREREQ: AR 211 or PERM/INST. Advisable to take AR 114, 212 and 219 prior to AR 319.

AR 321 ELEMENTARY SCHOOL ART METHODS (3-1-3). This course is designed to prepare future elementary and art education teachers in awareness, skills, theories, and practices in K-8 art education. Child growth and development, curriculum selection and planning, classroom behavior and assessment strategies, and basic historical aesthetic learning methods will be addressed. Students will demonstrate technical and artistic skills and mastery with K-8 art materials, and will design, teach, and assess art lessons. Optional lab hours available. Materials fee. PREREQ: Upper Division standing.

AR 325 STUDIO IN CERAMICS (0-6-3)(F). Advanced study in the materials of ceramics with emphasis on exploration of clays, glazes, and firing in earthenware, stoneware, and porcelain. Individual instruction will be given. PREREQ: AR 225 or 226 or PERM/INST.

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

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

AR 333 COMPUTER DESIGN FOR GRAPHIC DESIGNERS AND ARTISTS (2-4-3)(F). This course will familiarize the student with current programs for publication design, electronic prepress methods, illustration, fine art, photo manipulation and interactive programming. Available software includes the latest in illustration, graphic design, three-dimensional applications, animation, paint and interactive programs. PREREQ: PERM/INST.

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

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

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

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

AR 351 SECONDARY SCHOOL ART METHODS (3-2-3)(F). For students expecting to teach art education at the junior and senior high school levels. Includes pedagogical, philosophical, and methodological issues and guidelines for developing an instructional design, development and assessment; essential information about materials, safety, and aesthetics. An educational portfolio and 30 hours of clinical experience are required in a 6-12 setting.

AR 361 ILLUSTRATION I (0-6-3)(F). Survey of historical and contemporary illustration materials, techniques and styles. Focus on Creative Communicative solutions to visual problems. PREREQ: AR 112, AR 105 and AR 106.

AR 362 ILLUSTRATION II (0-6-3). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on individual problem solving. Individually selected media. PREREQ: AR 361 and PERM/INST.


AR 409 STUDIO IN PRINTMAKING (0-6-3)(F). Individual problems in any of the following specialized areas, each of which may be repeated once for credit. PREREQ: AR 309.

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

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

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

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

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

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

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

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

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

AR 461 STUDIO IN ILLUSTRATION (0-6-3)(F). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on development of an individual visual voice through advanced interpretive problem solving. PREREQ: AR 362 and PERM/INST.

AR 462 ADVANCED STUDIO IN ILLUSTRATION (0-6-3)(F). Exploration of the editorial applications of illustration (e.g., book, magazine, visual essay). Focus on the creative interpretation of an individual voice through the utilization of sequential imagery. Individually selected media. PREREQ: AR 461 and PERM/INST.

AR 465 SENIOR PROJECT IN ILLUSTRATION (0-6-3)(S). Culminating original project for illustration major(s), including a formal presentation or exhibition. PREREQ: AR 462 and PERM/INST.

AR 477 GRAPHICOM (4-0-4)(F/S). This class provides students the opportunity to work with Boise area non-profit organizations in need of design assistance. Computer-aided design and print production are stressed. Initial client contacts are provided during class. Emphasis is on conceptualizing and the development. of a personal approach to picture taking and printing in color. Adjustable camera required. PREREQ: AR 251 or PERM/INST.
AR 483 COMPUTER GRAPHICS FOR GRAPHIC DESIGNERS (O-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly explored on the computer. PREREQ: AR 333.

AR 489 SENIOR RESEARCH FOR GRAPHIC DESIGNERS (O-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly researched and investigated, this process culminating in a finished design. The design process and development of a personal problem-solving methodology are emphasized. All original work will be visually documented and substantiated through an organized presentation. Work completed in this class may be viewed as preparation for Senior Show AR 410. Work will be critiqued individually at the end of the semester. PREREQ: AR 303.

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

Department of Biology

Science/Nursing Bldg., Rm. 223  Telephone (208) 385-3262

Chair and Associate Professor: James A. Long; Professors: Baker, Bechard, Centanni, Douglas, Fuller, McCluskey, Rycart, Wicklow-Howard; Associate Professors: Dufty, Wylie; Assistant Professors: Munger, Ott, Smith.

Degrees Offered

- BS in Biology
- BS in Biology, Secondary Education
- Biology Minor
- MS in Raptor Biology (see Graduate College for program details.)
- Pre-Forestry and Wildlife Management
- Minor in Environmental Studies (see page 31-32)

Degree Requirements

BIOLOGY MAJOR
Bachelor of Science

1. General University & Baccalaureate Degree requirements Credits 30
2. Major Requirements Biology Credits 45

Biology Core

- General Botany BT 130 4
- General Zoology Z 230 5
- Cell Biology B 301 3
- Genetics B 343 3
- Ecology B 423 4
- Biology Seminar B 498 or 499 1

Physiology - one course

- Plant Physiology BT 401 4
- Human Physiology Z 401 4

Morphology - one course

- Plant Anatomy BT 302 4
- Plant Morphology BT 311 4
- Comparative Vertebrate Anatomy Z 301 4
- Vertebrate Embryology Z 351 4
- Vertebrate Histology Z 400 4

- Biology Electives to total 45 credits 17

3. Chemistry

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

4. Mathematics

- Algebra & Trigonometry M 111 5
- Four or more credits chosen from the following:
  - Applied Statistics with the Computer M 120 4
  - Introduction to Pascal CS 113 2
  - Introduction to C CS 115 2
  - Digital Computer Program CS 124 or EN 104 2
  - Introduction to Computer Science CS 125 3
  - Calculus and Analytic Geometry M 204 5

5. Education Requirements Credits 29-35

The following are required for Secondary Teaching Certification in Idaho:

- Intro Second Teach: Clsm Obs TE 172 1
- Foundations of Education TE 201 3
- Educational Technology TE 356 2
- Reading in Content Subjects TE 407 3
- Educ Except Secondary Student TE 333 1
- Educational Psychology TE 225 3
- Secondary School Methods TE 381 3
- Secondary School Science Methods TE 384 3
- Secondary School Student Teaching 10-16

6. Elective Credits 0-1

* Biology Electives to total 45 credits

BIOLOGY MINOR

Bachelor of Science

1. General University & Baccalaureate Degree requirements Credits 30
2. Major Requirements Biology Credits 45

Biology Core

- General Botany BT 130 4
- General Zoology Z 230 5
- Cell Biology B 301 3
- Genetics B 343 3
- Ecology B 423 4
- Biology Seminar B 498 or 499 1

** Biology Electives 10

- Upper Division Botany
- Upper Division Zoology 3-4
- Additional B, BT, or Z elective 2-3

3. Chemistry

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

4. Mathematics

- Algebra & Trigonometry M 111 5
- Four or more credits chosen from the following:
  - Applied Statistics with the Computer M 120 4
  - Introduction to Pascal CS 113 2
  - Introduction to C CS 115 2

** Biology Electives

- Calculus and Analytic Geometry M 204 5

with at least one upper division course.

TOTAL 49

Secondary Education Option—Major Endorsement

1. General University & Baccalaureate Degree requirements Credits 30
2. Major Requirements Credits

Biology Core

- General Botany BT 130 4
- General Zoology Z 230 5
- Cell Biology B 301 3
- Genetics B 343 3
- Ecology B 423 4
- Biology Seminar B 498 or 499 1

** Biology Electives 10

- Upper Division Botany
- Upper Division Zoology 3-4
- Additional B, BT, or Z elective 2-3

3. Chemistry

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

4. Mathematics

- Algebra & Trigonometry M 111 5
- Four or more credits chosen from the following:
  - Applied Statistics with the Computer M 120 4
  - Introduction to Pascal CS 113 2
  - Introduction to C CS 115 2

** Biology Electives

- Calculus and Analytic Geometry M 204 5

with at least one upper division course.

TOTAL 49
5. Education Requirements Credits 29-35

Secondary Education Option—Minor Endorsement in Biology

1. General University & Baccalaureate Degree Requirements 20-21
   * Area I Electives 3
   * Area II Electives 3
   * Area III Electives 3

2. Major Endorsement Credits 30
   General Botany BT 130 4
   Cell Biology B 301 4

3. Minor Endorsement in Biology Credits 20-21
   General Botany BT 130 4
   Microbiology B 205 4
   General Zoology Z 230 5
   Elective course in Botany 4
   Elective course in Zoology 3-4

4. Education Requirements Credits 29-35
   * A maximum of 4 credits of independent study and 4 credits of internship (8 credits total) may be counted towards fulfillment of the Biology Electives. Internships will be graded Pass/Fail.

5. Electives Credits 12-15

**Recommended Program**

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Other courses offered by the Biology Department that are applicable to various programs within the College of Forestry, Wildlife, and Range Sciences at the U of L. Include: Microbiology B 205; Ecology B 423; Plant Physiology BT 401; Comparative Anatomy Z 301; Ornithology Z 341; Mammalogy Z 421...

In many cases, if the student has decided upon the specific option in which they wish to receive a degree, it is possible to attend Boise State for 3 years and complete the program of study at U of L in 2 additional years.
Biology

Lower Division

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

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

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

Upper Division

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

B 301 CELL BIOLOGY (3-0-3)(S). Structure and function of prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal and nonchromosomal, 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. Offered odd-numbered years. 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 (0-6-2)(F). A course in the techniques of culturing and analyzing the genetic material of Drosophila, yeast, microorganisms, viruses, and plant cells. Experiments in classical, molecular, and population genetics will be performed. Exercises with recombinant DNA molecules will be included. Periodic reports will be submitted. Some laboratory time will be arranged. PREREQ: prior or concurrent enrollment in B 343 required.

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

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

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

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

B 423-423G ECOLOGY (3-3-4)(F). 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 interactions of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, populations, communities, pollution, etc. Weekend field trips may be taken. PREREQ: BT 130, Z 230, PERM/INST.

B 496, 499 BIOLOGY SEMINAR (1-0-1)(F/S). A review of pertinent literature on selected topics. Restricted to senior Biology majors.

Graduate Courses

See Graduate College section of this catalog for course descriptions.

Botany

Lower Division

BT 130 GENERAL BOTANY (3-3-4)(F/S)(AREA III). An introduction to plant biology, which includes the study of cells, genetics whole plant physiology and functions, ecology, classification, and economic importance. Prior enrollment in high school Chemistry or prior or concurrent enrollment in college Chemistry is recommended.

Upper Division

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

BT 305 SYSTEMATIC BOTANY (2-4-4)(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)(F). A comparative study of the structure, function, reproduction, and development of major plant groups. Phylogeny, paleobotany, and economic importance of various plant groups will be considered. PREREQ: BT 130, or PERM/INST.

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

Forest Sciences

FS 101 GENERAL FORESTRY (2-4-2)(S). A survey of forestry, timber management and economics, and the propagation of important trees of the United States.

Zoology

Lower Division

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

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4)(AREA III CORE). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior or concurrent enrollment in C 107 is recommended.


Upper Division

Z 301 COMPARATIVE VERTEBRATE ANATOMY (2-6-4)(F). The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. PREREQ: Z 230, PERM/INST.

Z 305-305G ENTOMOLOGY (2-6-4)(F). Biology of insects with emphasis on identification and life cycles for students who have completed one year of college level biology. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring or summer before enrolling. PREREQ: PERM/INST.

Z 307 INVERTEBRATE ZOOLOGY (2-6-4)(S). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Offered in alternate years. PREREQ: Z 230 PERM/INST.

Z 341-341G 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 odd-numbered years. PREREQ: Z 230, 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 230 or PERM/INST.

Z 355 VERTEBRATE NATURAL HISTORY (3-4-4)(F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds and mammals. Two weekend field trips. PREREQ: Z 230, PERM/INST.

Z 361 MICROTECHNIQUE (1-6-3)(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 230 PERM/INST.

Z 400 VERTEBRATE HISTOLOGY (2-6-4)(F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian specimens. Z 301 or Z 351 are recommended prior to enrollment. PREREQ: Z 230 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: B 301, C 317, PERM/INST.

Z 409-409G 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. PREREQ: Z 230, C 317, PERM/INST.

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

Department of Chemistry
Science-Nursing Building, Room 315

Chair and Professor: Richard Banks; Professors: Carter, Dalton, Ellis, Matjeka, Mercer, Stark; Assistant Professor: Bammel, LeMaster, Schimpf.

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

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

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

The Chemistry curriculum of Boise State University offers an education based upon employment requirements of industry, educational institutions, and government agencies, while emphasizing the individual needs and capabilities of each student. The faculty of the Chemistry Department recognizes that students are most successful if their training has prepared them for a specific career field, but also recognizes that a broad background affords the best opportunity for a future career selection.

Boise State University offers three Bachelor of Science degrees in Chemistry. The General Emphasis degree prepares the student for employment as a chemist or for admission to medical school. The Professional Emphasis degree, which follows guidelines for certification by the American Chemical Society, includes additional requirements that better prepare the student for a graduate program in chemistry, including computer science, linear algebra, differential equations, and two additional credits of independent study. The Biochemistry Emphasis degree prepares students for admission to medical or dental school, or for employment in technical fields requiring a strong background in chemistry with knowledge of theories and techniques in microbiology, genetics, and molecular biology. In addition to a chemistry core of general, analytical, organic, inorganic, and physical chemistry, requirements of the Biochemistry Emphasis degree include zoology, cell biology, microbiology, and genetics. All three Chemistry degrees require a full sequence of calculus and one year of physics.

Degree Requirements

CHEMISTRY MAJOR
Bachelor of Science

General Emphasis

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

General Requirements ................................................. 52
   English Composition E 101-102 ....................................... 6
   Area I Core .................................................................. 12
   Area II Core .................................................................. 12
   Electives, Lower and Upper Division .......................... 22
   Chemistry ................................................................. 53
   College Chemistry C 131, 132, 133-134 ......................... 10
   Quantitative Analysis C 211, 212 ................................... 4
   Chemical Literature C 280 .............................................. 2
   Organic Chemistry C 317, 318, 319, 320 ....................... 10
   Physical Chemistry C 321, 322, 323, 324 ..................... 10
   Advanced Inorganic Chemistry C 401-402 ..................... 6
   Instrumental Analysis C 411 ......................................... 4
   Spectrometric Identification C 440 ................................ 3
   Advanced Chemical Preparations Laboratory C 443 .......... 2
   Independent Study C 496 ............................................. 2
   Chemistry Seminar C 498 ........................................... 1
   Mathematics M 204, 205, 206 ....................................... 13
   Physics PH 211, 212, 213, 214 .................................. 10

2. Recommended Electives:
   Foreign Language .................................................... 5
   Upper Division Chemistry ....................................... 10
   Advanced Topics in Chemistry .................................. 5
   Life Science Courses ............................................. 10

CHEMISTRY MAJOR
Bachelor of Science
Biochemistry Emphasis

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

   General Requirements ............................................. 42
   English Composition E 101-102 ................................... 6
   Area I Core ................................................................ 12
   Area II Core ................................................................ 12
   Electives, Lower and Upper Division ........................ 12
   Chemistry ............................................................. 44
   College Chemistry C 131, 132, 133, 134 ...................... 9
   Quantitative Analysis C 211, 212 ................................ 4
   Chemical Literature C 280 ......................................... 2
   Organic Chemistry C 317, 318, 319, 320 .................... 10
   Physical Chemistry C 321, 322 .................................. 6
   Spectrometric Identification C 440 ............................. 3
   Independent Study C 496 .......................................... 2
   Chemistry Seminar C 498 ........................................ 1
   Biochemistry C 431, 432, 433 ................................... 7
   Biology/Zoology .......................................................... 19-20
   Botany/Zoology BT 130/Z 230 .................................. 4-5
   Microbiology C 303 ..................................................... 3
   Cell Biology B 301 ....................................................... 3
   Genetics B 343 ......................................................... 3
   Physiology BT 401 or Z 401 or Z 409 ...................... 4
   Mathematics M 204, 205, 206 .................................. 13
   Physics PH 211, 212, 213, 214 .................................. 10

2. Recommended Electives:
   Foreign Language .................................................. 5
   Upper Division Chemistry ...................................... 10
   Advanced Topics in Chemistry ................................ 5
   Life Science Courses ............................................ 10

CHEMISTRY MINOR

1. College Chemistry C 131*, 132, 133, 134 .................... 9
2. College Chemistry C 317, 318, 319, 320 ....................... 1-8
3. One of the following pairs of courses ........................ 4-5
   Quantitative Analysis C 211, 212 .......................... 5
   Physical Chemistry C 321*, 323 .......................... 5
   Intro to Biochemistry C 431, 432 .......................... 5

* Math and/or Physics prerequisite.

TOTAL ..................................................................... 21-22
CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

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

1. General University & Baccalaureate Degree Requirements (128 credits total)
   - General Requirements .......................... 27-28
     - English Composition E 101-102 ............. 6
     - Area I Core .................................. 12
     - Area II Core .................................. 9
     - Electives, Lower and Upper Division ........ 0-1
   - Major Endorsement Requirements
     - Chemistry ...................................... 39-40
       - College Chemistry C 131, 132-133, 134 .. 9
       - Quantitative Analysis C 211, 212 .......... 4
       - Chemical Literature C 280 .................. 2
       - Organic Chemistry C 317, 318, 319, 320 .... 10
       - Physical Chemistry C 321, 322, 323, 324 ... 10
       - Chemistry Seminar C 498 ................... 3
       - Additional Upper Division Chemistry Courses .... 3-4
     - Mathematics Requirements ................. 13
       - (Completion of Mathematics through M 206)
     - Physics Requirements (PH 211-212, 213-214) ... 10
     - Biology Requirements (BT 130 & Z 230) ..... 9
   - Idaho Certification Requirements 29
     - Intro Second Teach: Clsmr Obs TE 172 ......... 1
     - Foundations of Education TE 201 .......... 3
     - Educational Technology TE 356 .......... 2
     - Reading in Content Subjects TE 407 .......... 3
     - Educational Psychology TE 225 ............ 3
     - Secondary School Science Methods TE 384 .... 3
     - Secondary School Methods TE 381 ........... 3
     - Senior High School Student Teaching TE 483 ... 10

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

Recommended Programs

CHEMISTRY MAJOR
Bachelor of Science

General Emphasis

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SOPHOMORE YEAR

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<td>Physics I &amp; II PH 211-212, 213-214</td>
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JUNIOR YEAR

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<td>Spectrometric Identification C 440</td>
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<td>Instrumental Analysis C 411</td>
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<td>Advanced Chemical Preparations C 433</td>
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*Related electives to complement the students chosen emphasis.

CHEMISTRY MAJOR
Bachelor of Science

Professional Emphasis

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SOPHOMORE YEAR

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JUNIOR YEAR

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SENIOR YEAR

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<tr>
<td>Bacteriology B 303</td>
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<td>Biochemistry C 433</td>
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<td>Spectrometric Identification C 440</td>
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*Related electives to complement the students chosen emphasis.

CHEMISTRY MAJOR
Bachelor of Science

Biochemistry Emphasis

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<td>College Chemistry C 131, 132-133, 134</td>
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<td>Mathematics M 204</td>
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SOPHOMORE YEAR

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<td>Organic Chemistry C 317, 319, 318, 320</td>
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<td>Calculus &amp; Analytic Geometry M 206</td>
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<td>Physics I &amp; II PH 211-212, 213-214</td>
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<td>Quantitative Analysis C 211-212</td>
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JUNIOR YEAR

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<td>Cell Biology B 301</td>
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<td>Chemistry Literature C 280</td>
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SENIOR YEAR

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<td>Bacteriology B 303</td>
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<td>Biochemistry C 433</td>
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<td>Spectrometric Identification C 440</td>
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<td>Physiology BT 401 or Z 401 or Z 409</td>
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<td>Genetics B 343</td>
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<td>Independent Study C 496</td>
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<td>Chemistry Seminar C 498</td>
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<td>Area I &amp; II Electives</td>
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<tr>
<td>General Electives*</td>
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*Related electives to complement the students chosen emphasis.

CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

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<tr>
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<td>English Composition E 101-102</td>
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<td>General Zoology Z 230</td>
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Students who do not have a Chemistry degree may be certified to teach Chemistry in secondary schools. Refer to the Department of Teacher Education section where minor certification endorsements for teaching areas are listed.

**Course Offerings**

See page 23 for definition of course numbering system

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**C CHEMISTRY**

CHEMISTRY LABORATORY FEE: A three dollar ($3.00) laboratory fee per course is charged to all students enrolling in a chemistry laboratory.

**Lower Division**

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

C 107 ESSENTIALS OF CHEMISTRY (3-0-3)(AREA III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. PREREQ: Satisfactory score on Mathematics Placement Exam "BA" and/or satisfactory completion of Math 020 is required. COREQ: Concurrent enrollment in C 108 is required.

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

C 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. COREQ: 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)(F/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 M 108. COREQ: Concurrent enrollment in C 132 is required.

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

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

C 134 LABORATORY FOR COLLEGE CHEMISTRY (1-3-2)(F/SU)(AREA III). Laboratory work to accompany C 133. To include qualitative analysis. One hour of recitation and one three-hour laboratory per week. PREREQ: C 131, 132.

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

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**Upper Division**

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


C 319 ORGANIC CHEMISTRY LABORATORY (1-3-2)(S). More advanced organic laboratory techniques and simple organic syntheses. One three-hour laboratory and one hour of recitation per week. COREQ: Concurrent enrollment in C 317 is required.

C 321, 322 PHYSICAL CHEMISTRY LECTURE (3-0-3)(F/S). The fall semester will cover gas laws, thermodynamics and equilibrium, introductory quantum theory, and atomic and molecular structure. The spring semester will cover symmetry, spectroscopy, introductory statistical mechanics, and kinetics. PREREQ: PH 102 or PH 213 and 214, M 206 or equivalent, C 133. A year's sequence (fall and spring).

C 322, 324 PHYSICAL CHEMISTRY LABORATORY (0-6-2)(S/F). Methods of photochemical measurement, introduction to computerized data analysis, and technical report writing. The fall semester to include gases, thermodynamics, phase equilibria, and electrochemistry. The spring semester to include kinetics and spectroscopy. PREREQ: C 211 and 212 or PERM/INST. PREREQ/COREQ: 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 401-402, 401G-402G ADVANCED INORGANIC CHEMISTRY (3-0-3)(S). Atomic structure, molecular structure, using valence bond and molecular orbital theories, elementary group theory, transition metal coordination chemistry, acids and bases, descriptive transition and non-transition metal chemistry. PREREQ: C 322 or PERM/INST.

C 411-411G INSTRUMENTAL ANALYSIS (2-6-4)(F). Theory and implementation of modern chemical Instrumentation. Topics include chromatography, atomic and molecular spectroscopy, and mass spectrometry, error analysis, and signal processing. PREREQ: C 211 and C 322.

C 422-422G ADVANCED TOPICS IN CHEMISTRY (3-0-3). Selected advanced topics from Chemistry such as mass spectrometry, nuclear magnetic resonance spectroscopy, radiochemistry, environmental chemistry and polymer chemistry. PREREQ: C 322 or PERM/INST. Offered on demand.

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

C 432-432G BIOCHEMISTRY LABORATORY (0-3-1)(S). Identification, isolation and reactions of biologically important compounds. PREREQ: C 431.

C 433-433G BIOCHEMISTRY II (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 440-440G SPECTROMETRIC IDENTIFICATION (2-3-3)(S). Identification of compounds using modern spectroscopic techniques. Two lectures and one three-hour laboratory per week. PREREQ: C 318 and C 321.

C 443-443G ADVANCED CHEMICAL PREPARATION LABORATORY (1-3-2)(S). Advanced techniques in the preparation, isolation and characterization of chemical compounds with emphasis on inorganic compounds. One three-hour laboratory and one hour of recitation per week. PREREQ: C 401 or PERM/INST.

C 496 INDEPENDENT STUDY IN CHEMISTRY (Variable credit). An individual laboratory research project in chemistry selected by the student in conjunction with a supervising member of the chemistry faculty. An appropriate amount of library research and written reports are also required. PREREQ: C 280, C 318, and C 322.
C 498 SEMINAR (1-0-1-5). Group discussions of individual reports on selected topics in the various fields of Chemistry. PREREQ: C 280, Chemistry major and senior standing.

