Approval of the Dean and Department Chairman upon recommendation of the faculty advisor.

293-493 Internship—Variable credits
The Internship number is available to academic departments to provide an opportunity for supervised "field-work" that is specifically related to the student's major field of study.

294-494 Conference or Workshop—0-4 credits
Conducted by outstanding leaders or qualified faculty in a particular field under the auspices of Boise State College.

297 Special Topics—1-4 credits
A student may apply a maximum of 12 credits of Special Topics (both 297 and 497) toward graduation.

496 Independent Study—1-4 credits
Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year. Prerequisite: consent of instructor and department chairman.

497 Special Topics—2-4 credits
May be repeated for a maximum of 12 credits—297 plus 497. Prerequisite: advanced standing and consent of instructor and department chairman.

498, 499 Senior Seminar—1-2 credits maximum
Prerequisite: senior standing in a major area.

GRADUATE

The following numbers may be used by any department, with variable credit, to offer credits for the type of activity indicated in the titles and explanatory notes. Limits on the amount of credits of any one type (i.e., any one number category) which may be applied on a given degree will be set by the graduate council. His supervising professor or committee will determine for any one student those credits of the standardized type which may apply to his individual program.

580-589 Selected Topics
The intention is that the subjects normally offered and studied in any one department will be divided into no more than 10 areas. One of the numbers 580 and 589 will theretofore be assigned a given area on a permanent basis. The topics considered in the courses in any one area will generally vary from semester to semester, but repeated use of any one number will always imply that the topics continue to be selected from just one area.

590 Practicum
591 Research
592 Colloquium
593 Thesis
594 Extended Conference or Workshop (Graded A through F)
595 Reading and Conference
596 Independent Study

Master's programs at Boise State College may include independent study credits, at the discretion of the graduate student's supervising committee or professor, through a limit of (9) semester hours, with no more than (6) credits in any one semester or session.

597 Special Topics
598 Seminar
599 Short Term Conference or Workshop (Graded Pass or Fail)

Generally, the 599 number is used only for courses meeting 3 weeks or less, and 594 for courses meeting more than 3 weeks. The decision, however, is made in all cases by the department or school making the schedule.

INTERDISCIPLINARY COURSES

The following interdisciplinary courses are identified with more than one school or department.

HP 198, 298, 398, 498 Honors Seminar—1 credit
A seminar involving inter-disciplinary lectures and discussion for Honors Students. Topics are selected by the students. Credit or no credit will be given rather than letter grades.

HP 100, 200, 300, 400 Summer Readings—1-3 credits
An opportunity and incentive for students to continue their studies during the summer when they are away from campus and faculty. Students must select their area of interest, contact a faculty supervisor, and coordinate through the Honors Program Director concerning testing and credit for the work prior to the end of spring semester. Students will register during fall registration and will complete written and oral testing as required not later than October 15 in order to receive credit or no credit.

SG 188, 496 Student Government Independent Study—1-3 Credits
Students who are currently serving in major student government offices may avail themselves of Independent Study in Student Government. This study will be coordinated by the Vice President for Student Affairs and may be taken in any department of the college provided an instructor is willing to direct the study. Students who are eligible for this study are (1) the Major elected Officers. (President, Vice-President, Treasurer), (2) Major Appointed Officers, (Business Manager, Publicity Director, Administrative Assistant to the President, and Personnel Officer), and (3) Senators. Credits may not exceed three in any one semester or six in one academic year. A maximum of nine credits will be accepted towards graduation.

GE 497, 597 Special Topics in General Education—Variable credits

GS 501 History of Science—1800 to Present For Elementary Teachers—3 credits
(Course description Part VII of catalog)
The School of Arts and Sciences believes that the purpose of men's lives is to know, to search, and to achieve, and that knowledge is necessary to the good life of free men. The School provides an opportunity for each student to share in the accumulated experience of men of all times and places, hoping not only to lead each student to basic knowledge of the matter traditional to the School's major divisions of study, but also to stimulate students to exercise their own powers to range beyond the known — to dream a better possible human condition and devise ways of moving toward it.

To this end we hope to encourage students to be curious and wisely skeptical, learning that inquiry and intelligent doubt are often the first steps toward creation, achievement, and a fuller understanding of their own nature and potential.

Objectives

1. To offer programs of study leading to a baccalaureate degree in the Arts — Advertising Design, Art, Communication, English, History, Music, Political Science, Social Science, Social Work, Sociology, Theater Arts, and in the Sciences — Biology, Chemistry, Earth Science, Geology, Mathematics. Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), and Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition).