Graduate

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

Department of English

Liberal Arts Building, Room 228

Telephone (208) 385-1246

Chair and Professor: Carol A. Martin; Director of Graduate Studies and Professor: Dale K. Boyer; Director of Undergraduate Studies and Assistant Professor: Glenn Selandler; Director of Technical Communication and Professor: Mike Markel; Professors: Davis, Dayley, Leahy, Lejek, Maguire, Sahni, Trusky, Widmayer, Willis, Zirinsky; Associate Professors: Guilford, Lvkken, Sanderson, Shir, Zaer; Assistant Professors: Ackley, Anderson, Burmaster, Evett, Hadden, King, McGuire, Nickerson, Robbins, Ryder, Uehling, Warner.

Degrees Offered

• BA, English, Liberal Arts
• BA, English, Secondary Education
• BA, English, General Literature emphasis
• BA, English, American Literature emphasis
• BA, English, British Literature emphasis
• BA, English, Linguistics emphasis
• BA, English, World Literature emphasis
• BA, English, Technical Communication
• BA, English, Writing emphasis
• MA in English (see Graduate College for details)
• Certificate & Advanced Certificate in Technical Communication (see Academic Enrichment & Special Programs for details)

Department Statement

The major in English has traditionally served to develop skills of imagining, reasoning, and communicating. English majors come to approach matters from a variety of points of view, to recognize patterns of information or ideas from incomplete reports, and to understand other people as well as abstract principles. For these reasons the major in English has provided one of the most successful preparations for professional degrees in law, medicine, and commerce. The department also participates in the university's Studies Abroad Program described on page 37. For information on the department’s Certificates in Technical Communication, see page 33-34.

To serve students' personal and professional goals, the department has designed several options that prepare students for lifelong learning; for graduate work in literature, language, and writing as well as in the professions and business; and for careers in government, business, and industry. The Liberal Arts emphasizes includes a foreign language requirement that will help students prepare for careers in international contexts and for graduate programs with a foreign language requirement. The Secondary Education emphasis fulfills Idaho certification requirements and prepares students to teach in school districts throughout the country. The General Literature emphasis, by limiting specific departmental requirements, offers students flexibility in designing their programs. The American, British, and World Literature emphasis offers students concentration in fields that can lead to specific graduate programs or to fulfilling personal interests and goals. The Linguistics emphasis provides the opportunity for closer study of how language works and its connections with related fields such as anthropology, sociology, and psychology; it also leads to graduate study and careers in linguistics and teaching English as a second language. The Technical Communication emphasis, which focuses on writing, editing, and document production, prepares students for careers in business and industry for professional writing in the health fields and in science. The Writing emphasis prepares professional writers for freelance writing, writing for the fiction and poetry markets, editing, and book and periodical production.

Degree Requirements

All majors must fulfill general university requirements for the Bachelor of Arts degree. 1. BA, English, Liberal Arts emphasis
• Specific Courses
  Survey of British Literature E 240 and E 260 .................. 6
  Shakespeare E 345, 346 ............................................. 3

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

2. BA, English, Secondary Education
• Specific Courses
  Survey of British Literature E 240, E 260 ............................. 6
  Shakespeare E 345, 346 ................................................. 3
  Introduction to Language Studies LI 305 ............................. 3
  History of Literary Criticism E 393 ................................. 3
  Senior Seminar E 498 .................................................... 3
• Area Requirements
  American Literature E 271,272,378,384 ................................. 3
  Pre-1800 British Lit E 340, 341, 348, 349, 350, 351, 356, 358, 359 ..... 6
  Upper Division Electives ............................................... 15
To be approved for student teaching, students must have:
  a. Passed Writing Proficiency Review (portfolio of writing submitted to Department Writing Committee).
  b. Completed all courses required for the departmental core and the secondary option. In some cases the department may approve enrollment in no more than two of the following courses (LI 307, E 301, E 481, or E 498) concurrent with student teaching.
  c. Completed a speech communication class. The department recommends CM 111 or CM 112 which will also give partial fulfillment of the AREA II core.
  d. Maintained a 2.50 cumulative grade point average and a 2.50 grade average in the major.
  e. Completed Idaho Certification requirements.

• Idaho Certification Requirements* .................................... 31-37
  Found of Education TE 201 .............................................. 3
  Educational Psychology TE 225 ....................................... 3
  Educ. Except. Secondary Student TE 333 ........................... 1
  Educational Technology TE 356 ....................................... 2
  Reading in Content Subjects TE 407 .................................. 3
  Methods Courses* ....................................................... 6
  Secondary School Methods TE 381 .................................... 3
  Secondary School Student TE 333 .................................... 1
  Educational Psychology TE 225 ....................................... 3
  Educational Psychology TE 225 ....................................... 10-16
*Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

3. BA, English, General Literature emphasis
• Completion of 54 credits in English or Linguistics excluding E 101, E 102, E 111-H, and E 112-H.
  a. Of these credits, 39 must be upper division, including E 498, Senior Seminar.
  b. Of the upper division credits, 15 must be in British Literature, excluding E 386, E 387, E 389, E 485 and E 486.
  c. Some of these credits may be in special topics courses in English or Linguistics.

4. BA, English, American Literature emphasis
• Specific courses
  Survey of American Literature E 241, 242 .......................... 6
  American Renaissance E 377 ......................................... 3
  American Realism E 378 ............................................. 3
  American Literature LI 378 ......................................... 3
  Folklore E 390 ......................................................... 3
  Senior Seminar E 498 .................................................... 3
• Area requirements:
  Modern British & American Literature E 386, 387, 389, 485, 486 .... 3
  Lower Division Literature E 211, 213, 217, 219, 240 or 260 .... 9
  Upper Division Electives in Literature or Linguistics .................. 18
  American Political Theory PO 331 ................................. 3
BA, English, Technical Communication Emphasis

- Specific courses:
  - Survey of British Literature E 240, 260
  - Shakespeare E 345 or 346
  - Senior Seminar E 498
  - Area Requirements:
    - Pre-1800 Brit Lit courses numbered E 340-359
    - Post-1800 Brit Lit courses numbered E 360-369
    - Electives in British or American Lit (15 Upper Division)
    - British History HY 311, 312, 338 or 432

6. BA, English, Linguistics emphasis

- Specific courses:
  - Intro Language Studies LI 305
  - Modern English Grammar LI 306
  - Applied English Linguistics LI 307
  - History of English Language LI 309
  - Applied Linguistics in Teaching ESL LI 407
  - ESL Internship E 493
  - Senior Seminar E 498
  - Area Requirements:
    - Old or Middle English Lang or Lit (i.e., E 340) or foreign Lit read in original language
    - Electives in Lit lower or upper division
    - Upper division elect in Lit (12 British Lit) or A 2nd year of foreign language or one year of a 2nd foreign language
    - Cultural Anthropology, AN 102 (AREA II core)

7. BA, English, World Literature emphasis

- Specific courses:
  - Far Eastern Literature E 215
  - Western World Lit E 230, 235
  - 19th & 20th Cent Continental Lit E 336, 338
  - Medieval Narrative, E 341
  - Shakespeare E 345 or 346
  - Folklore E 390
  - History of Literary Criticism E 393
  - Senior Seminar E 498
  - Area Requirements:
    - Lower Division Lit—E 211, 213, 217, 240, 260, 271 or 272
    - English Lit courses from E 340-369
    - Upper Division electives in Lit or Linguistics
    - World Drama TA 341, 342, or 445
    - History, other than US or British

8. BA, English, Technical Communication Emphasis

- Specific courses:
  - Nonfiction Writing E 201
  - Technical Rhetoric E 302
  - Advanced Nonfiction Writing E 401
  - Advanced Technical Communication E 402
  - Technical Editing E 403
  - Document Production E 405
  - Internship E 493
  - Senior Seminar E 498
  - Business Ethics & Social Responsibility GB 360
  - Intro Management Information Systems IS 310
  - Area Requirements:
    - Communication
    - Management:
      - Chosen from: Management & Organizational Theory MG 301, Organizational Behavior MG 401, Management of Technology MG 405, Organizational Theory & Bureaucratic Structure SO 487.
    - Upper Division Literature Electives

9. BA, English, Writing emphasis

- Specific courses:
  - Nonfiction Writing E 201
  - Technical Communication E 202
  - Advanced Writing E 401
  - Writing Internship E 493

Senior Seminar E 498

- Area Requirements:
  - Creative Writing E 205, 206, 305, or 306
  - Additional upper division writing course
  - Linguistics LA 303, 305, 307, or 309
  - Lower Division Lit electives
  - Area Requirements:
    - Upper division Lit electives
    - Additional upper division lit or ling electives
    - Interdisciplinary electives, CM 473, 474, HY 210 or HY 480-498, GO 471, LS 311, PY 335, 408 or as approved by English Chair

ENGLISH MINOR

One writing course numbered 200 or higher

- Survey British Literature E 230 or 240
- Survey American Literature E 271 or 272

English and Linguistics electives (6 upper division)

TOTAL: 21

Minor Teaching Endorsement in English

Advanced Composition

- Linguistics
- Methods E 301, 381
- Survey of American Literature E 271, 272
- Lower Division Literature (To be selected from E 215, 230, 233, 240, 260)

Upper Division Literature electives

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

THEATRE ARTS MINOR FOR ENGLISH MAJORS

Technical Theatre (basic set design & const) TA 117
- Technical Theatre (basic set design, paint, light) TA 118
- Acting TA 215

Major Production Participation TA 331

One of the following:

- Stage Voice TA 233
- World Drama, 500 B.C. to 1660 TA 341
- World Drama, 1660 to 1960 TA 342
- Contemporary Theatre TA 445

One of the following:

- Shakespeare: Tragedies and Histories E 345
- Shakespeare: Comedies and Romances E 346

Total hours in Theatre Arts Minor for English Major: 20 or 21

COMBINED MAJOR, COMMUNICATION AND ENGLISH

The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an opportunity to combine courses in complementary subject areas. Students select an emphasis in Journalism or in Communication under the combined major.

Refer to the Department of Communication listing in this Catalog for the specific requirements.

Course Offerings

See page 23 for definition of course numbering system

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshmen will be required to take only the essay section of the placement tests. See requirements below for remedial and advanced placement in English Composition.

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

LOWER DIVISION

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

Successful completion of competency test required.

E 011 ENGLISH COMPOSITION (3-0-3)(Core). Introductory college writing and critical reading, with the goal of producing well-organized and effective expository essays. Emphasis on writing thoughtful, accurate discussions of reading, observations, and ideas; developing the writer's voice and inventiveness; and editing for style and conventions of standard usage. Successful completion of competency test required.

PREREQ: ACT or SAT percentile score of 20 or above, or P (Pass) in E 010 or E 123.
E 102 ENGLISH COMPOSITION (3-0-3)(Core). Emphasis on researching, reading, and writing about texts from various disciplines. Practice in exposition, to include summarizing, synthesizing, and evaluating sources. Successful completion of competence test required. PREREQ: Grade of C or above in E 101 or ACT/SAT percentile score of 80 or above.

E 111, 112 HONORS COMPOSITION (3-0-3)(Core). Provides superior student challenge emphasizing individual study and original writing. Introduction to critical thinking and study of ideas through literature. Honors 111 concentrates on lyric poetry, essays, and short fiction. Honors 112 concentrates on epic poetry, drama and the novel. Normal prerequisite: SAT or ACT of 750 percentile score for E 111. Successful completion of competence tests required. PREREQ: E 111 or PERM/CHAIR for E 112.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). Special emphasis on vocabulary development, reading, and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Graded Pass/Fail. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(F/S). Practice in reading and composition, development of special vocabulary skills related to individual needs, advanced English sentence structure. For Foreign students with TOEFL scores (or equivalent) of 551-575. Graded Pass/fail. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.

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. Successful completion of the competency test required. PREREQ: E 122 qualifies the student for entrance into E 101. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor and PERM/INST.

E 131 INTRODUCTION TO LITERATURE (3-0-3)(F/S). A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television versions and hear recorded editions of some of the works they read. PREREQ: Completion of or concurrent enrollment in E 101 or PERM/CHAIR.

E 201 NONFICTION WRITING (3-0-3)(F). Further development of skills and strategies learned in E 102. Student will study and write nonfiction prose, particularly research and persuasive writing. Writing practice will stress the writer's awareness of his or her own style and the manipulation of stylistic elements. PREREQ: E 102.

E 202 TECHNICAL COMMUNICATION (3-0-3)(F/S). An overview of the principles and applications of technical communication for those students who expect to write on the job. Emphasis on assisting the non-specialist student in developing workplace skills. PREREQ: Successful completion of E 123 qualifies the student for entrance into E 101. PREREQ: Admission to BSU, recommendation of Foreign Student Advisor, and PERM/INST.

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

E 206 FICTION WRITING (3-0-3)(S). Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story. May be repeated for a total of nine credit hours. PREREQ: E 205.


E 213 AFRICAN-AMERICAN LITERATURE (3-0-3)(S). The African-American experience reflected in the development of African-American literature. The course relates African-American writing to its social and cultural conditions, exploring recurrent, characteristic themes, techniques, and genres from Slavery to the present. Emphasis on such writers as Frederick Douglass, Langston Hughes, Richard Wright, James Baldwin, and others. PREREQ: Three credits of lower division literature or PERM/CHAIR.

E 215 FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(S)(AREA I). Survey of literature from Far Eastern countries with major emphasis on China, India, and Japan. An introduction to the cultural and religious environment of each country is covered. 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, and medieval 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 1790 (3-0-3)(F)(AREA I). Examine the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.


E 271 SURVEY OF AMERICAN LITERATURE: Beginnings to Civil War (3-0-3)(F/S)(AREA I). This course traces the artistic, philosophic, social, scientific, and intellectual influences on American writers and the emergence of an independent American literature. As an overview 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 literature thought as revealed in the works of such authors as Twain, James, Hemingway, Eliot, and Faulkner. PREREQ: E 102.

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(S). Methods and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to teachers, students with a secondary option and a major or minor in English, or consent of the department chair. PREREQ: Upper Division standing and LI 305, Introduction to Language Studies, or inventive teaching.

E 302 TECHNICAL RHETORIC (3-0-3)(F/S). An introduction to the rhetoric of technical communication for English majors and others who are considering a career in technical writing. Includes the visual rhetoric of graphics and document design, the ethics of technical communication, and the principal rhetorical modes (narration, description, exposition, and argumentation) as they are employed in technical communication. E 102 or PERM/INST.

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


E 341 MEDIEVAL NARRATIVE (3-0-3)(F/S). Representative English and continental narrative literature, including such works as Beowulf, Sir Gawain and the Green Knight, Arthurian romances by Chrétien de Troyes and Marie de France, The Song of Roland, and Dante's Divine Comedy. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

E 342 MEDIEVAL DRAMA (3-0-3)(F/S). An investigation of the development of theater in Europe from the early Middle Ages through the early Renaissance. Readings will provide a survey of representative works, but the focus will be on the English Corpus Christi plays. Production of one of these plays will be a part of the course. PREREQ: Three credits lower division literature or PERM/CHAIR. Alternate years.

E 343 MEDIEVAL ARTHURIAN LITERATURE (3-0-3)(F). The origins of the Arthurian legend. Beginning with the earliest references to King Arthur, the course traces the development of the tales through Geoffrey of Monmouth, Chrétien de Troyes, the Welsh Mabinogion, miscellaneous isolated tales, and Thomas Malory's Le Morte D'Arthur. PREREQ: Three credits lower division literature or PERM/CHAIR. Alternate years.

E 345 SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3)(F/S). A selection of the tragic plays including Romeo & Juliet, Hamlet and King Lear, and the best plays concerning English history. PREREQ: Three credits of literature or PERM/CHAIR.

E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3)(F/S). Representative plays such as The Taming of the Shrew, A Midsummer Night's Dream, As You Like It, Twelfth Night, and the Tempest. PREREQ: Three credits of literature or PERM/CHAIR.


E 349 ELIZABETHAN AND FABEAN DRAMA (3-0-3)(F/S). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster, and Ford. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

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


E 359 British Novel: Beginnings through Austen (3-0-3)(F). An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Sterne, Austen and others. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumptions about the world around us. PREREQ: Three credits of literature or PERM/CHAIR.

E 360 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 literature or PERM/CHAIR.

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

E 366 Victorian Prose (3-0-3)(S). Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Pater, bring insights to controversy over issues still with us. Their subjects range from industrialism to mysticism, their purposes from amusements to exaltation. PREREQ: Three credits literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

E 369 British Novel: Scott through Hardy (3-0-3)(S). An investigation of the development of the English novel during the nineteenth century. Emphasis on regional values and the nature of the categories, such as historical fiction, the novel of manners, the novel of the individual, and the novel of sensation (e.g., Jane Austen, Charles Dickens). PREREQ: Three credits literature or PERM/CHAIR. Alternate years.

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

E 378 American Realism (3-0-3)(F/S). American literature from the Civil War to World War I. Mark Twain, Stephen Crane, Henry James, W. D. Howells, Kate Chopin, and fellow Realists wrote about the average person in the light of common experience. Works by Addison and Steele, Thomson, Boswell, Gray, Gibbon, Burke, and others. PREREQ: Three credits of literature or PERM/CHAIR.

E 381 Teaching Secondary Writing, Reading, and Language (3-0-3). Study of traditional and modern theories and methods of teaching composition, reading and literature at the secondary level. PREREQ: Introduction to Language Studies LI 305.

E 384 Literature of the American West (3-0-3)(F). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western themes such as the relationship of the cowboy and the pioneer. PREREQ: Three credits of literature or PERM/CHAIR.

E 386 Twentieth-Century British Fiction (3-0-3)(F/S). This course studies the varied literary movements in British fiction against the background of British historical and cultural change in the 20th century. Representative writers will include T.S. Eliot, W.B. Yeats, D.H. Lawrence, F. Scott Fitzgerald, W. H. Auden, E.M. Forster, Virginia Woolf, James Joyce, T.S. Eliot, Joyce Cary, Doris Lessing, William Golding, Fay Weldon, Wole Soyinka, Peter Carey, Jean Rhys, and Margaret Forster. PREREQ: Three credits of literature or PERM/CHAIR.


E 389 Twentieth-Century Drama Written in English (3-0-3)(F). A study of plays, theory, and dramatic practice as they developed in the twentieth century, including such playwrights as G.B. Shaw, J.M. Synge, Sean O'Casey, Arthur Miller, Eugene O'Neill, Samuel Beckett, Lorraine Hansbury, Tom Stoppard, Peter Shaffer, and David Mamet. PREREQ: Three credits of literature or PERM/CHAIR.

E 400 Folklore (3-0-3)(F). Study of what folklore is, its written and oral traditions, and its various cultures. PREREQ: E 102.

E 401 Advanced Nonfiction Writing (3-0-3)(F/S). Advanced practice in narrative and expository writing. Emphasis on the oral tradition. Experimentation with subjects, voice, organization, and style. Students may take the course twice, for a total of 6 credits. PREREQ: E 201.

E 402 Advanced Technical Communication (3-0-3)(F/S). An advanced study of technical communication for those students who are considering a career in the field. Assignments are related to each student's background and field of interest in technical communication. Course work includes the writing of various kinds of documents produced in business and industry, including proposals, progress reports, completion reports, and manuals. PREREQ: E 202 or E 302 or PERM/INST.

E 403 Technical Editing (3-0-3)(F). Explores the fundamentals of editing, enabling students to apply a variety of editing skills to technical materials for specific audiences. Focuses on the role of the editor in organizational settings, basic editorial activities, methods for analyzing, critiquing, and revising manuscripts for different audiences, and techniques for successful writer/editor dialogues. Includes techniques for verbally and visually polishing documents for publication and, if needed, a review of mechanical correctness. PREREQ: E 402 or PERM/INST.

E 405 Document Production (3-0-3)(F/S). Study and application of the principles of producing effective technical documents. Topics include the relationship of technology to the work situation, technical writing and the development of technical style and the confluence of the use of word processing and technical graphics software. The course will be taught as a workshop, and students will produce basic technical documents such as brochures, data sheets, flyers, reports, and manuals, on personal computers. PREREQ: E 403 or PERM/INST.

E 410 Twentieth-Century American Nonfiction (3-0-3)(F). American nonfiction prose from 1900 to 1930, including autobiographies, biography, history, journalism, social and cultural criticism, science and nature writing. Typical authors include W.E.B. Du Bois, H.L. Mencken, James Agee, Norman Mailer, Joan Didion, John McPhee, Annie Dillard, Tom Wolfe, Truman Capote, Leslie Silko, Maxine Hong Kingston, Loren Eiseley, and Wallace Stegner. PREREQ: Three credits of literature or PERM/CHAIR.

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

E 481 Literature for Use in Junior and Senior High Schools (3-0-3)(F). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is on critical reading of literature ordinarily used with adolescents in secondary schools. Secondary emphasis is 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. Offered from time to time. Course will be offered over two courses.

E 485 British and American Poetry: 1900-1945 (3-0-3)(F). A study of the radical changes of the 20th century. Typical poems include those by Yeats, Pound, Eliot, and Auden; their peers, such as dramatists; their schools, the Confessional, and the followers of the Modernist. PREREQ: Three credits of literature or PERM/CHAIR. Offered alternately with E 486.

E 486 British and American Poetry: 1945-Present (3-0-3)(F). A study of significant poems beginning or reaching the culmination of their careers in post-World War II England and America. Emphasis on the influences on their writing from earlier poets, including the Modernists, and the nature of the categories, such as those designated "Movement," "Confessional," and "Feminist," into which critics, scholars, and their peers place these poets. PREREQ: Three credits literature or PERM/CHAIR. Offered alternately with E 485.

E 488-488G Methods and Theories of Literary Criticism and Rhetoric (3-0-3)(S). Analysis of major literary and rhetorical theories, their methods and their implications. PREREQ: Three credits of upper division literature or PERM/CHAIR.

E 490 Senior Seminar (3-0-3)(S). Required of all senior English majors. PREREQ: Senior standing or PERM/CHAIR.

HU HUMANITIES

HU 207, 208 Introduction to Humanities (3-0-3)(F/S)(AREA I). The human intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHAIR.

LI LINGUISTICS

LI 385 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, psychology, and related fields. Includes such topics as the meaning of language, sounds, words, and sentences formation in English. PREREQ: E 102 or PERM/CHAIR.

LI 386 Modern English Grammar (3-0-3)(F). An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar.
LI 307 APPLIED ENGLISH LINGUISTICS (3-0-3)(F/S). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, dictionaries and grammar, bilingualism and language planning, and problems in teaching English as a first and second language. Alternate years. PREREQ: LI 305.

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(F/S). A study of the periods in 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/CHAIR.

LI 406 PSYCHO LINGUISTICS (3-0-3)(F/S). The study of language in relation to mind and cognition. Topics include the relationship between language, thought, and memory; language acquisition; language disorders; and the psychological processes involved in speaking, listening, reading, writing, and spelling. PREREQ: LI 305.

LI 407-407G APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand how to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. PREREQ: LI 305. Alternate years. Offered 1993/1994.

LI 411 (AN 411) LANGUAGE, CULTURE, AND SOCIETY (3-0-3)(S). (Cross listed AN 411). The course provides an introduction to the nature of the relationships among language, culture, and society. Major topics explored are: language and thought; conversational theory; the ethnography of communication; language change; language variation; speech communities; pidgins and creoles; dialectology; code switching and mixing; solidarity and politeness. Several languages are examined in specific social and cultural contexts. LI 305 or a foreign language recommended. This course may be taken for LI or AN credit but not both. Offered alternate years.

Department of Geosciences
Mathematics-Geology Building, Room 104 Telephone (208) 385-1631

Chair and Professor: Paul R. Donaldson; Professors: Bentley, Hollenbaugh, Pelton, Spinosa, Waag, White, Wilson, Wood; Associate Professors: Snyder; Adjunct Assistant Professor: Osinsky; Visiting Research Professor: Dougherty; Gillerman, Zollweg.

Degrees Offered
- BS, Geology
- BS, Geophysics
- BS, Earth Science Education, Secondary Education
- MS, Geology: cooperative program with Idaho State University (See Graduate College for details).
- MS, Geophysics (See Graduate College for details).
- MS, Education, Earth Science emphasis (See Graduate College for details).
- Minor in Environmental Studies (see page 31-32)

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

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

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

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

Degree Requirements

**GEOL OGY MAJOR**
Bachelor of Science Degree Requirements

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

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

   **Recommended Core Courses:**

   Area I, Foreign Language (201 or higher) ............................................. 9
   Area II, Economics, Geography .......................................................... 9

   **2. Major Requirements:**

   Geology and Geophysics ................................................................. 55
   Physical Geology GO 101 ................................................................. 4
   Historical Geology GO 103 ............................................................... 4
   Mineralogy GO 221 ........................................................................... 5
   Field Geology GO 280 ....................................................................... 3
   Petrology GO 323 ............................................................................. 3
   Petrography GO 324 .......................................................................... 1
   Sedimentation & Stratigraphy GO 310 .................................................. 4
   Geomorphology GO 313 ..................................................................... 3
   Structural Geology GO 314 .................................................................. 4
   Invertebrate Paleontology GO 351 ..................................................... 3
   Geophysics GS 300 or GP 301 ............................................................ 3
   Summer Field Camp GO 482 ............................................................ 4
   Summer Field Camp Report GO 483 ................................................... 2
   Senior Seminar GO 498 or 499 ....................................................... 4
   Geology Electives ............................................................................. 12
   College Chemistry C 131, 132, 133, 134 ........................................... 9

   **Physics Option I:** (Recommended for students planning graduate studies)

   Mechanics, Waves & Heat & Lab PH 211, 212 ........................................ 5
   Elect, Magmtn & Optics & Lab PH 213, 214* .......................................... 5

   *Physical Chemistry & Lab C 321, 323 can be substituted for PH 213, 214

   **Option II:**

   General Physics PH 101-102 ............................................................... 8
   Mathematics M 204-205* or M 211-212 ................................................. 9-10

   (Mathematics through M 206 is recommended for students planning graduate studies.)

   **Special Studies Courses:**

   Bio Surveying EN 215 or Cartography GG 220 .................................... 2-3
   Free Electives .................................................................................. 14-19

   **EARTH SCIENCE EDUCATION MAJOR**
Bachelor of Science Degree Requirements

1. General University & BS degree requirements ...................................... 30-33

   English Composition E 101-102 .......................................................... 6
   AREA I Core ................................................................................... 12
   AREA II Core (to include P 101, TE 201, GG 101) .................................. 12
   Upper Division Electives .................................................................. 12

   **2. Major Earth Science Requirements:**

   Physical Geology GO 101 ................................................................. 4
   Historical Geology GO 103 ............................................................... 4
   Intro to Descriptive Astronomy PH 105 ............................................... 4
   Intro to Oceanography GO 201 ........................................................ 4
   Intro to Meteorology GG 213 ........................................................... 3
   Mineralogy GO 221 ........................................................................... 4
   Geomorphology GO 313 ..................................................................... 3
   Petrology GO 323 ............................................................................. 3
   Petrography GO 324 ......................................................................... 1
   Senior Seminar GO 498 or 499 ....................................................... 1
   Upper Division Geology course or GG 331 or GP 300 ......................... 6

   **3. Supporting Sciences & Mathematics:**

   College Chemistry C 131, 132, 133, 134 ........................................... 9
   General Physics PH 101-102 ............................................................... 8
   General Botany BT 130 & General Zoology Z 230 ................................ 9
   Algebra & Trigonometry M 111 ........................................................... 5

   **4. Education Requirements for Secondary Education:** ....................... 27-33

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

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

I. General University & BS Degree Requirements 30

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

II. Major Requirements:

Geophysics 21
Gravimetric-Magnetic Methods GP 310 3
Electrical Methods GP 330 3
Seismic Methods GP 330 3
Geophysics Field Camp GP 340 6
Exploration Well Logging GP 410 3
Geophysical App. of Dig. Sig. Proc. GP 420 3

Geology 27
Physical Geology GO 101 4
Historical Geology GO 103 4
Mineralogy GO 221 4
Field Geology GO 280 3
Petroleum GO 323 3
Petrography GO 324 1
Sedimentation and Stratigraphy GO 310 4
Structural Geology GO 314 4

Chemistry 7
College Chemistry & Lab C 131, 132 4
College Chemistry C 133 (C 134 not required) 3

Physics 13
Mechanics, Waves and Heat & Lab PH 211, 212 5
Electricity, Magnetism and Optics & Lab PH 213, 214 5
Electricity and Magnetism PH 381 3

Mathematics 24
Digital Computer Programming CS 124 or EN 104 2
Calculus & Analytic Geometry M 204 5
Calculus & Analytic Geometry M 205 4
Calculus & Analytic Geometry M 206 4
Vector Calculus M 320 2
Differential Equations M 331 3
Lin Sys and Sig Proc CS 426 4

Electives* 6
Recommended electives usually include courses tailored to an individual student's needs. See an advisor for assistance.

Recommended Programs

FRESHMAN YEAR

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<th>GEOLOGY MAJOR</th>
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<td>English Composition E 101-102</td>
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<td>College Chemistry C 131, 132-133, 134</td>
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<td>Physical Geology GO 101</td>
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<td>Cartography GG 220 or alternate</td>
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<td>Petrology GO 323</td>
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<td>Field Geology GO 280</td>
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<td>Mechanics, Waves and Heat + Lab PH 211-212</td>
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SOPHOMORE YEAR

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<td>Junior Seminar GO 314</td>
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<td>Sedimentation &amp; Stratigraphy GO 310</td>
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<td>Geomorphology GO 313</td>
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<td>Geophysics GP 300 or GP 301</td>
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<td>Structural Geology GO 314</td>
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GEOPHYSICS MAJOR

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SOPHOMORE YEAR

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SENIOR YEAR

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<td>Invertebrate Paleontology GO 351</td>
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<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
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Senior Seminar GO 498 or 499 | - | 1 |
AREA I and II Electives | 6 | 3 |
Free Electives at least 3 cr of upper division | 3 | 6 |
Invertebrate Paleontology GO 351 | - | 3 |
Upper Division Geology & Geophysics Electives | 4 | 4 |
SUMMER OF JUNIOR YEAR | 6 | - |
Course Offerings

See page 23 for definition of course numbering system

GG GEOGRAPHY

Upper Division

GO 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(F/S)(AREA II). A survey of Earth environments, basic concepts and techniques used in geography and the utilization of natural resources.

GO 102 CULTURAL GEOGRAPHY (3-0-3)(F/S)(AREA II). A study of the distribution and character of cultural activities throughout the world with emphasis on human landscapes.

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

GO 210 SURVEY OF WORLD REGIONAL GEOGRAPHY (3-0-3)(F/S). A survey of human population and their relationship to their physical environments. Countries, regions, cultures, ethnic geography, religion, language, and major economic units will be discussed. Students will learn to use maps, aerial photos, and reference materials.

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

GO 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 through the use of coordinate systems, map projections and scale. Lettering tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.

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

Upper Division

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

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

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

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

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

GO 350 REGIONAL GEOGRAPHY OF EUROPE (3-0-3)(F/S). Identification and study of physical and cultural regions of Europe. Climate, landforms, and soils along with resources, national groups, and political geography. PREREQ: GO 101 or GO 102, PERM/INST.

GO GEOLOGY

Lower Division

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

GO 101 PHYSICAL GEOLOGY (3-2-4)(AREA III)(Lab fee)(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 111 GEOLOGY OF IOWA AND THE PACIFIC NORTHWEST (3-0-3)(Field trip required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. PREREQ: GO 103 or PERM/INST.

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

GO 211 MINERALOGY (2-4-4)(F). A study of minerals including crystal forms, atomic structure, chemical properties, and environments of origin. The laboratory meets twice each week. Lab exercises emphasize identification of minerals by recognizing their physical properties in hand specimen and utilizing their optical properties in oil mounts and thin sections. Several exercises involve use of the x-ray diffractometer. PREREQ: GO 101 COREQ: C 131.

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

GO 280 FIELD GEOLOGY (1-6-3)(F)(Lab Fee)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereo-pair air photos, Brunt compass, transit, and planetable alidade for mapping. A detailed field map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, 103, E 102. COREQ: M 111 or equivalent. (Field Trip Required.)

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

GO 313 GEOMORPHOLOGY (2-3-3)(F)(Field trips required). A study of the features of the earth's surface such as mountains, valleys, beaches, and rivers and the process by which they are formed. Emphasis will be placed on the role of processes and structural and landscape and regional significance. Two to three weekend field trips are required. Required field work on Friday afternoons. PREREQ: GO 101, 103, E 102. COREQ: M 111 or equivalent. (Field Trip Required.)

GO 314 STRUCTURAL GEOLOGY (3-3-4)(S)(Field trips required). Fundamentals of descriptive, kinematic and dynamic analysis of structures within the Earth's crust, and a theoretical treatment of stress and strain. Laboratory problems in orthogonal and stereographic methods, and solution of structural problems using geologic maps and cross-sections. PREREQ: M 111, GO 101, 221, 280.

GO 323 PETROLOGY (2-3-3)(S). A study of igneous, sedimentary, and metamorphic rocks with emphasis on methods of their classification, physical and chemical constraints on their origin, and their tectonic associations. PREREQ: GO 221. COREQ: GO 324.

GO 324 PETROLOGY (2-3-1)(S). A systematic study of igneous, sedimentary, metamorphic rocks in hand specimen and thin section. The polarizing microscope is used to study these rocks. The composition and origin of large numbers of representative specimens are interpreted through examination of their mineral assemblages, textures, fabrics and alteration. PREREQ: GO 221. COREQ: GO 323.

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

GO 370 ENVIRONMENTAL GEOLOGY (3-0-3)(S)(Alternate Year). A study of the ways that geological materials and processes constrain human interaction with the natural environment. This includes the availability and use of geological resources, dealing with waste disposal and pollution, and minimizing the impact of geological hazards. PREREQ: An introductory course in geography or geology.

GO 412-412G HYDROGEOLOGY (3-0-3)(S)/Field trip required. The study of subsurface water and its relationship to surface water, the hydrologic cycle and the physical properties of aquifer systems. Flow nets and flow through porous and fractured media. Techniques of determination, development, characteristics, and performance, and groundwater modeling. PREREQ: GO 310, 314.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)/Alternate years/Field trip required. A study of the geometric properties of deformed rocks, their measurement and analysis. Course will emphasize structural analysis of folded and faulted terrains with a focus on tectonic styles of deformation. PREREQ: GO 314.

GO 421 ORE DEPOSITS (2-3-3)(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. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand specimen study. PREREQ: GO 323 OR PER/MINST.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S). The course emphasizes geologic, engineering and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting data pertinent to exploration and development discussions are also studied. Field trips required. PREREQ: GO 323 or PER/MINST.

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

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

GO 451-451G PRINCIPLES OF SOIL SCIENCE (3-0-3)(F). Major aspects of soil science, including the physical, chemical, and biological characteristics of soils will be presented in the classroom lectures. Demonstration laboratory exercises and field trips will be required. PREREQ: Background in Geology and Chemistry.

GO 460-460G VOLCANOLOGY (2-0-2)(F)/Field trip (alternate years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of vent structures produced. Field trips and demonstrations of volcanic deposits and characteristics of volcanic eruptions will be presented in the classroom lectures. Demonstration laboratory exercises and field trips will be required. PREREQ: GO 323.

GO 471-471G REGIONAL FIELD STUDY (1, 2, or 3 CR)(F/SU). Field trips and field exercises to study geology of selected localities in North America. Review of petrography, nature and maps, recording of geologic observations and the preparation of a comprehensive report on the geology of the areas visited. PREREQ: GO 103 or PER/MINST.

GO 482 GEOLOGY SUMMER FIELD CAMP (0-0-4)(SU). The study of geology in its natural environment, the field. Emphasis is upon geologic mapping, the collection, plotting and analysis of data to solve geologic field problems, mapping on aerial photographs and topographic base. Student should expect to be in the field 8-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelor of Science) at BSU must take COREQ: GO 483.

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

GO 493 INTERNSHIP (4-6 credits).

GO 495 SENIOR THESIS (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give a conclusive result. Project may be submitted for GO 480 upon approval of a written proposal by a committee of three department faculty members. PREREQ: Senior Standing.

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

GP GEOPHYSICS

Upper Division

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

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

GP 310-310G GRAVIMETRIC AND MAGNETIC METHODS (3-0-3)(F). Basic potential field theory, instrumentation, reduction of observed data, methods of data interpretation. Applications to petroleum and mineral exploration, geotechnical and engineering investigations. PREREQ: GO 101; must be concurrently taken or have taken PH 213, PH 214.


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

GS GENERAL SCIENCE

GS 305 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 Mathematics

Math-Geology Building, Room 202 Telephone (208) 385-1172

Chair and Associate Professor: Stephen Grantham; Professors: R. Anderson, Eastman, Haushart, Hughes, Juola, Kerr, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; Associate Professors: Ayers, Ferguson, Griffin, Jarrett, Kenny; Assistant Professors: M. Anderson, Bartoszynski, Feldman, Holmes, Schepers.

Degrees Offered

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

Department Statement

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

A student's course of study can be tailored to suit a particular interest in pure mathematics, applied mathematics, computer science, mathematics teaching, software engineering, statistics or operations research.
Degree Requirements

COMPUTER SCIENCE
Bachelor of Science Degree

1. General University Requirements for BS degree.
2. Required BSU Computer Science courses (31 credits):
   A. Intro Computer Science I CS 125 .................................................................................. 3
   B. Intro Computer Science II CS 127 ............................................................................. 4
   C. Low-Level Programming CS 223 .............................................................................. 4
   D. Data Structures & Algorithms CS 242 ......................................................................... 3
   E. Operating Systems CS 333 ........................................................................................ 3
   F. Programming Languages CS 441 ............................................................................... 4
   G. Programming Language Translation CS 452 .............................................................. 4
   H. Theory of Computation CS 461 .................................................................................. 3
   I. Software Engineering CS 471 ..................................................................................... 3
3. One Computer Science course from: 3-4 credits
   A. Intro Computer Graphics CS 341 ............................................................................. 3
   B. Database Theory CS 410 ............................................................................................ 4
   C. Network Protocols & Programming CS 525 .............................................................. 3
4. Required Mathematics courses (17-19 credits):
   A. Discrete & Found Math M 156 .................................................................................. 4
   B. M 204-205 ............................................................................................................. 9
   C. Fund of Statistics M 361 .......................................................................................... 4
   D. Combinatorics M 445 ............................................................................................... 3
5. Required Computer Engineering (through UI@Boise): (7 credits)
   A. Digital Computer Fund XE 340 ............................................................................... 3
   B. Digital Computer Lab XE 344 ................................................................................ 1
   C. Computer Organizations XE 441 ............................................................................. 3
6. A year's sequence in a laboratory science: (9-10 credits)
   College Chemistry & Lab C 131-132 ........................................................................... 4
   College Chemistry & Lab C 133-134 ............................................................................ 5
7. Two additional quantitative courses (6-10 credits):
   A. Any physical or life science course for majors, or any other course
      which stresses quantitative methods. Each choice is subject to
      approval by the student's advisor, but a list of pre-approved courses
      is available from the department.

MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science Degree

1. University Requirements for BA or BS Degree.
2. Mathematics/CS Requirements: Lower Division
   A. M 156 Discrete and Foundational Mathematics ....................................................... 4
   B. M 204-M 205-M 206 or M 211-212 Calculus ......................................................... 13-10
   C. CS 125 Intro Computer Science I ............................................................................. 3
3. Upper Division Mathematics — 27 credits including:
   A. Linear Algebra M 301 .................................................................................................. 4
   B. One or more selections in at least 4 of the 5 following groups
      1) Introduction to Abstract Algebra M 302 ................................................................. 3
      2) Foundations of Analysis M 314 ................................................................................ 3
      3) Fundamentals of Statistics M 361 .......................................................................... 4-6
      4) Probability & Statistics M 431-432 ......................................................................... 6
   C. One of the following sequences:
      1) Advanced Calculus M 401-402 ............................................................................. 6
      2) Fourier Series & Boundary Value Problems M 421 ................................................. 6
      3) Probability & Statistics M 431-432 ......................................................................... 6
      4) Abstract Algebra M 441-442 .................................................................................. 6
      D. And a 400-level course (numbered below M 490) in addition to those in the sequence selected.

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

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

1. University Requirements for BS or BA Degree
2. Mathematics/CS Requirements:
   A. Intro to Computer Science I CS 125 ......................................................................... 3
   B. Discrete and Foundational Mathematics M 156 ....................................................... 4
   C. Calculus through M 205 or M 212 ............................................................................ 9-10
   D. Linear Algebra: M 301 ............................................................................................. 4
   E. At least one of
      1) Intro to Abstract Algebra M 302 .............................................................................. 3
      2) Number Theory M 306 ........................................................................................... 3
   F. Foundations of Geometry M 311 ............................................................................... 3
   G. Foundations of Analysis M 314 ................................................................................ 3
   H. Statistics M 361 or both M 431-432 ....................................................................... 4-6
   I. Mathematical Modeling M 464 .................................................................................. 3

3. Either 45 semester hours of Mathematics or 30 semester hours of
   Mathematics and an approved minor-certification area outside of
   Mathematics. (See page 109).
4. Education Requirements—26-32 credits. See "Certification Require-
   ments and Endorsements for Secondary Education." (See page 108).

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

MATHEMATICSMINOR
Calculus & Analytic Geom M 204-205-206 ................................................................. 13
or
Accelerated Calculus M 211-212 .................................................................................... 10
At least 9 credits in upper division mathematics (M prefix except for
M 493 and 496) including at least one of the following:

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

MATHEMATICS TEACHING MINOR
Intro Computer Science I CS 125 ................................................................................ 3
Calculus M 204 or M 211 .............................................................................................. 5
Calculus M 211 or M 212 ............................................................................................... 5
At least 1 of the following

Linear Algebra M 301 .................................................................................................. 4
Intro to Abstract Algebra M 302 .................................................................................... 3
Foundations of Geometry M 311 .................................................................................. 3
Foundations of Analysis M 314 .................................................................................... 3
Advanced Calculus M 401 ............................................................................................. 3
Abstract Algebra M 441 ............................................................................................... 3
TOTAL ............................................................................................................................ 36
E lectives to complete 20 hours ....................................................................................... 20

Suggested Programs

NOTE: These are only suggested programs. Not all courses are required.

COMPUTER SCIENCE
This degree is aimed at preparing students to apply their computer and
mathematics training to problem analysis and to the design, testing,
debugging and documentation of software systems.

FRESHMAN YEAR

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<tbody>
<tr>
<td>Calculus M 205</td>
<td>4</td>
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<tr>
<td>Low-Level Programming CS 223</td>
<td>3</td>
<td></td>
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<tr>
<td>Data Structures &amp; Algorithms CS 242</td>
<td>4</td>
<td></td>
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<tr>
<td>Fund of Statistics M 361</td>
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<tr>
<td>Mechanics, Waves &amp; Heat PH 213-214</td>
<td>5</td>
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<tr>
<td>Area I or II</td>
<td>3</td>
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</table>
JUNIOR YEAR
Operating Systems CS 353 .......................... 3
Programming Languages CS 354 .................. 4
Digital Computer Fund & Lab XE 340, 344 ...... 4
Computer Organization XE 442 .................. 3
Software Engineering CS 471 ...................... 3
Area I or II ........................................... 6 9
17 15

SENIOR YEAR
Combinatorics M 445 ................................... 3
Theory of Computation CS 461 .................. 3
Programming Language Translation CS 451 ...... 4
Database Theory CS 410 .......................... 4
Networks or Adv Software Engr CS 525 or CS 573 .... 3
Other Elective ........................................ 6 8
16 15

MATHMATICS MAJOR

FRESHMAN YEAR
1st SEM 2nd SEM
Calculus M 204-205 .................................... 4
English Composition E 101-102 or E 111-112 ...... 3 3
Discrete & Found Mathematics M 156 ........... 4
Intro Computer Science I CS 125 ............................ 3
College Chemistry & Lab C 131-132 .................. 4
Area I and Area II core requirements .............. 6
16 16

SOPHOMORE YEAR
Calcium M 206 .......................................... 4
Linear Algebra M 301 .................................. 4
Number Theory M 306 ................................ 3
Intro to Abstract Algebra M 302 ...................... 3
Mechanics, Wave and Heat + Lab PH 211-212 .... 5
Electricity, Magnetism and Optics + Lab PH 213-214 ... 5
Area I and Area II core requirements .............. 4
15 15

JUNIOR YEAR
Foundations of Analysis M 314 ...................... 3
Probability & Statistics M 431-432 .................. 3 3
Differential Equations M 331 ........................ 3
Fourier Series & Boundary Value Prob M 421 ........ 3
Area I or Area II ........................................ 6 4
Electives .................................................. 3 4
18 16

SENIOR YEAR
Abstract Algebra M 441-442 or Adv Calculus M 401-402 .... 3 3
Combinatorics M 445 .................................. 3
Foundations of Geometry M 311 ...................... 3
Linear Programming M 456 .......................... 4
Senior Seminar M 498 ................................ 1
Electives .................................................. 10 6
17 16

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

FRESHMAN YEAR
1st SEM 2nd SEM
English Composition E 101-102 or E 111-112 ...... 3 3
Calculus M 204-205 .................................... 5 4
Discrete & Found Mathematics M 156 ........... 4
Intro Computer Science I CS 125 ............................ 3
Area I or II Electives .................................. 3 6
15 16

SOPHOMORE YEAR
Calcium M 206 .......................................... 4
Linear Algebra M 301 .................................. 4
Number Theory M 306 ................................ 3
Intro to Abstract Algebra M 302 ...................... 3
Mechanics, Wave and Heat + Lab PH 211-212 .... 5
Physics PH 211-214 ................................... 5 5
General Psychology P 101 .......................... 3
Intro to Second Teach: Classroom Observation TE 172 .... 1
Foundations of Education TE 201 .................. 3
16 15

JUNIOR YEAR
Foundations of Analysis M 314 ...................... 3
Foundations of Geometry M 311 .................... 3
Statistics M 361 ....................................... 4
Educational Psychology TE 225 ..................... 3
Educational Technology TE 356 .................. 2

Secondary School Methods TE 381 ...................... 3
Area I & II Electives .................................. 9 6
17 16

SENIOR YEAR
Mathematical Modeling M 464 ...................... 3
Mathematics in Secondary School M 490 ........... 3
Educating Exceptional Secondary Student TE 333 .... 1
Teaching Reading in Content Subjects TE 407 .... 3
Secondary Student Teaching .......................... 16
Electives .................................................. 7
17 16

Course Offerings

See page 23 for definition of course numbering system

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

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

CS COMPUTER SCIENCE

Lower Division

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

CS 113 INTRODUCTION TO PASCAL (2-0-2)(F,S), An introduction to the syntax and execution characteristics of Pascal. Provides experience coding, compiling, testing, and correcting syntax errors; and executing Pascal programs. PREREQ: Satisfactory score on mathematics placement examination.

CS 115 INTRODUCTION TO C (2-0-2)(F,S), An introduction to the syntax and execution characteristics of C. Also includes its use in the construction and execution of complete programs that implement simple algorithms. This course is not intended for CS majors, for whom CS 227 is more appropriate. PREREQ: Satisfactory score on mathematics placement examination.

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

CS 125 INTRODUCTION TO COMPUTER SCIENCE I (3-0-3)(F,S), Data and procedure abstraction. Problem solving techniques, recursive algorithms, basic searching and sorting techniques. The software development process (specification, design, stepwise refinement), Social and ethical issues in computing. Note: it is recommended that students with no prior computing experience take CS 113 prior to or concurrently with this course. PREREQ: M 111 or M 106.

CS 127 INTRODUCTION TO COMPUTER SCIENCE II (4-0-4)(F,S), A continuation of the topics which were introduced in CS 125. Program correctness, the analysis of run-time behavior. PREREQ: CS 125 and M 156 or PERM/INST.

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

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

CS 242 DATA STRUCTURES AND ALGORITHMS (4-0-4)(S), Basic data structures (continued from CS 127), complexity analysis, complexity classes, problem solving strategies. Artificial Intelligence, rudiments of networks, relational databases and parallel and distributed algorithms are introduced. PREREQ: CS 127 or PERM/INST.

Upper Division

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

CS 353 OPERATING SYSTEMS (3-0-3)(F), File systems and buffer caching algorithms. Memory management. Process structure, control and scheduling algorithms. Interprocess communication techniques. PREREQ: CS 223 and CS 242 or PERM/INST.