2. To offer undergraduate programs in Engineering, Physics, Home Economics, Forestry, and Wildlife Management.

3. To offer elective and service courses for students majoring in other schools.

Activities

The Cold-drill

The Department of English, in addition to offering a chance for students to improve their creative, literary skills by studying under producing authors in classes aimed to increase the student's critical and creative abilities, publishes each year a magazine designed to display the best efforts of both the faculty and student body of Boise State College.

Western Writers Series

The Boise State College Western Writers Series is publishing a booklet introducing students and teachers to the character of the work of western American writers. Written by scholars from various colleges and universities, each pamphlet offers a brief account of an author's life, salient features of his works (stressing their regional aspects) and a bibliography listing valuable primary and secondary sources. This series provides the first real attempt to make important regional writers known to the country at large.

Brisas

The Department of Foreign Languages, with the cooperation of the Spanish Club members and departmental students and faculty, publishes each year a Spanish-English magazine focusing on various social and educational areas of Hispanoamerica.

Performances, Exhibitions, Workshops

Membership in the various groups and organizations engaged in extracurricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements. Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive intramural and inter-collegiate offerings of the Department of Communication including Debate, Reader's Theatre, and productions of plays from both the classical and modern repertoires in the college's unique Subal theatre; and through the medium of student recitals, organizations, and ensembles of the Department of Music including Band, Orchestra, Choir, and Musical Theatre and Opera. Students may also join in an "American Historical Tours" presented by the college each year, as well as science fairs, environmental workshops, etc.
# REQUIREMENTS FOR ART MAJOR

## Bachelor of Arts Degree

### General Art, Art Education, Advertising Design

1. **General Art-Bachelor of Arts Program**
   - **General College and Basic Core Requirements**
   - **Art Major Requirements**
     - Painting: 14
     - Drawing: 8
     - Design: 4
     - Art History: 6
     - Ceramics: 3
     - Sculpture: 3
     - Printmaking: 3
     - Crafts: 3
     - Senior Seminar: 2
   - **Electives**: 34

2. **Art Education-Bachelor of Arts Program**
   - **General College and Basic Core Requirements**
   - **Art Major Requirements**
     - Painting: 14
     - Watercolor: 2
     - Drawing: 6
     - Design: 4
     - Art History: 6
     - Ceramics: 3
     - Sculpture: 3
     - Printmaking: 3
     - Crafts: 3
     - Lettering: 2
     - Senior Seminar: 2
   - **Education Requirements for State Certification**
     - Audio-Visual Aids: 2
     - Foundations of Education: 3
     - Secondary School Methods: 3
     - Educational Psychology: 3
     - Art Methods in Secondary Schools: 3
     - Secondary Student Teaching: 6
   - **Electives**: 12

3. **Advertising Design — Bachelor of Arts Program**
   - **General College and Basic Core Requirements**
   - **Art Major Requirements**
     - Advertising Design: 10
     - Painting: 6
     - Drawing: 6
     - Watercolor: 2
     - Advertising Illustration: 4
     - Design: 4
     - Lettering and Layout: 4
     - Art History: 6
     - Printmaking: 3
     - Creative Photography: 2
     - Senior Seminar: 2
   - **Electives**: 31

## Bachelor of Fine Arts Degree

### Drawing and Painting Emphasis

1. **General College and Core Requirements**
2. **Art Major Requirements**
   - Painting: 14
   - Drawing: 8
   - Art History: 4
   - Watercolor: 4
   - Design: 4
   - Printmaking: 3
   - Sculpture: 3
   - Ceramics: 3
   - Crafts: 3
   - Senior Seminar: 2
   - Art Electives: 6

3. **Professional Electives**: 28

### Sculpture Ceramics and Artisanry Emphasis

1. **General College and Core Requirements**
2. **Art Major Requirements**
   - Sculpture: 12
   - Ceramics: 12
   - Art History: 9
   - Metals and Crafts: 10
   - Drawing: 8
   - Design: 4
   - Lettering: 2
   - Senior Seminar: 2
   - Art Electives: 3
   - Painting: 8

3. **Professional Electives**: 25

## Advertising Design — Bachelor of Arts Program

1. **General College and Core Requirements**
2. **Art Major Requirements**
   - Advertising Design: 10
   - Painting: 6
   - Drawing: 6
   - Watercolor: 2
   - Advertising Illustration: 4
   - Design: 4
   - Lettering and Layout: 4
   - Art History: 6
   - Printmaking: 3
   - Creative Photography: 2
   - Senior Seminar: 2
3. **Electives**: 31