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

CS 410 DATABASE THEORY (4-0-4)(S), A study of the theoretical foundations of database management systems. Design and implementation of alternatives for various database models, including, but not limited to, hierarchical, network and relational
Department of Mathematics 65

models. Comparison of the reliability, security and integrity of various database systems. Implementation of a simple system. PREREQ: CS 358 or PERM/INST.

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

CS 451 PROGRAMMING LANGUAGE TRANSLATION (4-0-4)(F). Assembler language programming, theory and practice of formal language translation, experience with compiler construction tools under UNIX. Students work on significant projects. PREREQ: CS 242 and CS 354 or PERM/INST.

CS 461 INTRODUCTION TO THE THEORY OF COMPUTATION (3-0-3)(F). A formal study of the software development process. Topics include: lifecycle models, requirements definition, specification, design, implementation, validation, verification, maintenance, and reuse. Students work in small teams on significant projects. PREREQ: CS 242 or PERM/INST.

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

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

M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-4)(F,S). Designed for liberal arts students. Emphasis is on the nature of mathematical knowledge, its applications, methodology, and the role of the sciences in the development of mathematical ideas. PREREQ: Satisfactory score on mathematics placement examination.

M 101 STRUCTURE OF ARITHMETIC FOR TEACHERS (3-2-4)(F,S). The study of number systems from whole numbers through the reals: numeration, number operations, algorithms, and properties. The course includes a two-hour laboratory each week which makes use of physical models appropriate to the content of the course. PREREQ: High school geometry and a satisfactory score on the mathematics placement examination.

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


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

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


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


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

M 211 ACCELERATED CALCULUS (5-0-5)(F,S). 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)(F,S). Matrix algebra, determinants, vector spaces and linear transformations. PREREQ: M 206 or 212, or both M 205 and M 156.

M 302 INTRODUCTION TO ABSTRACT ALGEBRA (3-0-3)(F,S). Sets, groups, integral domains, rings and fields. PREREQ: M 156, and M 205 or M 212.

M 306 NUMBER THEORY (3-0-3)(F). Diophantine equations, residues, quadratic reciprocity and continued fractions. PREREQ: M 156, and M 205 or M 212.

M 311 FOUNDATIONS OF GEOMETRY (3-0-3)(F). Euclidean, non-euclidean, and projective geometries from an axiomatic point of view. PREREQ: M 156, and M 205 or M 212.

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

M 314 FOUNDATIONS OF ANALYSIS (3-0-3)(F). Logic, axiomatics, sequences, foundations of calculus, structure of the real numbers. PREREQ: M 156, and M 205 or M 212.

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

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

M 340 NUMERICAL ANALYSIS (4-0-4)(F,S). The application of numerical methods to the interpretation and analysis of data, solution of equations, general iterative methods, approximation of functions, error analysis. PREREQ: M 206 or M 212 and a working knowledge of BASIC, FORTRAN or PASCAL.

M 361 FUNDAMENTALS OF STATISTICS (4-0-4)(F,S). 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 for M 401; M 401 for M 402. This is a two-semester sequence with M 401 offered in the fall of odd-numbered years, followed by M 402 in the spring of even-numbered years.


M 431-431G PROBABILITY AND STATISTICS (3-0-3)(F). Discrete and continuous random variables, conditional probability, expectation, moment generating functions, central limit theorem. PREREQ: M 206 or 212.


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 for M 441; M 441 for M 442. This is a two-semester sequence with M 441 offered in the fall of even-numbered years, followed by M 442 in the spring of odd-numbered years.

M 445 COMBINATORICS (3-0-3)(F). Advanced techniques of enumeration, manipulation of sums, recurrences, generating functions, special integer sequences, selected topics from graph theory, partially ordered sets, combinatorial designs, and optimization. Emphasis on constructive techniques. PREREQ: M 156, and M 361 or M 431.

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

M 464 MATHEMATICAL MODELING (3-0-3)(F). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will draw from the physical, biological, and social sciences. PREREQ: M 361 or PERMINST.

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

**Department of Modern Languages**

Education Building, Room 331  Phone (208) 385-3956

Chair and Associate Professor: Steven Loughrin-Sacco; Professors: Jocums; Associate Professor: Robertson.

**Degrees Offered**

- BA in French
- BA in French, Secondary Education
- BA in German
- BA in German, Secondary Education
- BA in Spanish
- BA in Spanish, Secondary Education

**Department Statement**

The study of languages gives students a sound foundation in the liberal arts. Graduates with language backgrounds possess a resource for continuing intellectual growth and personal fulfillment, a passport for moving easily within the world community and its diverse cultures, and a practical tool for earning a living.

Programs in the Department of Modern Languages concentrate on the acquisition of language and a knowledge of the culture that the language expresses. The Department offers baccalaureate degrees in French, German, and Spanish, as well as basic instruction in other languages such as Russian, Japanese, Basque, and Italian.

Special encouragement is given to students who wish to pursue a minor emphasis in modern language to support a major taken outside the department. With the changing population of the United States and the growing interdependence of the international community, career opportunities are expanding rapidly for graduates who know a second language. Second language competency has become highly desirable in teaching, government and social services, diplomacy, law and medicine, mass communications, science and technology, and international trade and marketing. The programs in modern languages have the latitude and flexibility to fit nearly any career goal.

The Department encourages students who wish to acquire proficiency at a "professional" or "near-native" level to spend time in the country whose language they are studying. Programs available through the Office of Studies Abroad give students a chance to master a language and learn more about the culture and customs, often while studying at foreign universities and living with local families.

**FRENCH MAJOR**

**Bachelor of Arts**

1. To begin the program for the BA in French, the student must demonstrate competency in French equivalent to the completion of elementary (F 101-102) and intermediate (F 201-202) French — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 36 credit hours of upper division work including FL 331; 30 credit hours must be in French, including FL 410, and 12 credit hours of these 30 credits must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chair.
5. The candidate must demonstrate his or her level of language competency in French on the Modern Language Association or equivalent examination during the last semester in the program.

**GERMAN MAJOR**

**Bachelor of Arts**

1. To begin the program for the BA in German, the student must demonstrate competency in German equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 36 credit hours of upper division work including FL 331; 30 credit hours must be in German, including FL 410, and 12 credit hours of these 30 credits must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chair.
5. The candidate must demonstrate his or her level of language competency in German on the Modern Language Association or equivalent examination during the last semester in the program.

**SPANISH MAJOR**

**Bachelor of Arts**

1. To begin the program for the BA in Spanish, the student must demonstrate competency in Spanish equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202) Spanish — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 36 credit hours of upper division work including FL 331; 30 credit hours must be in Spanish, including FL 410, and 12 credit hours of these 30 credits must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chair.
5. The candidate must demonstrate his or her level of language competency in Spanish on the Modern Language Association or equivalent examination during the last semester in the program.

**GERMAN, SECONDARY EDUCATION**

**Bachelor of Arts**

In addition to meeting the requirements for the BA in German, the candidate for a teaching certificate must also complete the following:

1. Requirements as indicated in the Department of Teacher Education listing in this catalog.
2. From among the courses provided to complete 30 credit hours in German, the candidate must include 6 credit hours of Advanced Conversation and Composition and 6 credit hours of Culture and Civilization.
3. The candidate must successfully complete the Modern Language Methods course, TE 383, and Applied Linguistics for the Modern Language Teacher, FL 410.

**SPANISH, SECONDARY EDUCATION**

**Bachelor of Arts**

In addition to meeting the requirements for the BA in Spanish, the candidate for a teaching certificate must also complete the following:

1. Requirements as indicated in the Department of Teacher Education listing in this catalog.
2. From among the courses provided to complete 30 credit hours in Spanish, the candidate must include 6 credit hours of Advanced Conversation and Composition and 6 credit hours of Culture and Civilization.
3. The candidate must successfully complete the Modern Language Methods course, TE 383, and Applied Linguistics for the Modern Language Teacher, FL 410.
4. The candidate must also take, in addition to the Language and Culture Section, the Teaching Methodology and Linguistics Section of the Modern Language Association Proficiency Exam.
FRENCH MINOR

200 Level Courses Totaling: 8
Advanced French Conversation & Composition F 303 or 304: 3
Civilization & Culture F 376 or 377: 6
Upper division French electives: 6
Total: 20

GERMAN MINOR

Intermediate German G 201-202: 8
Advanced German Conversation & Composition G 303 or 304: 3
Civilization & Culture G 376 or 377: 3
Upper division German electives: 6
Total: 20

SPANISH MINOR

Intermediate Spanish S 201-202: 8
Advanced Spanish Conversation & Composition S 303 or 304: 3
Civilization & Culture S 376 or 377 or 385: 6
Upper division Spanish electives: 6
Total: 20

Course Offerings

See page 23 for definition of course numbering system

Placement Examinations: To ensure that students with language abilities in French, German, and Spanish enroll in the appropriate level of course work, placement examinations are given at the beginning of Fall, Spring, and Summer Sessions. Specific time and place are listed in the academic calendar in the class time schedule.

Language Resource Center: State of the art, interactive lab equipment is available to assist students in their language studies. Most 100- and 200-level language courses require conversation practice in the Language Resource Center, for which students pay an additional laboratory fee.

Petitions for Language Credit: Once a student enrolls in and successfully completes a language course beyond the 101 level with a grade of "C" or higher, he or she may petition to receive credit for all courses prerequisite to the level successfully completed.

BQ BASQUE

Lower Division

BQ 101-102 ELEMENTARY BASQUE (4-1-4) (F, S). These courses begin the development of speaking, listening, reading, and writing the unified language known as Euskera Batua, but dialectical forms used by native speakers will also be explained. Conducted in Basque, the first semester of the course emphasizes vocabulary building with greater emphasis on grammar in the second semester.

FL FOREIGN LANGUAGE

Upper Division

FL 331 INTRODUCTION TO LITERARY STUDIES (3-0-3) (F/S). A study of the theories and methods of literary analysis, explicit interpretation, and criticism. Readings will be primarily in English and will be drawn from major authors and genres in a variety of modern languages. PREREQ: FL 101-102, or S 102 or equivalent as determined by placement examination and consultation.

FL 410 APPLIED LINGUISTICS FOR THE MODERN LANGUAGE TEACHER (3-0-3) (F/S). Application of linguistic theory and concepts to foreign language teaching and learning practices. Analysis of language-specific problems encountered in instruction. PREREQ: FL 305 and minimum of six credits upper division language or PERM/INST.

F FRENCH

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) (F/S). A self-paced course which provides for practice in pronunciation, reading, writing, grammar analysis and conversation. One period of conversation practice per week required.

F 200 INTERMEDIATE FRENCH LANGUAGE (3-0-3) (F). A continuation of intensive, basic French. PREREQ: F 102, equivalent or PERM/DEPT.

F 201 INTERMEDIATE FRENCH LITERATURE (3-0-3) (AREA I). Unabridged readings in French literature, selected for language competency enhancement and to introduce students to French literature from the 19th & 20th centuries. PREREQ: F 102, equivalent or PERM/DEPT.

F 202 INTERMEDIATE FRENCH: CIVILIZATION (3-0-3) (AREA I). Unabridged readings in French civilization—competency enhancement. PREREQ: F 102, equivalent or PERM/DEPT.

F 203 INTERMEDIATE FRENCH CONVERSATION (0-2-1) (F, S). Conversation and pronunciation practice in contemporary, metropolitan French. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

F 223 INTERMEDIATE FRENCH: READINGS IN THE DISCIPLINES (V-V-1) (F, S). This course is designed for those who wish French readings in professional content subjects selected for language competency enhancement and to introduce students to these concerns in francophone countries. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3) (F/S). 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 discussions will be written regularly. PREREQ: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3) (F/S). 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: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 376 FRENCH CIVILIZATION AND CULTURE TO 1789 (3-0-3) (F/S). 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: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 377 MODERN FRANCOPHONE CIVILIZATION AND CULTURE (3-0-3) (F/S). This course considers the development of French civilization since the end of the ancient republic of Rome to the end of the French Revolution; history, politics, art, geography, literature, music and science; assessment of France’s contribution to the modern democracies. PREREQ: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 415 MEDIEVAL AND RENAISSANCE FRENCH LITERATURE (3-0-3) (F/S). This course studies French literature from approximately 1040 to 1600, beginning with medieval lyric and romance and concluding with the essays of Montaigne. PREREQ: FL 331 and 8 credits of 200 level courses or PERM/INST. Alternate years.

F 425 FRENCH LITERATURE: ENLIGHTENMENT, ROMANTICISM, REALISM (3-0-3) (F/S). A survey of eighteenth-and nineteenth-century literature in all genres written in French. PREREQ: FL 331 and 8 credits of 200 level courses or PERM/INST. Alternate years.

F 435 TWENTIETH-CENTURY FRENCH LITERATURE (3-0-3) (F/S). A survey of the great authors and thinkers of France and the French-speaking world during the twentieth century. PREREQ: FL 331, 8 credits of 200 level courses or PERM/INST. Alternate years.

F 475 FRANCE TODAY (3-0-3) (F/S). An analysis of contemporary problems and events in the French-speaking world. Readings and discussion will be interdisciplinary, drawing from social, economic, political, educational, and scientific sources. PREREQ: F 376 or 377 or PERM/INST. Alternate years.

F 498 SENIOR SEMINAR: Selected Topics in French Literature and Culture (3-0-3) (F/S). Required of all majors. Seminar discussion and individual research into areas of special concern to students. PREREQ: F 376 or 377 or PERM/INST. Alternate years.

G GERMAN

Lower Division

G 101-102 ELEMENTARY GERMAN (4-1-4) (F, S). 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 except with PERM/INST. Students in G 102 lacking adequate preparation may drop back to G 101.

G 101-P – 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4) (F, S). Self-paced course: programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student’s pace. Placement required for enrollment. PREREQ: G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may drop back to G 101.

G 201-202 INTERMEDIATE GERMAN (4-1-4) (AREA I) (F, S). A continuation of G 101-102 with emphasis on listening and writing, with content 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) (F/S). 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) (F/S). Similar goals and format to G 303. More extended writing assignments. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.
G 376 GERMAN CULTURE AND CIVILIZATION (3-0-3)(F/S). 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 377 GERMAN CULTURE AND CIVILIZATION (3-0-3)(F/S). 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 415 GERMAN LITERATURE OF THE ENLIGHTENMENT AND "STORM AND STRESS" (3-0-3)(F/S). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress". Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 425 CLASSICAL AND ROMANIC GERMAN LITERATURE (1700-1830) (3-0-3)(F/S). 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, Chamissos, Bretnano, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 435 NINETEENTH-CENTURY GERMAN LITERATURE (3-0-3)(F/S). Selections from a wide cross-section of 19th century German literature: Buchner, the "Young Germans," Grillparzer, Hebbel, Gotthoff, Keller, Stifter, Storm, C.F. Meyer and others. PREREQ: FL 331 or PERM/INST. Alternate years.

G 445 MODERN GERMAN LITERATURE (3-0-3)(F/S). Trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich. Selections from Helene von der Lippe, Joseph Roth, Martin Buber, Heinrich Mann, Else Lasker, Jung, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 455 CONTEMPORARY GERMAN LITERATURE (3-0-3)(F/S). 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, Swiss and German writers. PREREQ: FL 331 or PERM/INST. Alternate years.

G 465 EARLY GERMAN LITERATURE: 1150-1720 (3-0-3)(F/S). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphi, Grimmelshausen, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 475 THE GERMAN-SPEAKING WORLD TODAY (3-0-3)(F/S). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussions include educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377 or PERM/INST. Alternate years.

G 498 SENIOR SEMINAR (3-0-3)(F/S). Required of all German majors. 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.

JP JAPANESE

Lower Division

JP 101-102 ELEMENTARY JAPANESE (3-0-3)(F/S). The skills of speaking, listening, reading, and writing Japanese are developed, initially emphasizing oral skills. Conducted in Japanese, the course also integrates the written language, introducing katakana, hiragana, and a limited number of Chinese characters, used in context.

R RUSSIAN

Lower Division

R 101-102 ELEMENTARY RUSSIAN (3-0-3)(F/S). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week, and there is a one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years.

R 201-202 INTERMEDIATE RUSSIAN (3-0-3)(F/S). A continuation of R 102, these courses are intended to develop further the skills of listening, speaking, reading, and writing Russian. Conducted in Russian, the course uses cultural and literary reading selections and writing assignments to build vocabulary and develop grammatical competence. PREREQ: R 102 or PERM/DEPT.

S SPANISH

Lower Division

S 101-102 ELEMENTARY SPANISH (3-0-3)(F/S). Develops abilities in understanding, speaking, reading and writing Spanish. Offers a basic study of grammatical structures common to all Romance languages. PREREQ: S 101 for credit if they have had more than one year of high school Spanish or the equivalent.

S 201-202 INTERMEDIATE SPANISH (3-0-3)(F/S). Intended to develop further Spanish language skills, both oral and written. Reviews of fundamentals of structure and vocabulary. Topics for conversation, reading, writing and focus upon culture of the Hispanic countries. PREREQ: S 102 or equivalent as determined by placement examination and consultation.

S 203 SPANISH FOR THE NATIVE SPEAKER (3-0-3)(F/S). A course designed especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. PREREQ: S 201 or equivalent as determined by the placement test. Course conducted in Spanish. Alternate years.
Department of Music

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

Chair and Professor: James D. Cook; Professors: Baldwin, W. Elliott, Hsu, Parkinson, Rozmajzl; Associate Professors: Baldassarre, Belfy, Berg, Bratt, Brown, C. Elliott, Oakes, Samball, Schroeder, Thomason, Wells; Assistant Professors: Maynard, Purdy.

Degrees Offered
• BA and BM in Music
• BM in Music Education
• MM in Music Education and Performance/Pedagogy: See Graduate College for further details.

Department Statement
The goal of the Department of Music is two-fold: 1) to train students to become successful and productive professional musicians, musician-teachers, or musician/business people in today's society, giving them as thorough and comprehensive a background in the art and practice of music as is possible to do; and 2) to heighten musical awareness in the general, non-major student. In training the aspiring professional, the goal of excellence in musicianship is defined by the faculty in the courses, various degree programs and majors offered by the Department at both the undergraduate and graduate levels.

In addition the Department of Music serves the needs of the University community as well as the larger community of metropolitan Boise and the State of Idaho through the offering of courses, by presenting musical performances for the public's cultural growth and entertainment, by making available faculty and/or student performers at various community functions, and by providing leadership for many cultural activities in the community.

Gifts and Memorials
The Department of Music has been the recipient of many fine gifts of electronic equipment, instruments, music, scholarship donations, books and record collections from friends and supporters of the Department including individuals, clubs, businesses and organizations. Several Steinway pianos, including a 7' and a 9' grand, are the generous gifts of Mr. & Mrs. William K. Dunkley and Dunkley Music Company of Boise. In the Hemingway Western Studies Center is housed the 1. J. Cunningham Memorial Pipe Organ, a three-manual Austin Organ of 46 ranks and 59 registers, given to the University by Laura Moore Cunningham. It is used for concerts, teaching and practice purposes. The console for the Harry W. Morrison Memorial Carillon built by Maas-Rowe is also in the Hemingway Center for Western Studies. Given as a memorial to her husband by Mrs. Velma Morrison, The Grand Symphony Carillon System chimes the hours and half-hours and daily plays short programs of carillon music.

The Department of Music is especially grateful to these donors who have given so generously:
- Boise Choristers
- Dr. & Mrs. Robert deNeufville
- Peter Forno
- Dr. & Mrs. Arthur C. Jones
- Bryant S. Martineau
- Presser Foundation
- Dr. Gerald & Lunicie Wallace


Scholarship endowments have been given in the names of Elizabeth Bowden, Ava Brinck, Margaret Drake, Lucille Lippincott, and Martha S. Reese.

Music Major Programs: The Music Department offers two Bachelor of Arts Degree programs which students may choose between, and one Graduate Degree program with two emphases that students may choose from.

1. The Bachelor of Music Degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.

   A. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artists, teachers, and composers, this program is basic to preparing students for graduate work in the performing, creative, and college or university teaching fields.

   B. Major emphasis in Music Education: designed to prepare students for music teaching careers in the secondary and elementary educational systems and also prepares students for graduate work in Music.

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

Degree Requirements

BACHELOR OF MUSIC PROGRAM

1. General Requirements

   A. All full-time music majors will be required to attend Concert Class during each semester of residency at Boise State University until the required number of semesters of Pass grade in Concert Class has been achieved, as follows: Bachelor of Arts General Music and Music/Business majors and Bachelor of Music Performance and Theory & Composition emphasis majors—8 semesters, Bachelor of Music/Music Education emphasis—7 semesters (see course description for MA 010 for additional details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445 or 446 recitals are exempt from faculty jury during the semester in which the recital is given.

   B. All Bachelor of Music majors whose major instrument is other than keyboard are required to take no later than the end of the junior year, the Piano Proficiency Examination before a faculty committee. A grade of C or better in MU 213 will satisfy this requirement.

   Details are available from the Music Department.

2. All full-time Bachelor of Music majors will register in a major ensemble (Symphonic Winds, University Orchestra, Meistersingers, University Singers, or for keyboard or guitar majors the appropriate course as specified), each semester until the minimum number of semesters for graduation have been met. Only one major ensemble per semester will be counted toward graduation requirements.

Minimum ensemble requirements:

Performance Majors:
- Keyboard — 8 semesters, 2 may be Accompanying
- Guitar — 8 semesters, 4 may be Duo-Piano
- Materials of Music I-IV MU 119*, 120, 219, 220 12
- Student intending to enroll in MU 119 must previously earn a C grade or better in MU 103 or make a satisfactory score on the Theory Placement Test. See MU 119 course description.

Ear Training I-MU 121, 122, 221, 222 4
Survey of Western Art Music MU 143 3
Basic Form and Analysis MU 223 2
Basic conducting MU 261 1
Music History & Literature I-III MU 351, 352, 353 9
Total 38-39

E. All Music Education majors in the Bachelor of Music program are required to pass a vocal proficiency exam before their application for student teaching. Successful completion of MU 221 Ear Training III and of the folk/art song singing section of MU 256 Vocal Techniques and Methods will satisfy this requirement. Further details are available from the Music Department.

2. Performance Emphasis Minimum Requirements:

A. General University & Basic Core Requirements for Bachelor of Music Degree 32

B. Music Requirements

1) Core 39
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. MC 400 Level Studies: 8 credits minimum.

C. Additional Upper Division Courses Total Credits 16-22

Counterpoint MU 423, 424 6
Advanced Form & Analysis MU 410 ........ 3
*Choral or Instrum Conducting MU 365, 366 ...... 1
**Major Instrument Literature MU 457 .......... 2
**Major Instrument Pedagogy I, II MU 463-464 4
Senior Recital MA 446 2
* Not required of Piano, Voice or Guitar majors.
** Required only of Piano, Voice or Guitar majors.

D. Elective Credits .................................. 7-15
TOTAL .............................................. 128

3. Theory-Composition Emphasis Minimum Requirements:
A. General University & Basic Core Requirements for Bachelor of Music Degree .......................... 32
B. Music Requirements:
1) Core ............................................. 39
2) Lower Division Performance Studies ......................................................... 16
   Performance Major Studies ................................................................. 8
   Performance Minor Studies .............................................................. 8
   (Piano, unless major instrument is Keyboard) ................................ 8
3) Upper Division Courses .................................................................. 31
   MC 300 Level Performance Major Studies ........................................ 4
   Keyboard Harmony & Basic Improv MU 313-314 4
   Band Arranging MU 455 2
   Counterpoint MU 423, 424 6
   Advanced Form & Analysis MU 410 3
   Choral & Instrum Conducting MU 365, 366 2
   Music Composition MA 410 ................................................................. 8
   Senior Composition Recital MA 446 .................................................. 2
   Music Seminar MU 498 ................................................................. 2
C. Elective Credits ...................................... 12-14
TOTAL .............................................. 128

4. Music Education Emphasis Minimum Requirements:
A. General University & Basic Core Requirements for Bachelor of Music Degree .......................... 32
B. Music Requirements:
1) Core ............................................. 38
2) Major Instrument Performance Studies ......................................................... 14
3) Lower Division Courses .................................................................. 7
   Orientation to Music Educ MU 271 .................................................. 1
   Instrumental Tech & Meth MU 257, 266 ......................................... 2
   Vocal Tech & Meth MU 256 ................................................................. 2
4) Upper Division Courses .................................................................. 15
   Band Arranging MU 455 ................................................................. 1
   Band & Orchestra Meth & Mater MU 387 ..................................... 2
   Choral Methods & Mater MU 385 .................................................... 2
   Choral & Inst Condu MU 365, 366 ............................................... 2
   Instrumental Tech & Meth MU 368, 369 ......................................... 4
   Teaching Music in the Elem Class MU 372 .................................... 2
   One-half Senior Recital MU 444 ..................................................... 1
5) College of Education Requirements 26-32
   General Psychology P 101 (Area II) .................................... 3
   Foundations of Education TE 201 (Area II) ................................. 3
   Educational Psychology TE 225 ..................................................... 3
   Educ Except Secondary St MU 353 .............................................. 3
   Reading in Content Subjects TE 407 ............................................. 1
   Secondary School Methods TE 381 ............................................. 3
   Secondary Student Teaching ........................................................ 10-16
C. Elective Credits ...................................... 0-1
Recommended Music Electives:
Functional Piano MU 213 .................................................. 2
Teaching Music in the Elem Class MU 372 2
(to qualify students for Idaho State Certification for Elementary School Music Specialist)

The above requirements lead to state certification eligibility to teach music in the public schools K-12. Specific details are available from the Music Department.

TOTAL .............................................. 129

**BACHELOR OF ARTS PROGRAM

General Music Major Option
1. General University and Basic Core Requirements for the Bachelor of Arts Degree. .............................. 46
2. Minimum Music Requirements: ................................. 46
   Concert Class MA 010 (6 semesters of Pass) ......................... 0
   Performance Studies MC - ......................................................... 8
   Major Ensemble ME- 4 semesters minimum ...................... 4
   Materials of Music I-IV MU 119, 120, 219, 220 12

Music/Business Option
General University and Basic Core Requirements for the Bachelor of Arts Degree to include the following:
1. Area II:
   CM 111 Fundamentals of Speech Communication .......... 3
2. Area III: At least one course in Mathematics selected from the following:
   M 105, 106 Math for Business Decisions .............................. 4-8
3. Minimum Music Requirements Total credits .................. 45
   MA 010 Concert Class (8 semesters of Pass) ......................... 0
   MC- Performance Studies ......................................................... 8
   Major Ensemble ME - (4 semesters minimum) .................. 4
   Materials of Music I-II MU 119-120 ................................. 6
   Intermediate MU 121-122 ......................................................... 2
   Survey of Western Art Music MU 143 ................................. 3
   Music History & Lit II, and I or III ................................. 6
   *Senior Project ................................................................. 3
   Music Electives (upper division) ..................................... 13
4. Business courses (a maximum of 33 credits in Business courses) ........ 24-33
   Required Courses:
   Intro Financial Accounting AC 205 ........................................ 3
   Intro Managerial Accounting AC 206 ................................. 3
   Intro to Business GB 101 ......................................................... 3
   Legal Environment of Business GB 202 ................................. 3
   Appl of Computer Information Systems IS 101 ........ 3
   Management & Organizational Theory MG 301 ................................. 3
   Salesmanship MM 101 ......................................................... 3
   Principles of Promotion MM 203 ......................................... 3
6. Additional courses-electives (up to 9 credits may be chosen from the following):
   Principles of Microeconomics EC 205 ................................. 3
   Principles of Macroeconomics EC 206 ................................. 3
   Intro to Management Information Systems IS 310 ........ 3
   Principles of Marketing MK 301 ......................................................... 3
   Customer Behavior MK 307 ......................................................... 3
   *An Independent Study terminal project under faculty supervision and with approval of the Music Department Chair.

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

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

*MC courses are extra fee courses

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

Recommended Programs

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Area II History .................................................... 3
Area II Elective ................................................... 3
16 15

** SOPHOMORE YEAR **

Concert Class MA 010 .............................................. 0 0
Performance Major MC 2-4 ........................................ 4 4
Major Ensemble ME 1-- .......................................... 1 1
Materials of Music III, IV MU 219-220 .......................... 3 3
Ear Training III, IV MU 221-222 ................................. 1 1
Functional Piano MU 213 .......................................... - 2
Basic Conducting MU 261 ........................................... - 1
Area I Literature .................................................. 3 -
Area I Elective ...................................................... 3 -
Electives ............................................................... 1 -
15 16

** JUNIOR YEAR **

Concert Class MA 010 .............................................. 0 0
Performance Major MC 3-4 ........................................ 4 4
Major Ensemble ME 3-- .......................................... 1 1
Basic Form & Analysis MU 223 ............................... 2 -
Keybd Harm* or Major Inst Ped I, II** or Elect+ ............ 2 2
Counterpoint MU 423 or 424 ..................................... 3 3
Music History I MU 351 ............................................. 3 -
Area I Elective ...................................................... 3 -
Foreign Language I & II .......................................... 4 4
16 17

** SENIOR YEAR **

Concert Class MA 010 .............................................. 0 0
Performance Major MC 4-4 ........................................ 4 4
Major Ensemble* ME 3-- ......................................... 1 1
Keybd Harm** or Major Inst Ped I III** or Elect+ ........... 2 2
Music History II & III MU 352, 353 ............................ 3 3
Counterpoint MU 423 or 424 ..................................... 3 3
Advanced Form and Analysis MU 410 .......................... - 2
Choral or Inst Conducting MU 365# or 366# ................. 1 or 1
Senior Recital MU 446 ............................................. 2 or 2
Electives ............................................................... 1-3 1-3
17 18

** TOTAL CREDITS **

128

*Keyboard majors (piano/organ) must include 2 semesters of ME 180/380 Accompaniment and may include up to 2 semesters of ME 185/385 Duo-Piano. Guitar majors must include 2 semesters of ME 167/367 Guitar Ensemble.

**MU 313-314 Keyboard Harmony is offered alternate years only. See catalog course description for details.

#Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

** FRESHMAN YEAR **

English Composition E 101-102 .................................. 3 3
Concert Class MA 010 .............................................. 0 0
Performance Major MC 1-2 ..................................... 2 2
*Performance Minor Studies MC 1-2 ............................. 2 2
Major Ensemble ME 1-- ........................................... 1 1
Ear Training I, II MU 121-122 ................................... 1 1
Survey Western Art Music MU 143 (Area I) .................. 3 -
Area I History .................................................... 3 -
15 15

** SOPHOMORE YEAR **

Concert Class MA 010 .............................................. 0 0
Performance Major Studies MC 2-2 ............................ 2 2
*Performance Minor Studies MC 2-2 ............................ 2 2
Major Ensemble ME 1-- .......................................... 1 1
Ear Training III, IV MU 219-220 ............................... 3 3
Basic Conducting MU 261 ........................................... 1 -
Music History I MU 351 ............................................. 3 -
Area I Literature .................................................. 3 3
Area II Electives ................................................... 3 3
18 16

** JUNIOR YEAR **

Concert Class MA 010 .............................................. 0 0
Music Composition MA 410 ...................................... 2 2
Major Performance Studies MC 3-2 ............................. 2 2
Major Ensemble ME 3-- .......................................... 1 1
Basic Form & Analysis MU 223 ............................... 2 -
Instrum Conducting MU 366 ..................................... - 1
**Keybd Harm MU 313-314 or Elect ............................ 2 2
Music History II, III MU 352, 353 .............................. 3 3

** TOTAL CREDITS **

131-137
MA 010 CONCERT CLASS (0-1-0)(F/S). Student, guest and/or faculty performances. Additional attendance at 10 concerts/recitals, excluding concert class, is required as part of this course: credit toward the concert/recital attendance requirement is allowed for up to 5 concerts in which one is a performer. (Pass/Fail)

MA 107 Recorder Class (1-0-1)(S). The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit.

MA 127 Beginning Guitar Class (0-2-1)(F/S). Technical fundamentals in playing the acoustical guitar for beginners. Used 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 level I 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 Beginning Piano Class (0-1-0)(F/S). This course is intended for students who have had little or no previous instruction in piano playing. May be taken a maximum of two times for credit.

MA 153 Intermediate Piano Class I (0-1-1)(F/S). Class instruction in level one intermediate piano. PREREQ: MA 150 or equivalent or PERM/INST.

MA 154 Intermediate Piano Class II (0-1-1)(F/S). Class instruction in level two intermediate piano. PREREQ: MA 150 or MA 153 or equivalent or PERM/INST.

MA 180 Beginning Voice Class (0-1-1)(F/S). This course is intended for students who have had little or no previous instruction in singing. May be taken for a maximum of two times for credit.

Upper Division

MA 307 Recorder Class (1-0-1)(F/S). The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or 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, utilizing small and large musical forms. May be repeated for a total of 6 credits. PREREQ: PERM/INST.

MA 444 Music Education—Bachelor of Arts Senior Recital (0-0-1). 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 (0-0-2). 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. PERM/INST/CHWN.

MA 446 Senior Performance Recital (0-0-2). 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 (0-0-2). 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) courses 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. Juniors 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—7) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments, -7- harp); third digit = (1—2—4) = credit value. Four-credit studies are reserved for bachelor of music program performance emphasis majors. Non-performance majors may enroll for 4 credits only with permission of the instructor and the department chair. 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, C fretted stringed instruments; A guitar; Bow ed string instruments: A violoncello, B viola, C viola, D string bass. The class schedule printed prior to each semester lists particular studio courses available for the semester.

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

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

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

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

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

MC 132, 134, 232, 234, 332, 334, 432, 434 VOICE 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

MC 162, 164, 262, 264, 362, 364, 462, 464 Bowed STRING INSTRUMENTS private lessons


Course numbers ending in 2: (0—3—2)(F/S).

Course numbers ending in 4: (0—1—4)(F/S).

Music Ensemble

All ME Courses may be repeated for credit.

Lower Division and Upper Division

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

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

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

ME 111, 311 Vocal Jazz Choir (0-2-1)(F). Designed to promote participation in and repertoire knowledge of literature for vocal jazz choirs. Public performance given each semester. PREREQ: PERM/INST.

ME 112, 312 Women's Chorus (0-3-1)(F/S). Designed for female singers who are interested in performing a wide repertoire of music composed for a women's chorus. Enrollment is open to all university women students. Public performance(s) will be expected each semester.

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

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

ME 121, 321-321G Marching Band (0-5-1)(F). Designed to promote participation in and repertoire knowledge of literature for marching bands, the marching band performs at all home and at least one away football game and occasionally at other university or civic events. Open to all students with the approval of the director. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the band and/or its organization.

ME 125, 325 Brass Ensemble (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. PREREQ: PERM/INST.
ME 126, 326 JAZZ ENSEMBLE (0-3-1)(F/S). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of dixieland, be-bop, swing, rock and contemporary jazz. Class rehearsals include study of rhythm problems, notation, improvisation, ear training and chord construction in jazz. Public performance each semester. PREREQ: PERM/INST.

ME 130, 330 WOODWIND ENSEMBLE (0-2-1)(F/S). A course designed to promote playing and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester.

ME 149, 340 PERCUSSION ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. 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, meter selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will be encouraged to compose original music and/or arrange or adapt existing music for the ensemble.

ME 150, 350-350G ORCHESTRA (0-5-1)(FjS). 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. Conducting students are expected to assume leadership roles or will be assigned extra duties within the orchestra and/or its organization. Audition is required for new students.

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

ME 167, 367 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). PREREQ: PERM/INST.

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

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

MU MUSIC, GENERAL

Lower Division

MU 103 ELEMENTS OF MUSIC (2-0-2)(F/S). Intended primarily for music majors, this course is open to anyone interested in acquiring knowledge in or upgrading their underlying course material. The student will study 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 II (3-0-3)(F/S). 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: A grade of C or better in MU 103 or equivalent or satisfactory score on placement test, and piano proficiency.

MU 120 MATERIALS OF MUSIC II (3-0-3)(F/S). 4-voice textures (linear & vertical); homophony; diatonic chords and harmonic relationships; cadences; inversions; dominant sevenths; 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 solfeggio and sight singing leading to aural recognition of 3 and 4 part harmonic structures. PREREQ: Previous or concurrent enrollment in MU 119 and 120.

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

MU 143 SURVEY OF WESTERN ART MUSIC (3-0-3)(AREA 1 CORE). A presentation course designed to acquaint the student with music history (from the Middle Ages to the present), literature, materials, library and listening skills, and writing about music. Open to all students with a serious interest in music, the course presupposes the student has a basic background in music. The course is writing-intensive, with research, journal, and essay assignments.

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 201 MUSIC FUNDAMENTALS (2-0-2). Primarily for Elementary Education students, 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 213 FUNCTIONAL PIANO (2-0-2)(F/S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2-4 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/S). Continuation of 4-part textures. Diatonic sevenths; secondary dominants and introduction to altered chords, augmented sixth and neapolitan chords; 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)(F/S). Continuation of 4-part textures. Eleventh 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; solfeggio, dictation of more advanced rhythms, 2, 3 and 4-parts. Students expected to play at keyboard 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 223 BASIC FORM AND ANALYSIS (2-0-2)(F/S). A study of the basic and elementary formal structures of music from both design and harmonic structure viewpoints. Analysis of the motif, phrase, period, and simpler binary and ternary forms. An overview of larger common forms: sonata, variation, rondo, etc. PREREQ: MU 219 or equivalent or PERM/INST.

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 potential of young students, describing basic physical aspects 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 teaching various woodwind instruments in the public schools, while providing the student with a basis for performing and teaching two or more of the orchestral string instruments: violin, viola, cello and string bass.

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

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods of teaching 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 ORCHESTRATION (1-1-1)(F/S). A look at school music programs to include all levels: primary through secondary programs. Lab period devoted to visitation in public schools.

MU 322 MUSICAL THEATRE PRODUCTIONS (0-10-4)(S). Specific apprenticeships in the area of musical theatre productions. Attention to the technical and aesthetic requirements of musical theatre productions. May be given to an experience in the practical application of knowledge learned in MU 331. Graded pass/fail. May be repeated twice for credit. PREREQ: MU 331, PERM/INST.

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

MU 352 MUSIC HISTORY AND LITERATURE II (3-0-3)(F). An historical overview will be presented along with a look at the behind-the-scenes work necessary in the presentation of musical theatre productions. Includes an in-depth look at all the responsibilities of the entire production crew, from promotion and box office to stage crews, and from make-up crews to cast.

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

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

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

MU 368 PERCUSSION TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic conducting techniques.

MU 369 BRASS TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching
various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.

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

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

MU 385 CHORAL METHODS AND MATERIALS (1-2-2)(S). Designed for music education majors who will be teaching vocal groups in junior and/for senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organizing of vocal groups.

MU 387 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2)(F). The study of the organization and administration of bands and orchestras at the secondary school level; including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 401 MUSIC THEORY REVIEW (2-0-1)(F/S). The course is a review of undergraduate music theory materials and is designed for graduate students planning to take the Predictive exam in Music Theory. Meets the first 8 weeks of the semester only. PREREQ: Baccalaureate Degree.

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

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

MU 424, 424G COUNTERPOINT SINCE 1600 (3-0-3)(F). Study and writing in contrapuntal styles from 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/S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature, Section 2 guitar literature, Section 3 vocal literature. PREREQ: Upper Division standing in performance.


MU 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 in pedagogical techniques. PREREQ: MU 463 Pedagogy I. Alternate years with MU 457.

MU 465-465G DICTION FOR SINGERS I (2-0-2)(F). A course designed for singers, devoted to the understanding of the IPA (International Phonetic Alphabet) system and the learning of the rules of pronunciation in Italian, Latin and Spanish languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Odd-numbered years. PREREQ: 1 year of private studio voice.

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

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

### Degrees Offered
- **BA in Philosophy**

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

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

#### PHILOSOPHY MAJOR
- Bachelor of Arts Degree

The program requirements for a major in Philosophy, in addition to the necessary requirements to obtain a Bachelor of Arts degree from Boise State, consist of 30 hours of Philosophy credit, 21 of which are specifically required courses and 9 of which are electives from other courses in Philosophy. Philosophy majors should bear in mind that the university requires the completion of a total of 40 hours of upper division credit by all graduating seniors. The courses required for a major in Philosophy are:

1. **PY 101 Introduction to Philosophy**
2. **PY 211 Ethics**
3. **PY 221 Introduction to Logic**
4. **PY 305 Ancient Philosophy**
5. **PY 309 Modern Philosophy**
6. **PY 413 Analytic Philosophy**
7. **PY 433 Metaphysics or PY 432 Epistemology**

#### PHILOSOPHY MINOR

- Intro Psychology PY 101
- Ethics PY 211
- Intro Logic PY 221
- Philosophy Electives (NOT PY 489)

**TOTAL** 18

### Course Offerings

**See page 23 for definition of course numbering system**

**PY PHILOSOPHY**

**Lower Division**

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

**PY 201 ORIENTAL PHILOSOPHY (3-0-3)(S).** An examination of the philosophical teachings of the great oriental thinkers through a study of classical texts selected from the traditions of Hinduism, Confucianism, Taoism, and Buddhism. Alternate years.

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

**PY 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 304 SYMBOLIC LOGIC (3-0-3)(S).** A study of techniques of validation in propositional logic and predicate logic, with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency and completeness. PREREQ: PY 221. Alternate years.

**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.
the nature of conscious experience and the place of dread and choice in human
PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3)(S). An exploration of
philosophy from Descartes through Kant, with emphasis on selected figures. 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
creation, the species of aesthetic value, and the nature of beauty. Alternate years.
PY 406 PHILOSOPHY OF SCIENCE (3-0-3)(F). A study of philosophical issues raised
by reflection on the nature of science and the results of scientific inquiry. PREREQ: PY 101 or 121. Alternate years.
PY 410 PHILOSOPHY OF MIND (3-0-3)(S). An examination of various solutions
to the mind/body problem, the problem of other minds as well as related mental
demands. Concepts of action theory may be explored. PREREQ: PY 101. Offered on
demand.
PY 413 ANALYTIC PHILOSOPHY (3-0-3)(S). A critical examination of the
development of the analytic method in Anglo-American philosophy with attention
to such selected figures as Frege, Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101 and PY 221. Alternate years.
PY 433 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 435 EPistemology (3-0-3)(F). An investigation of basic problems concerning
knowledge and the justification of belief. Possible topics include attempts to define
knowledge and related concepts, the problem of skepticism, and the problem of other
minds. PREREQ: PY 101. Alternate years.
PY 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political
philosophy from Socrates to Machiavelli. Alternate years.
PY 442 PART II WESTERN POLITICAL THEORY (3-0-3)(S). Development of political
thought since Machiavelli. PREREQ: PO 441. Alternate years.
PY 489 SENIOR TUTORIAL (3-0-3)(F). Directed research culminating in the writing
of a Senior Essay to be approved by the members of the Philosophy faculty. PREREQ: Senior standing in Philosophy major and approval by the Department Chair of a
Tutorial Project Proposal by April 1 of the semester preceding the semester when the
Tutorial is taken.

Department of Physics
Science-Nursing Building, Room 318 Telephone (208) 385-3775

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

Degree Requirements

PHYSICS MAJOR
Bachelor of Science Degree

The scope of the program is applied. However, flexibility is maintained in
order to direct the student toward their desired objectives. If the student
is interested in going on into graduate Physics, more Math and, some
independent study in Quantum Physics would be recommended.

Depending on the particular field of interest in Physics, the student could
select electives in Biology, Chemistry, Math or Geophysics.

Liberal Arts Option
1. General University and BS Degree Requirements 30

2. Major Requirements 98

A. Physics 56
Mechanics, Waves and Heat & Lab PH 211-212 5
Electricity, Magnetism & Optics & Lab PH 213-214 5
Intermediate Programming PH 225 2
Analog Electronics PH 301 3
Transducers PH 304 3
Intro Modern Physics & Lab PH 309-310 4
Modern Physics PH 311, 312 6
Optics PH 332-333 6
Optics Lab PH 334 1
Mechanics PH 341 4
Electricity & Magnetism, PH 381, 382 6
Advanced Topics PH 422 3
Thermal Physics PH 432 3

B. Math 20
1) Calculus Sequence M 204, 205, 206 13
2) Differential Equations M 331 3
3) A choice of one or more of the following for at least 4 credit hours:
a) Linear Algebra M 301 4
b) Vector Calculus M 320 2
c) Numerical Analysis M 340 4
d) Fund of Statistics M 361 4
e) Four Ser & Bd Value Prob M 421 3
f) Probability & Statistics M 431 3
g) Linear Syst & Sig Process CS 426 4

C. Chemistry C 131, 132-133, 134 9
D. Recommended Electives 13

Secondary Option
1. General University Requirements 30
2. Major Requirements 78

A. Physics 34
Mechanics, Waves and Heat Lec & Lab PH 211-212 5
Electricity, Magnetism & Optics & Lec & Lab PH 213-214 5
Intro to Descriptive Astronomy PH 105 4
Intro Modern Physics PH 309 3
Intro Modern Physics Lab PH 310 1
Modern Physics PH 311, 312 6
Optics PH 332, 333 6
Optics Lab PH 334 1
Senior Lab PH 481 3

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

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

D. Chemistry C 131, 132-133, 134 9
E. General Zoology Z 230 5
F. General Botany BT 130 5
G. Recommended Electives 4
H. Possible Earth Science Elective 4

3. Education Requirements 26-32
Intro Sec Teach: Clsrm Obv TE 172 1
Foundations of Education TE 201 3
Edu. Except Secondary Student TE 333 3
Educational Technology TE 336 2
Educational Psychology TE 225 3
Read in Content Subjects TE 407 3
Secondary School Science Methods TE 384 3
Secondary School Methods TE 381 3

3. Education Teaching 10-16

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

PHYSICS MINOR

*Mechanics, Waves & Heat Lec & Lab PH 211, 212 5
Electricity, Magnetism & Optics Lec & Lab PH 213, 214 4
Intro Modern Physics & Lab PH 309-310 4
*Modern Physics PH 311, 312 6

One of the following 3-4
*Analog Electronics Lab PH 301 4
*Optics PH 332-333-334 4
*Mechanics PH 341 4
*Electricity & Magnetism PH 381 3
*Advanced Topics PH 422 3
*Thermal Physics PH 432 3

*Math or other prerequisite.

TOTAL 23-24

PHYSICS MAJOR
Bachelor of Science Degree

FRESHMAN YEAR

1st SEM 2nd SEM

1st SEM 2nd SEM

English Composition E 101-102 3 3
College Chemistry C 131, 132-133, 134 4 5
Calculus & Analytic Geometry M 204-205 5 4
Mechanics, Waves and Heat Lec & Lab PH 211, 212 5
Electives 2-3 3
Electives 3-4 3
Area I or II Requirements 3

TOTAL 15-16 15-16

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


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

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2)(S). Science and engineering computer application with emphasis on procedural and object-oriented programming including graphics. An extensive individual project is required. PREREQ: Computer programming experience. COREQ: M 205 or M 106. Credit cannot be obtained from both PH 225 and M 225.

Upper Division

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

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

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

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

PH 311-312 MODERN PHYSICS (3-0-3)(F/S). Basic ideas and statistical methods of elementary quantum mechanics with applications to atomic, molecular, solid state, nuclear, and elementary particle physics. PREREQ: M 331 and either PH 309 or PHYS 311.

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

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

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 203 and PHYS 341.


PH 422 ADVANCED TOPICS (3-0-3)(F,S). Selected topics from the major fields of physics such as astrophysics, nuclear, solid state, solar applications, biophysics or medical physics. PREREQ: Upper Division standing and PHYS 331 and possible specific courses depending on topic. Offered on demand.

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

PH 481 SENIOR LAB (1-6-3)(F). A senior laboratory course taught concurrently with PH 481. A sophisticated laboratory project in some area of physics. PREREQ: PH 481.

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

Morrison Center, Room C-100

Telephone (208) 385-3957

Chair and Associate Professor: Stephen R. Buss; Professors: Lauterbach, Shankweiler; Associate Professors: Atalakson; Assistant Professor: Hoste, Klaustch; Special Lecturer: Ceballos;

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

Degree Requirements

THEATRE ARTS Bachelor of Arts Degree

General University Requirements except
1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.) 2
3. Area I Credits 12
   - Intro to Theatre TA 107 3
   - Intro to Art or Music AR 103, MU 133 3
   - Dramatic Literature 3
   - Elective Literature Course 3
4. Area II Credits 12
   - History of Western Civilization HY 101, 102 6
5. The Department recommends that Theatre Arts Majors take one year of Foreign Language and Reading and Study Skills TE 108.

Major Subject Requirements

Theatre Symposium TA 010 0
- Play Analysis TA 105 3
- Introduction to Theatre TA 107 3
- Technical Theatre TA 117-118 8
- Acting (Lower Division) TA 215 3
- Major Production Participation TA 231 2
- Stage Voice TA 233 2
- World Drama TA 341, 342 6
- Directing TA 401 3
- Theatre History TA 421, 422 6
- Contemporary Theatre TA 445 3

The above Theatre Arts basic courses will be required of all students. In addition the student will select one of the following options no later than the end of the Sophomore year:

I. PERFORMANCE OPTION
- Acting TA 216, TA 311 6
- Stage Voice TA 234, TA 335 4
- Movement & Dance Perform Artist TA 412 3
- Major Production Participation TA 331 2
- TOTAL 15

II. DESIGN OPTION
- Elements of Scene Design TA 351 3
- Costume Design TA 352 3
- Stage Lighting Design TA 362 3
- Drawing AR 111 or Stage Make-up TA 162 2 or 3
- Major Production Participation TA 331 2
- TOTAL 13 or 14

III. PLAYWRITING/CRITICISM
- Playwriting TA 340 (Two Semesters) 6
- Acting TA 216 3
- Stage Voice TA 234 2
- Major Production Participation TA 331 2
- TOTAL 13

IV. DIRECTING
- Directing TA 402 3
- Acting TA 216 3
- Stage Voice TA 234 2
- Elements of Scene Design TA 351 3
- Major Production Participation TA 331 2
- TOTAL 13

THEATRE ARTS, SECONDARY EDUCATION

Theatre Symposium TA 010 0
- Play Analysis TA 105 3
- Technical Theatre TA 117-118 8
- Acting TA 215 2
- Movement & Dance for Performance TA 212 or 412 3
- World Drama TA 341 3
- Elem of Scenic Design TA 351 3
- Directing TA 401-402 4
- Theatre History TA 421 or 422 2
- Theatre Management TA 440 3
- Shakespeare TA 345 or 346 3
- Theatre Art Elective 3
- TOTAL 15

*Chosen from: TA 162, 352, or TA 362.

Recommended Program

THEATRE ARTS MAJOR

FRESHMAN YEAR

1st SEM
- English Composition E 101-102 3
- Theatre Symposium TA 010 3
- Play Analysis TA 105 2
- Technical Theatre TA 117-118 3
- Area III Core 4
- Area II Core 3
- Area I Core 3
- Elective 1

2nd SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Major Production Participation TA 231 1
- Movement & Dance for Perform Artist TA 212/412 3
- History of Western Civilization HY 101, 102 3
- Area I Core 3
- Literature Elective Area I Core 3
- Elective 3
- TOTAL 16

SOPHOMORE YEAR

1st SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Major Production Participation TA 231 1
- Movement & Dance for Perform Artist TA 212/412 3
- History of Western Civilization HY 101, 102 3
- Area I Core 3
- Literature Elective Area I Core 3
- Elective 3
- TOTAL 16

2nd SEM
- Theatre Symposium TA 010 0
- World Drama TA 341-342 3
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Area II Core 3
- Area I Core 3
- Elective 1
- Dramatic Literature 3
- Fitness Activity 1
- Elective 3
- TOTAL 18

JUNIOR YEAR

1st SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Major Production Participation TA 231 1
- Movement & Dance for Perform Artist TA 212/412 3
- History of Western Civilization HY 101, 102 3
- Area I Core 3
- Literature Elective Area I Core 3
- Elective 3
- TOTAL 16

2nd SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Area II Core 3
- Area I Core 3
- Elective 1
- Dramatic Literature 3
- Fitness Activity 1
- Elective 3
- TOTAL 18

SENIOR YEAR

1st SEM
- Theatre Symposium TA 010 0
- Directing TA 401 3
- Theatre History TA 421-422 3
- Contemporary Theatre TA 445 3
- Major Production Participation TA 331 1
- TA Option 3
- Upper Division Electives 3
- Elective LD or UD 3
- TOTAL 17

2nd SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Area II Core 3
- Area I Core 3
- Elective 1
- Dramatic Literature 3
- Fitness Activity 1
- Elective 3
- TOTAL 18

SECONDARY EDUCATION EMPHASIS

FRESHMAN YEAR

1st SEM
- English Composition E 101-102 3
- Theatre Symposium TA 010 3
- Play Analysis TA 105 2
- Technical Theatre TA 117-118 3
- Area III Core 4
- Area II Core 3
- Area I Core 3
- Elective 1
- TOTAL 16

2nd SEM
- Theatre Symposium TA 010 0
- TA Option TA 216 or TA 351 3
- TA Option TA 234 or AR 111 2
- Area III Core 4
- Major Production Participation TA 231 1
- Movement & Dance for Perform Artist TA 212/412 3
- History of Western Civilization HY 101, 102 3
- Area I Core 3
- Literature Elective Area I Core 3
- Elective 3
- TOTAL 16
### Course Offerings

See page 23 for definition of course numbering system

#### TA THEATRE ARTS

<table>
<thead>
<tr>
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<th>Credits</th>
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<tr>
<td><strong>Lower Division</strong></td>
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<tr>
<td>TA 010 THEATRE SYMPOSIUM (no credit)</td>
<td>F/S</td>
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<tr>
<td>TA 105 PLAY ANALYSIS (3-0-3)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 107 INTRODUCTION TO THEATRE (3-0-3)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 117-118 TECHNICAL THEATRE (3-4-4)</td>
<td>F/S</td>
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<tr>
<td>TA 210, 410 REPERTORY DANCE (3-3-1)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 213 BALLET II (0-3-1)</td>
<td>F/S</td>
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<tr>
<td>TA 215-216 ACTING (1-2-3)</td>
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<tr>
<td>TA 220 CINEMA: HISTORICAL AND AESTHETICS</td>
<td>F/S</td>
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<tr>
<td>TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1)</td>
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<tr>
<td>TA 233 STAGE VOICE (2-0-2)</td>
<td>F/S</td>
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<tr>
<td>TA 234 STAGE VOICE (2-0-2)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 277 CHILDREN'S THEATRE (3-0-3)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 288 TOURING CHILDREN'S THEATRE (3-0-3)</td>
<td></td>
</tr>
<tr>
<td><strong>Upper Division</strong></td>
<td></td>
</tr>
<tr>
<td>TA 311 ADVANCED ACTING (3-0-3)</td>
<td>F/S</td>
</tr>
<tr>
<td>TA 314 BALLET III, ADVANCED TECHNIQUES (6-2-2)</td>
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### Theatre Arts Minor

#### Lower Division

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<thead>
<tr>
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<tbody>
<tr>
<td>Acting TA 215</td>
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<tr>
<td>Stage Voice TA 233</td>
<td>2</td>
</tr>
<tr>
<td>Intro Secondary Teaching TA 172</td>
<td>1</td>
</tr>
<tr>
<td>Major Production Participation TA 231</td>
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#### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>Acting</td>
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<td>Stage Voice TA 233</td>
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</tr>
<tr>
<td>Area III Core</td>
<td>4</td>
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<tr>
<td>Major Production Participation TA 231</td>
<td>1</td>
</tr>
<tr>
<td>History of Western Civilization HY 101, 102</td>
<td>3</td>
</tr>
<tr>
<td>Area II Core</td>
<td>3</td>
</tr>
<tr>
<td>Literature Elective Area I Core</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education TA 201</td>
<td>3</td>
</tr>
<tr>
<td>Major Production Participation TA 331</td>
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</table>

#### Junior Year

<table>
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<tr>
<th>Course</th>
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<tr>
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<tr>
<td>World Drama TA 341</td>
<td>3</td>
</tr>
<tr>
<td>Scene Design TA 351</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology TE 225</td>
<td>3</td>
</tr>
<tr>
<td>Educ Elective Secondary Student TE 333</td>
<td>1</td>
</tr>
<tr>
<td>Read in Content Subjects TE 407</td>
<td>3</td>
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<tr>
<td>Area I Core</td>
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<tr>
<td>Area II Core</td>
<td>3</td>
</tr>
<tr>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Art or Music AR 103, MU 133</td>
<td>3</td>
</tr>
<tr>
<td>Major Production Participation TA 331</td>
<td>1</td>
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</table>

#### Senior Year

<table>
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<tr>
<th>Course</th>
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<tr>
<td>Theatre Symposium TA 010</td>
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</tr>
<tr>
<td>Theatre History TA 421</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology TE 356</td>
<td>2</td>
</tr>
<tr>
<td>Secondary School Methods TE 381</td>
<td>3</td>
</tr>
<tr>
<td>Directing TA 401-402</td>
<td>3</td>
</tr>
<tr>
<td>Theatre Management TA 440</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Student Teaching</td>
<td>10</td>
</tr>
<tr>
<td>Theatre Arts Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

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

#### Theatre Arts Minor

**Liberal Arts Option:** See recommended minor listed in this Catalog under the English Department heading.

**Courses Applying to Both Disciplines**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shakespeare: Tragedies &amp; Histories E 345</td>
<td>3</td>
</tr>
<tr>
<td>Shakespeare: Comedies and Romances E 346</td>
<td>3</td>
</tr>
</tbody>
</table>

Total in English Minor for Theatre Arts Major: 24
TA 318 METHODS OF TEACHING SECONDARY SCHOOL THEATRE (2-0-2)(S).
Study of methods of teaching acting, play structure and theatre production at the
secondary level. Twenty hours of directed observation required. PREREQ: TA 105,
TA 216, TA 212 or TA 412.

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

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

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

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

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

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

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

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

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

TA 421-422, 421G-422G THEATRE HISTORY (3-0-3)(F/S). Investigation of the
periods of major importance in the development of theatre. The first semester will
include the period from 800 BC through Elizabethan; the second semester from the
Elizabehan period through mid 20th century.

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

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

TA 491 SENIOR PROJECTS (0-6-3)(F/S). The student will prepare and execute a
major creative task in theatre. The student will completely research, plan and execute
a theatrical endeavor relative to his emphasis in theatre, culminating with a formally
written evaluation of the entire experience. The project, upon completion, will be
evaluated and graded by every appropriate faculty member. PREREQ: PERM/CHMN.
College of Business

Dean: Douglas J. Lincoln, Ph.D.
Associate Dean: Patrick W. Shannon, Ph.D.
Telephone: (208) 385-1125

Director of Graduate Studies: David F. Groebner, Ph.D.
Director of Research, Grants and Contracts: Michael Bixby, J.D.
Director of College of Business Student Services Center: Janet M. Centanni, MEd.
Director of Information Technology: Allen Schmoock, MBA


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

• Center for Management Development: James A. Acee, Director
• Idaho Business and Economic Development Center: Ronald Hall, Director
• Center for Economic Education: Gerald F. Draayer, Director

The primary mission of the College of Business is to educate students and professionals for business leadership in a global economy. This mission and the expectations inherent in the College’s designated leadership role in business and economics by the State Board of Education require programs of increasing quality in instruction, basic and applied research and service.

Accreditation

The College of Business was recently re-accredited by the American Assembly of Collegiate Schools of Business at both the undergraduate and graduate levels. This is a distinction held by approximately 25 percent of the 1,200 institutions that grant business degrees nationally.

The College of Business also received additional confirmation of the high quality of its baccalaureate accounting program when the AACSB granted initial accreditation to the accounting program. About 8 percent of accounting programs nationally have attained this recognition.

Student Advising

Students are assisted in their selection of appropriate courses and a business major through the joint efforts of the College’s Student Services Center and faculty advisors. Freshman and sophomore students should contact the College of Business Student Services Center Director, Janet M. Centanni in the business building, room 203 (telephone 208-385-3859).

Student Scholarships

Scholarships are available to students demonstrating ability to achieve excellence in business studies. Over $113,000 is distributed each year among College of Business majors. Students must submit the appropriate applications by March 1. Interested students should contact Student Financial Aid Services at 208-385-1664.

Student Organizations

Beta Alpha Psi, national accounting; Alpha Kappa Psi, national business fraternity; Data Processing Management Association, Association of Data Processing Professionals; Omicron Delta Epsilon, economics; Financial Management Association, finance; Human Resource Association, management; Entrepreneur Club, management; Phi Sigma Epsilon, national marketing fraternity; and Ad Club, marketing; are some of the campus organizations that offer students a chance to expand their educational opportunities. In addition, the College of Business has a chapter of Beta Gamma Sigma (BGS), the national scholastic honor society for business
students. BGS chapters are chartered only at AACSB accredited business colleges.

**Special Requirements and Options**

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

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

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

**Upper Division Admission**

Administrator: Janet M. Centanni  
Business Building, Room 203  
Telephone (208) 385-3859

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

**Minimum Criteria for Upper Division Admission**

1. Admission to Boise State University  
2. Completion of these lower division core courses with a grade of "C" or better (or equivalent courses): English E 101-102, Mathematics M 105 or 111 and M 106 or 204, Economics EC 205-206, Accounting AC 205-206, Legal Environment of Business GB 202, Statistics PR-207.  
3. Cumulative GPA of at least 2.4.  
4. Completion of at least 58 credit hours, including courses in progress the application semester.  
5. Selection of an authorized major.  
6. Application with transcript by October 1 for Spring semester and March 1 for Summer or Fall semesters.

**Bachelor Degree Programs**

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

**Graduation Requirements:** See the Baccalaureate Degrees section of the Catalog for a complete listing of these requirements for the BBA, BA, and BS degrees. All students are cautioned that upper division standing is a prerequisite for enrollment in 300 and 400 level courses and that several of the lower division courses listed above are specific prerequisites for certain upper division Courses in the College of Business.

---

**College of Business Baccalaureate candidates are required to complete the following upper division courses with grades of "C" or higher prior to GB-450, Business Policies, which is also a required core course:**

- Management & Organizational Principles of Production Theory MC 301  
- Principles of Marketing MK 301  
- Principles of Finance FI 303  
- Information Systems IS 310

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

**INTERNATIONAL BUSINESS MAJOR**

**Bachelor of Business Administration**

The International Business Major will be implemented over several years. Thus, if students find some of the upper division elective courses unavailable during 1993-1994, they may work with their advisors to find appropriate substitute courses.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Mathematics M-105-106 or M 111-204</td>
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<tr>
<td>History of Western Civ HY 102 or</td>
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<tr>
<td>Area III</td>
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<tr>
<td>International Relations PO 231</td>
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<td>*Language 101-102</td>
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<tr>
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**Total** 17 18

**SOPHOMORE YEAR**

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<tr>
<td>Principles Microeconomics EC 205</td>
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<tr>
<td>Principles Macroeconomics EC 206</td>
<td>3</td>
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<tr>
<td>Intro to Financial Accounting AC 205</td>
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<td>Intro to Managerial Accounting AC 206</td>
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<td>Statistical Techniques I &amp; II PR 207-208</td>
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<tr>
<td>Legal Environment of Business GB 202</td>
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<td>*Language 201-202 (Area I)</td>
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**Total** 16 16

**JUNIOR YEAR**

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<tr>
<td>Principles of Marketing MK 301</td>
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<td>Management &amp; Organization Theory MG 301</td>
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<td>Business Communications AS 328</td>
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<td>Managing a Global Economy IB 320</td>
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<td>Principles of Finance FI 303</td>
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<td>International Economics IB 333/EC 317</td>
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<td>Prin of Production Management PR 345</td>
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<td>Intro to Mgmt Information Systems IS 310</td>
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<td>International Marketing IB 331/MG 430</td>
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<td>International Management IB 334/MG 334</td>
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**Total** 18 18

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>*History elective 300 or 400 level</td>
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<tr>
<td>Business Policy GB 450</td>
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<td><strong>Political Science elective 300 or 400 level</strong></td>
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<tr>
<td><strong>International Business elective 300 or 400 level</strong></td>
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<tr>
<td>Free non-business electives</td>
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<tr>
<td>Free business electives</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Global Strategy IB 455</td>
<td>3 3</td>
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</tbody>
</table>

**Total** 15 15

**TOTAL** 130 CREDITS

**NOTE:** If a student demonstrates language competency or is able to move directly into the 201, 202 language series, two additional courses are recommended, chosen from the following courses or from courses approved by International Business advisor: LI 305-Introduction to Language Studies; F/CS Language 377-Introduction to German/French or Spanish Culture and Civilization; F/CS Language 383-Advanced Conversation and Composition Course.

**International Business advisor: 11 305-Introduction to Language**  
**Studies; F/G/S Language 377-lntroduction to German/French or Spanish Cuilure and Civiiization;**

**College of Business 181**  
**1st**  
**2nd**

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**International Promotion; IB 437/MK 437 International Market Research; IB 435/MK 436 International Promotion; IB 437/MK 437 International Channels of Distribution; IB 442/MG 442 Comparative Management; IB 443 Importing and Exporting Procedures; IB 444 International Management Simulation; IB 481 International Internship or Overseas Experience (e.g., Study Abroad).**
IB 320 MANAGING IN A GLOBAL ECONOMY (3-0-3)(F). An overview of (1) the international business environment facing business firms, whether engaged in business overseas or not, (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm level decisions about strategy, entry into overseas markets, and functional areas including marketing, finance, and personnel. PREREQ: Upper Division Business standing.

IB 331/MK 430 INTERNATIONAL MARKETING (3-0-3)(S). An analysis of the creation, planning, and implementation of marketing strategies that cross national and cultural boarders. PREREQ: Upper Division Business standing and MK 301.

IB 332/FI 430 INTERNATIONAL FINANCE (3-0-3)(F). This course builds a strong foundation on the relationship among international financial markets. Included is exchange rate determination and parity conditions across countries. Once the foundation is built, the multinational firm is examined in this framework. Included is working capital management, capital budgeting, and cost of capital for the multinational firm. PREREQ: Upper Division Business standing and FI 303.


IB 420/EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3)(S). A comparative study of the goals and methods of economic systems such as capitalism, socialism, and communism. The study will be approached from both a theoretical and practical point of view. PREREQ: EC 206 or PERM/INSTR.

IB 421/EC 319 DEVELOPMENT ECONOMICS (3-0-3)(S). This course examines economic development within the context of a global political economy. Alternative development paradigms and resulting policy prescriptions will be studied. The record of success and failures of developing countries will be evaluated and these countries common characteristics compared. Specific topics will include: development and income distribution; resource mobilization; agricultural and industrial development; human resource development; the role of international agencies; international trade relations; and foreign aid and investment. PREREQ: EC 205, 206.

IB 334/MG 334 INTERNATIONAL MANAGEMENT (3-0-3)(S). The course addresses issues of managing multinational corporations, both American firms overseas and non-American firms in the U.S. Specifically, the course provides insights into structure, human resource management practices, managing motivation, communication, staffing and related issues. PREREQ: Upper Division Business standing and MG 301.

IB 430/AC 430 INTERNATIONAL ACCOUNTING (3-0-3)(F). This course discusses the management control problems and practices in multinational organizations. Performance and cost measurements of foreign corporations are compared to U.S. measurements. Two key problems unique to foreign operations, transfer pricing and exchange rates, are discussed in detail. The impact of taxation, government regulations, tariffs, social and economic factors on decision making are also examined. PREREQ: AC 351 or PERM/INSTR and Upper Division Business standing and MK 331.


IB 436/MK 436 INTERNATIONAL PROMOTION (3-0-3)(F). A comprehensive approach to creating and implementing promotional activities within a cross-cultural environment. All aspects of the promotional mix are described, such as personal selling, advertising, sales promotion, and public relations. Cultural sensitivity and ethical considerations are stressed. PREREQ: Upper Division Business standing and MK 331.

IB 437/MK 437 INTERNATIONAL CHANNELS OF DISTRIBUTION (3-0-3)(S). Discussion of the behavioral processes which affect international channels. Emphasizes the design of international channels and how to motivate channel members and their appropriate distribution of physical distribution, especially the role of just-in-time delivery systems, is analyzed. PREREQ: Upper Division Business standing and MK 331.

IB 442/MG 442 COMPARATIVE MANAGEMENT (3-0-3)(F). This course compares management styles and practices across major regions of the world, such as the Pacific Rim, North and South America, Western and Eastern Europe, and the Soviet Union. PREREQ: Upper Division Business standing and IB 320.

IB 443 IMPORTING AND EXPORTING PROCEDURES (3-0-3)(F). Focusing on importing and exporting, this course offers a practical experience in international trade. Specifically the course will cover payment and financial procedures, export procedures and documents, shipment methods, countertrade and resources available for importers and exporters. PREREQ: Upper Division Business standing and IB 320.

IB 444 INTERNATIONAL MANAGEMENT SIMULATION (3-0-3)(S). The course uses a computer simulation business game to provide teams of students the opportunity to learn how firms from Japan, the U.S. and Germany compete in a global economy. PREREQ: IB 320, College of Business core courses.

IB 455 SENIOR SEMINAR IN GLOBAL STRATEGY (3-0-3)(F/S). This capstone course for international business majors will help students integrate material learned in international business, economics, history and political science courses. The students will apply their knowledge by helping local area firms decide whether and how to be more competitive in a global economy. PREREQ: Limited to international business majors who have completed all core International Business courses and GB 450.

IB 481 INTERNATIONAL INTERNSHIP OR OVERSEAS EXPERIENCE (3-0-3)(F/S). The course offers students the opportunity to gain international experience through one of several types of experiences, including study abroad or an internship, either with a local firm or with an overseas firm. PREREQ: Approval of International Business Advisor and Upper Division Business standing.

Business Minor

Students pursuing a Business Minor are required to register with the Student Services Center in the College of Business (B-203). A student pursuing a non-business major at Boise State University may earn a Business Minor by satisfying the requirements listed below in addition to their major requirements.

English Composition E 101-102 .......................................................... 6
Math for Business Decisions M 105-106 ............................................. 8

Upon approval of the College of Business Student Services Center the student may substitute the two-semester mathematics sequence which is required in their major field.

Statistical Techniques for Decision Making I PR 207 .......................... 3

Upon approval of the College of Business Student Services Center the student may substitute the statistical techniques class required in their major field.

Prin of Microeconomics EC 205 ......................................................... 3
Prin of Macroeconomics EC 206 ....................................................... 3
Intro Financial Accounting AC 205 ............................................... 3
Intro Managerial Accounting AC 206 ............................................. 3
Legal Environment of Business GB 202 ...................................... 3

Upon approval of the College of Business Student Services Center the student may substitute the computer literacy course required in their major field.

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

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

Department of Accounting

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

Chair and Professor: William C. Lather; Professor: Merz, Pirrong;
Associate Professors: T. English, Koeppe, Medlin, Nix; Assistant Professor:
D. English; Special Lecturers: Bates, Christensen, Demaree.

Degrees Offered

• BBA, BA, and BS in Accounting
• MS in Accounting, Tax Emphasis: see Graduate College for further details

Department Statement

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 twelve full-time faculty. Eight have completed the doctorate; all are Certified Public Accountants; and three are Certified Managerial Accountants. Their research is recognized through publications in professional and academic journals. 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 frequently conduct classes and workshops. This "corporate laboratory" experience at BSU provides the student with a unique perspective not typically available at other schools.
The objectives of the accounting program are:
1. To provide students with the technical and interpersonal skills that will permit them to secure successful career opportunities in public accounting, industry, or in the public sector.
2. To provide students with a general education that will enable them to function as responsible citizens within our socio-economic environment. This includes an understanding of their professional, ethical, and social responsibilities.

A key goal is to provide a foundation for motivated graduates to progress rapidly into responsible positions. To accomplish this, the accounting program is intended to develop and enhance a student’s critical thinking, judgment, and communication skills. The curriculum requires extensive exercise of professional judgment and decision-making. The use of the microcomputer in the learning process is paramount, particularly with the application of oral and written skills, analytical practice sets, and the use of electronic spreadsheets as a tool for analysis, problem-solving, and modeling.

The accounting degree requires a comprehensive 134-hour program of studies. The program includes a minimum of 55 hours of broad-based education, including communications, mathematics, humanities, social sciences, and natural sciences; 42 hours of study in the common body of knowledge in business and economics; 30 credit hours of accounting; and 7 hours of free electives.

The department also offers an Internal Audit option for accounting majors. Those interested in this option must take the courses prescribed below.

Because of the rigor and intensity of the upper division accounting program, students are strongly urged to consult with their advisor before entering upper division to develop an individual plan.

### Recommended Program

#### ACCOUNTING PROGRAM
Bachelor of Business Administration Degree

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<td><strong>Intro to Financial Accounting AC 205</strong></td>
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<td>Cost Accounting AC 351</td>
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<td>Anal, Design &amp; Audit of Acctg Info Systems AC 350</td>
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<td>Business Communication AS 328</td>
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<td>Intro Mgmt Information Systems IS 310</td>
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<td>Management &amp; Organizational Theory MG 301</td>
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<td>Principles of Production Management PR 345</td>
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<td>Advanced Income Taxation AC 402</td>
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<td>Auditing AC 405</td>
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### Course Offerings

**ACCOUNTING**
See page 23 for definition of course numbering system

#### 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.

#### Upper Division

**AC 302** PRINCIPLES OF INCOME TAXATION (3-0-3).
Theory and application of Federal income taxes to individuals and sole proprietorships. Property transactions are covered along with discussions of the CPA/Client relationship and the social and political considerations of developing tax law. Degree credit will be allowed for either AC 320 or AC 302. PREREQ: Upper Division Business standing and AC 206.

**AC 304** INTERMEDIATE ACCOUNTING I (3-0-3).
The course includes the study of financial reporting, including the effects of economic, legal, political, social and ethics influences on the formulation of generally accepted accounting principles. A comprehensive analysis of basic financial reporting, including the preparation of the statements of income and financial position. Indepth study of current and noncurrent assets and liabilities plus stockholder’s equity. Lotus 1-2-3 is used as a tool in analyzing complex reporting problems. PREREQ: Upper Division Business standing and AC 206.

**AC 306** INTERMEDIATE ACCOUNTING II (3-0-3).
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: Upper Division Business standing and AC 304.

**AC 320** TAX FACTORS IN BUSINESS DECISIONS (3-0-3).
Introduction to impact of federal income taxes on business operating and financing decisions. Degree credit...
not allowed for both AC 230 and AC 302. Offered when possible. PREREQ: Upper Division Business standing and AC-206.

AC 350 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)(F,S). The purpose of this course is to provide an introduction to accounting information systems. Topics covered include (1) general systems theory, (2) the records, documents, procedures and controls found in the primary manual and computer-based systems, (3) the approaches, methods and tools useful for designing, developing, implementing and controlling accounting information systems, and (4) the relation of experience with microcomputer, database, spread-sheet, and pre-audit software applications. The ethical dimensions of these topics are also considered. PREREQ: Upper Division Business standing and AC 304.

AC 351 COST ACCOUNTING (3-0-3)(F,S). The course covers the theory of cost accounting and cost control; including job order, process, direct and standard costs, budgeting, breakeven analyses and the role of a management accountant, including ethical responsibilities. Emphasis on cost determination as a tool for management decision making. PREREQ: Upper Division Business standing and 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: Upper Division Business standing and AC 351.

AC 402 ADVANCED INCOME TAXATION (3-0-3)(F,S). Theory and application of the federal income tax to corporations organized for profit, and an introduction to partnership, trust and estate and gift taxation. PREREQ: Upper Division Business standing, AC 302, and AC 306.

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: Upper Division Business standing and AC 306.

AC 407 INTERNAL AUDITING (3-0-3)(F). A specialized course dealing with Internal Auditing as a profession. Topics include ethics, internal control, operational auditing, fraud and forensic auditing. The course uses a case approach and includes a project with local internal audit departments. PREREQ: AC 307.

AC 440-440C ACCOUNTING THEORY (3-0-3)(F,S). This course covers measurement theory and its implications for asset valuation and income determination. Specialized study of revenue recognition, accounting for changing prices, and basic financial analysis. Emphasizes development of analytical and written communication skills. Computer applications are also used throughout the course. PREREQ: Upper Division Business standing and AC 306.

AC 450 ELECTRONIC DATA PROCESSING (EDP) AUDITING (3-0-3). This course covers the theory and application of auditing in an EDP environment. Course coverage emphasizes the evaluation of internal controls in an EDP environment. Topics include administrative and organizational controls, documentation and security controls, application controls related to batch and online input, and computer-assisted techniques. Assignments are both theoretical and on-site. PREREQ: AC 350, AC 405.

AC 465 ADVANCED ACCOUNTING (3-0-3)(F,S). Topics include financial reporting for state and local governments and other not-for-profit organizations, accounting for partnerships, business combinations, consolidated financial statements, and foreign currency transactions. PREREQ: Upper Division Business standing, AC 306 or PERM/INST.

AC 480 SELECTED ACCOUNTING TOPICS (3-0-3). Current accounting topics and issues are investigated in this class. PREREQ: Upper Division Business standing.

Department of Computer Information Systems & Production Management

Business Building, Room 308 Telephone (280) 385-1101

Chair and Professor: Susan I. Brender; Professors: Clark, Green, Groebner, LaCava, Shannon; Associate Professors: Gallup, Maxson, Minch, Warberg, G. Wojkowski, W. Wojkowski; Assistant Professor: Anson, Fry.

Degrees Offered

• BBA, BA, and BS in Computer Information Systems
• BBA, BA, and BS in Production and Operations Management

Department Statement

Career opportunities for graduates of our Computer Information Systems (CIS) majors and Production and Operations Management (POM) majors are excellent. There is a great demand by industry and government for individuals who have a solid, educational background of the kind provided by our programs. Our students are assured of receiving a high quality education because:

We have a highly qualified and dedicated faculty. All full-time faculty in the department hold doctoral degrees and are engaged in state-of-the-art scholarly work. The faculty is dedicated to the teaching profession and utilizes a variety of innovative teaching methods. Our faculty is genuinely interested in the education and well being of our students.

The curriculum is at the forefront of developments in each field and has been updated to reflect the many changes that have occurred. Students will be challenged with the most current thinking in their discipline.

There is a great deal of involvement with local organizations. Our department has advisory boards of business leaders who work with the department to enhance our educational mission. A number of internships are offered and students are encouraged to take advantage of such a unique learning experience. Most instructors bring into class experienced professionals as guest lecturers. Many classes also require projects involving field work, in addition to on-site tours at local firms.

Student organizations provide leadership opportunities as well as educational programs. The student chapter of the Data Processing Management Association (DPMA) has had a tradition of serving the educational, social, and professional needs of our CIS majors. The newly formed Production and Operations Management Association will offer similar advantages to POM students.

After graduation our students will join a distinguished group of alumni, many of whom hold key positions at some of our nation's best organizations. Many of our alumni are actively involved in supporting our programs.

Technology, global competition, and the demand for greater productivity are changing the nature of business. Graduates of our CIS and POM programs will receive an education to help prepare for exciting and challenging leadership career positions to bring about change.

Recommended Programs

COMPUTER INFORMATION SYSTEMS MAJOR Bachelor of Business Administration Degree

Computer Information Systems (CIS) is a field of study merging several different disciplines such as organizational behavior, management, accounting, management science, and computing technology. The central focus of CIS is the development and maintenance of information technology to support organizational business processing and decision making activities. The basic purpose of the program is to prepare students for careers providing information technology services. For example, a CIS major would have a number of career tracks to consider including end-user computing, database administration, application programming, systems analysis and development, information center service, operations, communications specialist, and information resource management. The CIS program provides thorough education in computing and general business, along with a broad background in the arts and sciences. The CIS program emphasizes a balance between technological, human, and organizational considerations involving the application of information technology.

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>Statistical Techniques I &amp; II PR 207-208</td>
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<td>Intro to Financial Accounting AC 205</td>
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<td>End-User Computing IS 217</td>
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<tr>
<td>Intro to Bus Appl Programming (COBOL) IS 221</td>
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The Production and Operations Management (POM) major is dedicated to giving students an understanding of the management of resources, organizational structure, human resource issues, end-user technical, operational, developmental and support functions, acquisitions and management of the information systems function. Topics include the concepts of data communication, related hardware and software technology, standards and protocols, local and wide area networks, network management, techniques and development of programs and systems for batch and interactive environments using features including sequential files, random access files, input/output and productivity tools. PREREQ: Upper Division Business standing. NOT required for CIS majors.

**International Business Electives** include a choice of three classes: EC 315 Comparative Economics, or EC 317 International Economics, or GB 445 International Business.

NOTE: All courses in the major must be completed with a grade of "C" or higher.

**Course Offerings**

See page 23 for definition of course numbering system.

**IS COMPUTER INFORMATION SYSTEMS**

**Lower Division**

IS 101 COMPUTER APPLICATIONS (3-0-3)(F,S). Application of computing for both microcomputers and mainframe are discussed. Particular attention is devoted to problem solving with computers through hands-on experience. Students will learn to use some of the most commonly used software for word processing, spreadsheets, database management, and graphing. This course is appropriate for members of the community and for students from any discipline wishing to gain familiarity with computers.

IS 217 END USER COMPUTING (3-0-3)(F,S). Addresses very high level languages such as "fourth generation languages" for business applications. Emphasis is on rapid development, incremental design, and prototyping "live" systems. Hands-on use of very high level languages for homework and projects will be included. PREREQ: IS 101.

IS 221 INTRODUCTION TO BUSINESS APPLICATIONS PROGRAMMING (COBOL) (3-0-3)(F,S). Development of business applications in COBOL with structured programming concepts. Emphasis on structured program design, documentation, testing, and implementation issues. PREREQ: IS 101.

**Upper Division**

IS 310 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (3-0-3) (F,S). An introduction to the fundamental concepts of management information systems in business organizations. Management information is the framework tying together business decision makers in an organization. This course includes information systems concepts and planning; end-user computing; hardware, software, database systems; systems analysis, design, implementation; computer-human interface; data communications and networks; international, social, political, legal, behavioral and ethical issues of MIS. PREREQ: Upper Division Business standing. Not required for CIS majors.

IS 317 DATABASE MANAGEMENT SYSTEMS (3-0-3)(F,S). Database organization, manipulation, and administration in business environments. Topics include: data structures and related algorithms; file and database organizations/models including relational hierarchical, and network; data dictionary systems; languages for data definition, manipulation, and retrieval; and administrative considerations in multi-user and distributed environments. PREREQ: Upper Division Business standing, IS 217 and IS 221.

IS 320 SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F,S). Utilization of methods for working with users to analyze and develop business applications. The life cycle of development, project management, process of interface with users, documentation, database interface, and productivity tools will be discussed. PREREQ: Upper Division Business standing, IS 217, and IS 221.

IS 361 BUSINESS APPLICATIONS PROGRAMMING (COBOL) (3-0-3)(S). Processing techniques and development of programs and systems for batch and interactive environments using features including sequential files, random access files, input editing, and advanced topics. PREREQ: Upper Division Business standing, and IS 221.

IS 380 TELECOMMUNICATIONS (3-0-3)(F). Discussion of telecommunications technology and managerial issues in a business environment. Topics include basic concepts of data communication, related hardware and software technology, standards and protocols, local and wide area networks, network management, common carrier services, and emerging trends. Emphasis is on basic concepts, applications, and telecommunications management rather than details of hardware and software technology. PREREQ: Upper Division Business standing.

IS 430 ADVANCED SYSTEMS DEVELOPMENT (3-0-3)(S). Use of computer-aided software development techniques including CASE, fourth generation languages, and other development tools to facilitate system development and implementation. PREREQ: Upper Division Business standing, and IS 320.

IS 455 DECISION SUPPORT SYSTEMS (3-0-3)(F). Topics will include the decision-making process, fundamentals of decision support systems technology, and related systems. Students will be expected to develop an application that supports managerial decision makers. PREREQ: Upper Division Business standing, and IS 320.

IS 490 INFORMATION RESOURCE MANAGEMENT (3-0-3)(S). A capstone course covering the management of the information systems function. Topics include the technical, operational, development, and support functions, acquisitions and management of resources, organizational structure, human resource issues, end-user computing, ethical and legal considerations, and managing emerging technologies. PREREQ: Upper Division Business standing, IS 317, and IS 320.

IS 493 INTERNSHIP (Variable Credit) (F,S). Field learning in an MIS environment under supervision of both a manager and professor. PREREQ: Upper Division Business standing, and IS 320 (or concurrent enrollment).
ECONOMICS MAJOR  SOCIA L SCIENCE EMPHASIS
Bachelor of Arts Degree

1. TOTAL General University and Major Requirements 128
2. Lower Division Courses (Total) 51
   English Composition E 101-102 or E 111-112 6
   Literature (Area I Core) 3
   Intro to Philosophy PY 101 3
   *Other Arts and Humanities (Area I) Core Courses 6
   Principles of Macroeconomics EC 205 or EC 205H 3
   History of Economics, Social Science 311 3
   Quantitative Methods in Economics EC 421 3
   Econometrics EC 422 3
   Economics Electives 12
   **Upper-division social science electives 15
3. UPPER DIVISION COURSES (Total) 45
   Intro to Management Information Systems IS 310 3
   Intermediate Microeconomics EC 303 3
   Intermediate Macroeconomics EC 305 3
   History of Economics, Social Science 311 3
   Quantitative Methods in Economics EC 421 3
   Econometrics EC 422 3
   Economics Electives 12
   **Upper-division social science electives 15
4. ELECTIVES **Lower or Upper Division 32
   *Must include at least one Area I field other than literature or philosophy.
   **Selected from psychology, political science, sociology, anthropology, geography, or history.
   ***Among these courses must be at least 6 credits in Arts and Humanities (Area I) or non-economics Social Sciences (Area II). These courses need not be chosen from the list of core courses.

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

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

### RECOMMENDED PROGRAM

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
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<tr>
<td><strong>SEM</strong></td>
<td><strong>SEM</strong></td>
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<tr>
<td>English Composition E 101-102 or E 111-112</td>
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<tr>
<td>Math M 105-106 or M 111-204</td>
<td>4-5</td>
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<tr>
<td>History HY 101-102 or 201-202</td>
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<tr>
<td>Philosophy PY 101</td>
<td>3</td>
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<tr>
<td>Area I core (third field)</td>
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<td>Electives</td>
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<td><strong>TOTAL</strong></td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>Prin of Microeconomics EC 205-205H</td>
</tr>
<tr>
<td>Prin of Macroeconomics EC 206-206H</td>
</tr>
<tr>
<td>Area I core (Literature)</td>
</tr>
<tr>
<td>Statistics PR 207</td>
</tr>
<tr>
<td>Area III core (Science)</td>
</tr>
<tr>
<td>Intro Financial Accounting AC 205</td>
</tr>
<tr>
<td>Area II core (except EC or HY)</td>
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<tr>
<td>Area I and II Electives</td>
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<td><strong>TOTAL</strong></td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intern Microeconomics EC 303</td>
</tr>
<tr>
<td>Intern Macroeconomics EC 305</td>
</tr>
<tr>
<td>History Economic Thought EC 311</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>Intro Mgmt Information Systems IS 310</td>
</tr>
<tr>
<td>UD Social Science</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
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</table>

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
<tr>
<td>UD Social Science</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

### ECONOMICS MAJOR

#### QUANTITATIVE EMPHASIS

**Bachelor of Arts Degree**

1. **TOTA General University and Major Requirements | 128**

2. **LOWER DIVISION COURSES (Total)** | 50 or 53

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English Composition E 101-102 or E 111-112</td>
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<tr>
<td>Literature (Area I Core)</td>
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<tr>
<td>Introduction to Philosophy PY 101</td>
</tr>
<tr>
<td>Principles of Microeconomics EC 205-205H</td>
</tr>
<tr>
<td>Principles of Macroeconomics EC 206-206H</td>
</tr>
<tr>
<td>History of Western Civilization HY 101-102 or Problems of Western Civilization HY 201-202</td>
</tr>
<tr>
<td>Social Science (Area II Core Course other than HY or EC)</td>
</tr>
<tr>
<td>Calculus &amp; Analytical Geometry M 204-205-206 or Accelerated Calculus M 211-212</td>
</tr>
<tr>
<td>Natural Science (Area III Core)</td>
</tr>
<tr>
<td>Intro Financial Accounting AC 205</td>
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<tr>
<td>Intro to Mgmt Information Systems IS 310</td>
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<tr>
<td>Intermediate Microeconomics EC 303</td>
</tr>
<tr>
<td>Intermediate Macroeconomics EC 305</td>
</tr>
<tr>
<td>History of Economic Thought EC 311</td>
</tr>
<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>Intro to Mgmt Information Systems IS 310</td>
</tr>
<tr>
<td>Linear Algebra M 301</td>
</tr>
<tr>
<td>Statistics M 361 or PR 207-208</td>
</tr>
<tr>
<td><strong>Upper-division Decision Science or Math electives</strong></td>
</tr>
<tr>
<td><strong>ELECTIVES</strong> <strong>Lower or Upper Division</strong></td>
</tr>
</tbody>
</table>

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

** Among these courses must be at least 6 credits in Arts and Humanities (Area II) or Non-economics Social Sciences (Area III). These courses need not be chosen from the list of core courses. They may be either lower- or upper-division.

### RECOMMENDED PROGRAM

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td><strong>SEM</strong></td>
<td><strong>SEM</strong></td>
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<tr>
<td>English E 101-102 or E 111-112</td>
<td>3</td>
</tr>
<tr>
<td>Math M 204-206 or M 211-212</td>
<td>5-5</td>
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</table>

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I core</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intern Microeconomics EC 303</td>
</tr>
<tr>
<td>Intern Macroeconomics EC 305</td>
</tr>
<tr>
<td>History Economic Thought EC 311</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>Intro Mgmt Information Systems IS 310</td>
</tr>
<tr>
<td>Linear Algebra M 301</td>
</tr>
<tr>
<td>Stat PR 208 (if M 361 not taken) or Elective</td>
</tr>
<tr>
<td>UD Math or Production Management</td>
</tr>
<tr>
<td>Area I or II Elective</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>UD Math or Production Management</td>
</tr>
<tr>
<td>Area I or II Elective</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

### ECONOMICS INTERNATIONAL ECONOMICS

**Bachelor or B.A.**

The International Economics Option is a cooperative program involving the Departments of Economics, Political Science, and History. Distinctive features of the International Economics option are: (1) 24 hours of upper division course work in economics of which 9 must be in international-related economics electives; (2) 21 hours of upper division political science and history courses with an international scope [not fewer than 9 in each of these two disciplines]; and (3) language competency to be fulfilled by taking 16 hours of language courses. Completion of requirements will lead to a BA degree in Economics with an International Economics option.

1. **TOTA General University and Major Requirements** | 128

2. **TOTA Lower Division courses** | 61 or 63

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>English Composition E 101-102 or E 111-112</td>
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<tr>
<td>Literature Area I Core</td>
</tr>
<tr>
<td>Introduction to Philosophy PY 101</td>
</tr>
<tr>
<td>Area I - Third Field</td>
</tr>
<tr>
<td>Area I - Any Field</td>
</tr>
<tr>
<td>History of Western Civilization HY 102 or Problems of Western Civilization HY 201-202</td>
</tr>
<tr>
<td>History of Eastern Civilization HY 105</td>
</tr>
<tr>
<td>History of Western Civilization HY 205H</td>
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<tr>
<td>History of Macroeconomics EC 206 or EC 206H</td>
</tr>
<tr>
<td>International Relations PO 231</td>
</tr>
<tr>
<td>Mathematics M 105-106 or M 111-204</td>
</tr>
<tr>
<td>Natural Science (Area III Core)</td>
</tr>
<tr>
<td>*Foreign Language through 202</td>
</tr>
<tr>
<td>Statistical PR 207 or M 361</td>
</tr>
<tr>
<td><strong>TOTA Upper Division Courses</strong></td>
</tr>
<tr>
<td>Intermediate Microeconomics EC 303</td>
</tr>
<tr>
<td>Intermediate Macroeconomics EC 305</td>
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<tr>
<td>International Economics EC 317</td>
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<tr>
<td>International Economics EC 421</td>
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<tr>
<td>Econometrics EC 422</td>
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<tr>
<td><strong>International Economics Elective</strong></td>
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<td>Economics Elective</td>
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<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
<tr>
<td><strong>Political Science Courses to be chosen from:</strong> PO 311, 321, 324, 329, 333, 335, 421, 422, 429, 451</td>
</tr>
<tr>
<td><strong>History Courses to be chosen from:</strong> HY 307, 308, 312, 315, 316, 317, 327, 329, 330, 331, 332, 335, 368, 468, 481, 482</td>
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</tbody>
</table>
4. ELECTIVES from Economics or from the following list are recommended: AC 205, MK 430, GB 445, FI 430, 20 or 22 CG 311, 340, 350, AN 102, 311, ECON 375.

*Competency in one language at the Intermediate level is required for this option. Competency may be satisfied by taking language courses for four semesters for those with no language background, by taking a language course at the 202 level, or by passing a language competency examination.

**May be chosen from EC 315, EC 319, AC 445, GB 445, and other international-related economics courses.

***A total of 21 hours must be taken from Political Science and History with a minimum of 9 hours from each department.

The department also recommends that each student consider participating in a studies abroad program as a way to gain international experience and to meet course requirements, especially in language and electives.

RECOMMENDED PROGRAM

5. LOWER DIVISION COURSES (Total) 55

English Composition E 101-102 or E 111-112 3

Economics Electives 12

Other Arts and Humanities (AREA I Core) 3

Principles of Microeconomics EC 205-205H 3

Principles of Macroeconomics EC 206-206H 3

U.S. History (AREA II Core) HY 151-152 6

American National Government PO 101 3

Mathematics for Business Decisions M 105-106 8

Social Science (AREA III Core) 4

Intro Secondary Teaching: Classroom Observation TE 172 1

Foundations of Education TE 201 3

Senior High School Social Science Methods TE 385 8

Senior High School Student Teaching TE 485 10

First Social Science Field 15

Secondary Social Science Field 15

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211-212) and Linear Algebra (M 311).

BUSINESS ECONOMICS MAJOR

Bachelor of Business Administration Degree

1. TOTAL University and Major Requirements 128

English Composition E 101-102 or E 111-112 6

Other Arts and Humanities (Area I Core Courses) 6

Principles of Microeconomics EC 205-205H 3

Principles of Macroeconomics EC 206-206H 3

Non-Economics Social Science (Area II) Core Courses 6

Math M 105-106 or M 111-204 8 or 9

Natural Science (Area III Core) 4

Intro Financial Accounting AC 205 3

Intro Managerial Accounting AC 206 3

Legal Environment of Business GB 202 3

Statistical Techniques PR 207-208 6

Economics Electives 12

Intro to Mgmt Information Systems IS 310 3

Business Communications AS 328 3

Principles of Management MG 301 3

Principles of Marketing MK 301 3

Principles of Finance FI 303 3

Principles of Production Management PR 345 3

Organizational Behavior MG 401 3

Business Policies GB 450 3

4. ELECTIVES Lower or Upper Division (Total) 25 or 26

*Non-business electives 16

Free Electives 9 or 10

*Must include courses from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics) although the selections need not be made from the list of University core courses.

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211-212) and Linear Algebra (M 311).
### RECOMMENDED PROGRAM

<table>
<thead>
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<th>SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102 or E 111-112</td>
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<tr>
<td>Math M 105-106 or M 111-204</td>
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<tr>
<td>Area I core</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Area II core (Non-economics)</td>
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<td><em>Non-business Electives</em></td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>16-17</td>
<td>16-17</td>
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### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course Offerings</th>
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<tbody>
<tr>
<td>Prin of Microeconomics EC 205-205H</td>
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<tr>
<td>Prin of Macroeconomics EC 206-206H</td>
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<tr>
<td>Area III core (Science)</td>
</tr>
<tr>
<td>Intro to Financial Accounting AC 205</td>
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<tr>
<td>Intro to Managerial Accounting AC 206</td>
</tr>
<tr>
<td>Legal Environment of Business GB 202</td>
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<tr>
<td>Statistics</td>
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<tr>
<td><em>Non-business Elective</em></td>
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<tr>
<td><strong>TOTAL</strong></td>
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### JUNIOR YEAR

<table>
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<th>Course Offerings</th>
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</thead>
<tbody>
<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>Intermediate Macroeconomics EC 305</td>
</tr>
<tr>
<td>History Economic Thought EC 311</td>
</tr>
<tr>
<td>Intro Mgmt Information Systems IS 310</td>
</tr>
<tr>
<td>Management &amp; Organizational Theory MG 301</td>
</tr>
<tr>
<td>Prin Finance FI 303</td>
</tr>
<tr>
<td>Prin Marketing MK 301</td>
</tr>
<tr>
<td>Business Communication AS 328</td>
</tr>
<tr>
<td>Prin Production-Management PR 345</td>
</tr>
<tr>
<td><em>Non-business Elective</em></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
<tr>
<td>Economics Electives</td>
</tr>
<tr>
<td>Organizational Behavior MG 401</td>
</tr>
<tr>
<td>Business Policies GB 450</td>
</tr>
<tr>
<td>Free Electives</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

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

### ECONOMICS MINOR

Any BSU baccalaureate student may earn a minor in economics by satisfying the requirements listed below in addition to their major requirements.

### REQUIRED COURSES:

<table>
<thead>
<tr>
<th>Course Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Microeconomics EC 205</td>
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<tr>
<td>Principles of Macroeconomics EC 206</td>
</tr>
<tr>
<td>Internal Microeconomics EC 303</td>
</tr>
<tr>
<td>Internal Macroeconomics EC 305</td>
</tr>
<tr>
<td>Any three of the following upper-division economics courses:</td>
</tr>
<tr>
<td>Money &amp; Banking EC 301</td>
</tr>
<tr>
<td>Public Finance EC 310</td>
</tr>
<tr>
<td>History of Economic Thought EC 311</td>
</tr>
<tr>
<td>Comparative Economic Systems EC 315</td>
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<tr>
<td>International Economics EC 317</td>
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<tr>
<td>Regional Economics EC 321</td>
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<td>Urban Economics EC 322</td>
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<tr>
<td>Radical Economics EC 325</td>
</tr>
<tr>
<td>Labor Economics EC 327</td>
</tr>
<tr>
<td>Natural Resource Economics EC 333</td>
</tr>
<tr>
<td>Business Fluctuations &amp; Economic Stabilization EC 405</td>
</tr>
<tr>
<td>U.S. Economic History EC 417</td>
</tr>
<tr>
<td>Quantitative Methods in Economics EC 421</td>
</tr>
<tr>
<td>Econometrics EC 422</td>
</tr>
</tbody>
</table>

**Course Offerings**

See page 23 for definition of course numbering system
Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. PREREQ: EC 305.

EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)(S). Alternate years. 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. This course may be taken for either EC or HY credit but not both. PREREQ: EC 205, 206 or PERM/INST.

EC 421, 421G QUANTITATIVE METHODS IN ECONOMICS (3-0-3)(F). The first of a two semester sequence in quantitative economic analysis, this course emphasizes the application of mathematics to the construction of economic models. Topics will include equilibrium analysis, input-output analysis, comparative static analysis, optimization techniques, and dynamic analysis. The methodological issues surrounding the use of quantitative techniques in economics are also strongly emphasized. May be taken for graduate credit. PREREQ: M 106 or equivalent and PR 207.

EC 422, 422G ECONOMETRICS (3-0-3)(S). The second of a two semester sequence in quantitative economic analysis. This course emphasizes the application of statistics to the construction, estimation and evaluation of econometric models. Other related topics will include stationary and non-stationary time series, regression and computer applications, and the use of econometrics in business and government. May be taken for graduate credit. PREREQ: M 106 or equivalent, PR 207, and EC 421.

Department of Management
Business Building, Room 313
Telephone (208) 385-1313

Chair and Professor: Nancy K. Napier; Professors: Bigelow, Bixby, Wines, Wilterding; Associate Professors: Glen, Kaupins, Waldor; Assistant Professors: Frommueler, Furh, Gough, Shim.

Degrees Offered
• BBA, BA, and BS in General Business Management
• BBA, BA, and BS in Management, Entrepreneurial Option
• BBA, BA, and BS in Management, Human Resource Management Option

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

The Department of Management offers two majors (General Business Management and Management) and one minor (International Business).

The General Business Management major provides a broad-based curriculum, offering background in a variety of business areas. The major is designed for students who do not wish to specialize in any single area of business.

Emphasis is placed on the development of logical thinking and the use of technical tools directed at recognizing and solving problems which occur in the business community.

A major in General Business Management is appropriate for those who desire to enter management trainee programs offered by business corporations, ranging from the fast food industry to public utilities and financial institutions.

The Management major emphasizes two important management areas.

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

Human Resource Management option curriculum provides a solid foundation for those interested in the human resource management process of a business and the administration and operation of a company's programs as they apply to employees.

The department also offers a minor in International Business for students who will work in companies doing business overseas, as well as those who may manage a multicultural work force. The minor blends courses from three disciplines—business, political science and history—to provide a broad perspective for students operating in a global economy. Students may, for example, eventually work in the import-export field or manage overseas subsidiaries of multinational firms.

Recommended Programs

GENERAL BUSINESS MANAGEMENT MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

1st
2nd

SEM
SEM

English Composition E 101-102
Fundamentals of Speech Comm (AREA II) CM 111
General Psychology (AREA II) P 101
Mathematics (AREA III) M 105-106 or M 111-204
Electives (AREA I)
Electives (AREA III)
Non-Business Electives

Totals
16
17

SOPHOMORE YEAR

Principles Microeconomics (AREA II) EC 205
Principles Macroeconomics (AREA II) EC 206
Intro Financial & Managerial Accounting AC 205-206
Statistical Techniques I, II PR 207-208
Legal Environment of Business GB 202
Non-Business Electives
Free Electives

Totals
16
15

JUNIOR YEAR

Principles of Marketing MK 301
Management & Organizational Theory MG 301
Commercial Law GB 302
Principles of Finance FI 303
Economics Elective EC 303,305,321,322 or 327
Intro Mgmt Information Systems IS 310
Working Capital Management FII 410
Principles of Production Management PR 345
Business Communications AS 328
Business Ethics & Social Responsibility GB 360
Free Electives

Totals
18
16

SENIOR YEAR

Human Resource Management I MG 305
Government and Business GB 441
Organizational Behavior MG 401
Management of Technology MG 405
Employee and Labor Relations MG 340
Marketing Management MK 320
Business Policies GB 450
Non-Business Electives
Free Electives

Totals
15
15

MANAGEMENT MAJOR
ENTREPRENEURIAL OPTION
Bachelor of Business Administration Degree

FRESHMAN YEAR

1st
2nd

SEM
SEM

English Composition E 101-102
Fundamentals of Speech Comm (AREA II) CM 111
General Psychology (AREA II) P 101
Mathematics (AREA III) M 105-106 or M 111-204
Electives (AREA I)
Lab Science Elective (AREA III)
Electives

Totals
16
17

SOPHOMORE YEAR

Principles Microeconomics (AREA II) EC 205
Principles Macroeconomics (AREA II) EC 206
Intro Financial Accounting AC 205
Intro Managerial Accounting AC 206
Statistical Techniques I, II PR 207-208
Legal Environment of Business GB 202
Non-Business Electives
Free Electives
Technical Writing E 202

Totals
16
15

JUNIOR YEAR

Principles of Marketing MK 301
Management & Organizational Theory MG 301
Principles of Finance FI 303
Economics Elective EC 303,305,321,322, or 327
Intro Mgmt Information Systems IS 310

Human Resource Management I MG 305
The International Business Minor will be offered to Business majors who seek more specialized courses in the international arena than are offered currently by the College of Business programs. Non-Business students must also complete requirements for a Business minor to obtain the International Business minor.

**REQUERED COURSES:**
- International Economics EC 317
- International Transportation MG 344
- Intro International Business GB 445
- International Finance FI 430
- International Marketing MK 430
- International Relations PO 231

**SENIOR YEAR**
- New Venture Creation MG 318
- Working Capital Management I FI 410
- Government and Business GB 441
- Marketing Management MK 320
- Small Business & Entrepreneurial Management MG 319
- Organizational Behavior MG 401
- Management of Technology MG 405
- Business Policies GB 450
- Free Electives

**Totsals** 15 16

**MANAGEMENT MAJOR**

**HUMAN RESOURCE MANAGEMENT OPTION**

**Bachelor of Business Administration Degree**

**FRESHMAN YEAR**

**1st SEM**
- English Composition E 101-102
- Fundamentals of Speech Comm CM 111 (AREA II)
- General Psychology P 101 (AREA II)
- Mathematics M 105-106 or M 111-204 (AREA III)
- Electives (AREA I)
- Lab Science Elective (AREA III)

**2nd SEM**
- Principles of Production Management PR
- Human Resource Management I MG 305
- Non-Business Electives

**Totsals** 16 17

**SOPHOMORE YEAR**

**1st SEM**
- Principles Microeconomics EC 205 (AREA II)
- Principles Macroeconomics EC 206 (AREA II)
- Intro Financial Accounting AC 205
- Intro Managerial Accounting AC 206
- Statistical Techniques I PR 207
- Legal Environment of Business GB 202

**2nd SEM**
- Non-Business Electives
- Free Electives

**Totsals** 16 15

**JUNIOR YEAR**

**1st SEM**
- Principles of Marketing MK 301
- Management & Organizational Theory MG 301
- Principles of Finance FI 303
- Labor Economics EC 327 or Intern Macro EC 305
- Intro Management Information Systems
- Bus Ethics & Social Respon GB 360
- Human Resource Management I MG 305
- Employee & Labor Relations MG 340
- Business Communications AS 328

**2nd SEM**
- Free Electives

**Totsals** 18 15

**SENIOR YEAR**

**1st SEM**
- Human Resource Management II MG 406
- Human Resource Law MG 330
- Government and Business GB 441
- Principles of Production Management PR 345
- Organizational Behavior MG 401
- Collective Bargaining MG 415
- Management of Technology MG 405
- Business Policies GB 450

**2nd SEM**
- Non-Business Electives
- Free Electives

**Totsals** 16 15

**INTERNATIONAL BUSINESS MINOR**

The International Business Minor will be offered to Business majors who seek more specialized courses in the international arena than are offered currently by the College of Business programs. Non-Business students must also complete requirements for a Business minor to obtain the International Business minor.

**ONE OF THE FOLLOWING POLITICAL SCIENCE COURSES:**
- Intro Comparative Politics PO 321
- Politics of Industrialized Nations PO 329
- Comp Gov & Politics of Develop Nations PO 333

**ONE OF THE FOLLOWING HISTORY COURSES:**
- History of East Asia HY 316
- History of South Asia HY 329
- Modern Latin America HY 368
- European Diplomatic History HY 423

**TOTAL** 24

**Course Offerings**

See page 23 for definition of course numbering system

**GB GENERAL BUSINESS**

**Lower Division**

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

**GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3).** Emphasis will be on both the 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 indepth 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: Upper Division Business standing and GB 202.

**GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3),** 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. PREREQ: Upper Division Business standing.

**GB 441-441G GOVERNMENT AND BUSINESS (3-0-3),** Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: Upper Division Business standing and GB 202.

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

**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: Upper Division Business standing, senior standing plus FI 303, IS 310, MG 301, MK 301, PR 345 with grades of "C" or higher.

**MG MANAGEMENT**

**Upper Division**

**MG 301 MANAGEMENT AND ORGANIZATIONAL THEORY (3-0-3),** Emphasis on conceptual application of management and organizational theory. Internationally. Topics include organizational environments, decision making, design, technology, leadership, effectiveness, and information and control. PREREQ: Upper Division Business standing.

**MG 305 HUMAN RESOURCE MANAGEMENT I (3-0-3),(F/S),** The functions of human resource management—selection, planning, 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: Upper Division Business standing and MG 301 or PERM/INST.

**MG 318 NEW VENTURE CREATION (3-0-3),** Topics include the legal, financial, marketing, and managerial issues involved in creating a new venture. A major requirement of the course is the completion of a comprehensive business plan describing and analyzing a proposed new venture. PREREQ: Upper Division Business standing and MG 301 or PERM/INST.

**MG 319 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3) (F/S),** This course is a continuation of MG 318 New Venture Creation. 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: Upper Division Business standing and MG 318 or PERM/INST.
MG 330 HUMAN RESOURCE LAW (3-0-3)(F) The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed. PREREQ: Upper Division Business standing.

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

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

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

MG 405 MANAGEMENT OF TECHNOLOGY (3-0-3)(F/S). Study of the business implications of major technological changes, such as computer integrated manufacturing, office automation, and telecommunications. Develops a framework for examining the strategic, structural and socio-technical aspects of managing technological change in organizational settings. PREREQ: Upper Division Business standing and MG 303 or PERMINT.

MG 406 HUMAN RESOURCE MANAGEMENT II (3-0-3)(F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Analysis of specialized topics in human resource selection. Analysis of specialized topics that are currently important in the human resource field. PREREQ: Upper Division Business standing and MG 305 or PERMINT.

MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Special attention is devoted to public sector bargaining. PREREQ: Upper Division Business standing and MG 330, 340, or PERMINT.

Department of Marketing and Finance

Business Building, Room 306 Telephone (208) 385-3356

Chair and Professor: Alan Franklin; Professors: Cornwell, Lincoln, McCain, Naumann, Sitzel; Associate Professors: Barney, Limaye, Ray; Assistant Professors: Maher, Petkus, Schooley, Smith, White.

Degrees Offered

- BBA, BA, and BS in Finance
- BBA, BA, and BS in Marketing

Department Statement

The Department of Marketing and Finance currently serves the needs of approximately 300 undergraduate marketing majors and 230 undergraduate finance majors. Its faculty also teach graduate level courses in the areas of finance and marketing. The department also helps insure that students receive up-to-date knowledge in their chosen field.

The goal of the department is to help prepare graduates who are able to identify opportunities, assess risk relative to returns, and gather the resources necessary to operationalize opportunities. The department also aims to prepare these students so that they understand how to effectively participate in the growth, development, and profitability of selected projects or ventures. Only through this educational approach will tomorrow's new business leaders find success in a world characterized as one of constant and rapid change.

Recommended Programs

FINANCE MAJOR

Bachelor of Business Administration Degree

The finance curriculum is designed with major emphasis in three areas of finance: corporate finance, investment and portfolio management, and financial institutions and markets. Students can select a general program or may concentrate course selection around the broad areas of finance. The course offerings are preparation for financial decision making utilizing accounting and marketing information within a framework of economic theory. A major in the area of finance prepares students to deal with a wide range of financial situations, including those which concern businesses, financial institutions, individuals, and government.

FRESHMAN YEAR

**Electives** 3

**Fund of Speech Communication** CM 111 (Area II) 3

**English Composition** E 101-102 3

**General Psychology** P 101 (Area II) 3

**Mathematics** M 105-106 or M 111-204 (Area III) 4 4

**Core Electives** (Area I) 3 3

**Electives** 3 3

Totals 16 16

Sophomore Year

**Principles of Microeconomics** EC 205 3

**Principles of Macroeconomics** EC 206 3

**Intro to Financial Accounting** AC 205 3

**Intro to Managerial Accounting** AC 206 3

**Statistical Techniques I** PR 207 3

**Legal Environment of Business** GB 202 3

**Statistical Techniques II** PR 208 3

**Physical or Biological Science** Elective (Area III) 4

**Electives** 3 4

Totals 16 16

Junior Year

**Principles of Marketing** MK 301 3

**Management & Organizational Theory** MG 301 3

**Principles of Finance** FI 303 3

**Principles of Production Management** IS 337 3

**Principles of Production Management** PR 345 3

**Business Communication** AS 328 3

**Money and Banking** EC 301 3

**Intermediate Microeconomics** EC 303 3

**Working Capital Management** FI 410 3

**Upper Division Accounting** Course 3

**Electives** 3

Totals 17 17

Senior Year

Management of Financial Institutions FI 420 3

**Investment Management** FI 430 3

**Organizational Behavior** MG 401 3

**Capital Budgeting & Planning** FI 411 3

**Frontiers in Financial Markets** FI 451 3

**Business Policies** GB 450 3

**Decision Processes in Banking** FI 421 3

**Major Elective** 3

**Electives** 3 3

Totals 15 15

*College of Business core courses must be completed with a grade of 'C' or higher before students can be accepted into College of Business upper division courses. Students must make formal application for upper division standing by contacting the Student Services Center in the College of Business (B 203). *Electives: At least 16 hours of electives must be outside the College of Business. The 16 hours must include courses from at least 2 of the 3 areas defined under Graduation Requirements at the front of the catalog. However, selections are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 16 chosen from Areas I, II and III may be business or non-business related. **These courses must be completed with a grade of 'C' or higher before taking Business Policies—GB 450. **Electives: At least 3 credits chosen from upper division finance, accounting or economics. If elective is chosen from upper division accounting, or economics, advisor approval is required and written verification of the approval must be sent to the Graduation Evaluators in the Registrars Office.

To graduate, students must have a minimum of 40 upper division (300/400 level) credit hours and 128 total credit hours.

FINANCE MINOR

Students pursuing a degree from the College of Business at Boise State University may earn a minor in Finance by satisfying the requirements listed below in addition to their major requirements.
REQUIRED COURSES:
- Principles of Finance FI 303 .................................................. 3
- Working Capital Management FI 410 ..................................... 3
- Capital Budgeting and Planning FI 411 ................................... 4
- Investment Management FI 450 ........................................... 3

ELECTIVE COURSES: Any two of the following:
- Appraisal of Real Estate FI 371 .............................................. 3
- Real Estate Investment and Taxation FI 372 ......................... 3
- Real Estate Finance FI 373 .................................................. 3
- Management of Financial Institutions FI 420 ..................... 3
- Decision Processes in Banking FI 421 ................................ 3
- International Finance FI 430 .............................................. 3
- Frontiers in Financial Markets FI 451 ................................. 3
- Appraisal of Income Properties FI 471 ............................... 3

MARKETING MAJOR
Bachelor of Business Administration Degree
The marketing curriculum is designed to provide students with a comprehensive background in marketing while still providing flexibility to adapt to individual and career goals. Therefore, the major requirements allow a student the ability to choose from an array of courses. The course work stresses pragmatic applications of marketing concepts through coordinated programs with the local business community. The marketing program is designed to prepare students for a variety of career positions including industrial sales, advertising, marketing research, and other marketing positions.

FRESHMAN YEAR

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**Intro to Financial Accounting AC 205** .................................................. 3
**Physical or Biological Sciences Elective (Area III)** ......................... 4
**Statistical Techniques I PR 207** ................................................... 3
**Principles of Microeconomics EC 205 (Area II)** ................................. 3
**Legal Environment of Business GB 202** ........................................... 3
**Principals of Macroeconomics EC 206 (Area II)** .................................. 3
**Statistical Techniques II PR 208** .................................................... 3
**Intro to Managerial Accounting AC 206** ......................................... 3
** Electives** ......................................................................................... 6

Total 16 16

SOPHOMORE YEAR

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**Intro to Financial Accounting AC 205** .................................................. 3
**Physical or Biological Sciences Elective (Area III)** ......................... 4
**Statistical Techniques I PR 207** ................................................... 3
**Principles of Microeconomics EC 205 (Area II)** ................................. 3
**Legal Environment of Business GB 202** ........................................... 3
**Principals of Macroeconomics EC 206 (Area II)** .................................. 3
**Statistical Techniques II PR 208** .................................................... 3
**Intro to Managerial Accounting AC 206** ......................................... 3
** Electives** ......................................................................................... 6

Total 16 16

JUNIOR YEAR

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**Principles of Marketing MK 301** .......................................................... 3
**Management & Organizational Theory MG 301** ..................................... 3
**Principles of Finance FI 303** .............................................................. 3
**Intermediate Microeconomics EC 301** .................................................. 3
**Intro to Mgmt Information Systems IS 310** ......................................... 3
**Business Communication AS 328** ...................................................... 3
** Electives** ......................................................................................... 6

Marketing Management MK 320 ................................................................. 3
**Principles of Production Management PR 345** ..................................... 3
** Customer Behavior MK 307** ............................................................... 3

Total 18 15

SENIOR YEAR

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**Organizational Behavior MG 401** .......................................................... 3
** Electives** ......................................................................................... 6
**Marketing Research MK 415** ............................................................... 3
** Business Policies GB 450** ................................................................. 3

Total 17 15

*College of Business core courses must be completed with a grade of "C" or higher before students can be accepted into College of Business upper division courses. Students must make formal application for upper division standing by contacting the Student Services Center in the College of Business (B 203).

**Electives:** At least 16 hours of electives must be outside the College of Business. The 16 hours must include courses from at least 2 of the 3 areas defined under Graduation Requirements at the front of the catalog. However, selection are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 16 chosen from Areas I, II and III may be business or non-business related.

These courses must be completed with a grade of "C" or higher before taking Business Policies-GB 450.

**Marketing majors must take 18 hours of marketing-related electives, of which 9 must be chosen from upper division marketing courses. The remaining courses must be approved by marketing advisors to provide for a personalized emphasis (a maximum of 3 interns credits is allowed in fulfillment of marketing electives).
FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F). The interaction between financial institutions and financial markets are examined, and their roles in the economy are discussed. Emphasis is placed on the changes taking place within the financial community and the effects on financial institutions in general and commercial banking in particular. PREREQ: Upper Division Business standing, FI 303, and EC 301.

FI 421-421G DECISION PROCESSES IN BANKING (3-0-3)(S). The topics included in this course are those which involve the specific decision-making areas faced by participants in the banking industry. These decision areas include the management of liquidity reserves and securities portfolios; consumer, business, and real estate loans; liability control; asset-liability management in banks and international banking. PREREQ: Upper Division Business standing and FI 420.

FI 430 INTERNATIONAL FINANCE (3-0-3)(F). Builds a strong foundation on the relationship among international financial markets. Included is exchange rate determination and parity conditions across countries. Once the foundation is built, the multinational firm is examined in this framework. Included is working capital management, capital budgeting, and cost of capital for the multinational firm. PREREQ: Upper Division Business standing and FI 303.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3)(F). Examines the U.S. Securities markets from both a theoretical and a practical viewpoint. Topics include: mechanics of direct investment, measurement and management of risk and return, the Efficient Market Hypothesis, Modern Portfolio Theory, the Capital Asset Pricing Model, and analysis of investment performance. Class format incorporates lecture and readings and may include guest lecturers. PREREQ: Upper Division Business standing and FI 450.

FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(S). Focuses on both recent and past innovations in the securities markets. Futures contracts and options are stressed. A combination of theory and practice will be sought relying on lecture, text material, and journal and trade articles and may include guest speakers. PREREQ: Upper Division Business standing and FI 450.

FI 471 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F). Focuses on the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. PREREQ: Upper Division Business standing, FI 201 and FI 371.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3)(F/S). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds background developed in the regular curriculum. In addition, a topic in which student participation will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor. PREREQ: Upper Division Business standing.

MK MARKETING

MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Describes the methods 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: Upper Division Business 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: Upper Division Business standing and MK 301.


MK 320 MARKETING MANAGEMENT (3-0-3)(F). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, and implementation and administration marketing programs. Consumer, industrial, institutional, and international markets considered. PREREQ: Upper Division Business standing and MK 301.

MK 340 SERVICES MARKETING (3-0-3)(F). Examines the problems and strategies used in services marketing. Methods of evaluating quality in service development and delivery will be analyzed. Design and implementation of the services marketing mix will be studied through discussion, readings, and selected case analyses.

MK 415-415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for marketing decisions. Provides experience in planning, designing, and implementing research activities. PREREQ: Upper Division Business standing, PR 208, and MK 301.

MK 416 APPLIED MARKETING RESEARCH (3-0-3)(F). An application of research concepts through the design, implementation, and completion of an actual research project. Advanced discussion of research design and statistical analysis will be conducted. PREREQ: Upper Division Business standing and MK 415.

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


MK 430 INTERNATIONAL MARKETING (3-0-3)(F/S). An analysis of the creation, planning, and implementation of marketing strategies that cross national and cultural borders. PREREQ: Upper Division Business standing and MK 301.

MK 440 INDUSTRIAL MARKETING (3-0-3)(F). An analysis of activities related to the marketing of products and services to organizations including government agencies, profit and non-profit institutions, and commercial enterprises. PREREQ: Upper Division Business standing and MK 301.

MK 498 SEMINAR IN CONTEMPORARY TOPICS IN MARKETING. Provides an opportunity for the study of topics of current interest in marketing. The topics will be selected based upon the interests of students and expertise of faculty. PREREQ: Upper Division Business standing.