## Art Education — Bachelor of Fine Arts Degree

### Drawing and Painting Emphasis

1. **General College and Core Requirements**
2. **Art Major Requirements**
   - The art major requirements for the art education option are the same as those for the general art option in both areas of emphasis.
3. **Education Requirements for State Certification**
   - Secondary Art Methods: 20
   - Including Secondary Art Methods
     - Audio-Visual Aids: 2
     - Foundations of Education: 3
     - Secondary School Methods: 3
     - Educational Psychology: 3
     - Art Methods in the Secondary Schools: 3
     - Secondary Student Teaching: 6
   - **Professional Electives**: 8

## Recommended Professional Electives

- In the Drawing and painting emphasis: Upper Division Literature, Introduction to Philosophy, Ethics, Foreign Language, Upper Division History.

**II.** General Art — Bachelor of Fine Arts Degree — Sculpture Ceramics and Artisanry Emphasis

1. **General College and Core Requirements**
2. **Art Major Requirements**
   - Sculpture: 12
   - Ceramics: 12
   - Art History: 9
   - Metals and Crafts: 10
   - Drawing: 8
   - Design: 4
   - Lettering: 2
   - Senior Seminar: 2
   - Art Electives: 3
   - Painting: 8

3. **Professional Electives**: 25

**III.** Art Education — Bachelor of Fine Arts Degree — Drawing and Painting Emphasis

1. **General College and Core Requirements**
2. **Art Major Requirements**
3. **Education Requirements for State Certification**
   - Including Secondary Art Methods
     - Secondary Art Methods: 20
     - Audio-Visual Aids: 2
     - Foundations of Education: 3
     - Secondary School Methods: 3
     - Educational Psychology: 3
     - Art Methods in the Secondary Schools: 3
     - Secondary Student Teaching: 6
4. **Professional Electives**: 8
SCHOOL OF ARTS & SCIENCES  
Department of Art

IV. Advertising Design — Bachelor of Fine Arts Degree  
— Advertising Design Emphasis
1. General College and Core Requirements .... *
2. Art Major Requirements 67
   Advertising Design 10
   Painting 8
   Drawing 8
   Watercolor 4
   Design 4
   Sculpture, Ceramics or Crafts 6
   Lettering and Layout 4
   Art History 6
   Creative Photo 2
   Printmaking 3
   Art Electives 6
   Advertising Illustration 4
   Senior Seminar 2
3. Professional Electives 26


*For general college and basic college requirements see pages 30-32

**ART MAJOR**

Lower Division — All Degrees
(Suggested Program)

I. General Art

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Design</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Elementary Drawing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Elementary Painting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Art History</td>
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<td>3</td>
</tr>
<tr>
<td>Lettering</td>
<td>(2)</td>
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<tr>
<td>Lettering and Layout</td>
<td>0</td>
<td>(2)</td>
</tr>
<tr>
<td>English Composition</td>
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<td>3</td>
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<tr>
<td>History (Area II)</td>
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<tr>
<td>Elective</td>
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<td>3</td>
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</table>

15-17 15-17

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Intermediate Drawing</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Intermediate Painting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Introduction to Music or Drama</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science or Mathematics (Area III Sequence)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

II. Art Education

Freshman year (see General Art Freshman Year)

Sophomore Year |
<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermediate Drawing</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Intermediate Painting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Introduction to Music or Drama</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science or Mathematics (Area III Sequence)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

III. Advertising Design

Freshman year (see General Art Freshman year)

Sophomore Year |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermediate Drawing</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Intermediate Painting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Advertising Design</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Music or Drama</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Social Science</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science or Mathematics</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

*Advertising Design Majors Only.
### COURSE OFFERINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 100</td>
<td>Basic Drawing and Painting for Non-Art Majors</td>
<td>2</td>
<td>A 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. Four studio hours per week. Either semester.</td>
</tr>
<tr>
<td>AR 101</td>
<td>Art History</td>
<td>3</td>
<td>A historical survey of painting, sculpture and architecture from Prehistoric art to art of the Renaissance. Fall semester.</td>
</tr>
<tr>
<td>AR 102</td>
<td>Art History</td>
<td>3</td>
<td>A historical survey of painting, sculpture and architecture from the Renaissance to the present. Spring semester.</td>
</tr>
<tr>
<td>AR 103</td>
<td>Introduction to Art</td>
<td>3</td>
<td>A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms. Either semester.</td>
</tr>
<tr>
<td>AR 105</td>
<td>Basic Design</td>
<td>2</td>
<td>A two-dimensional theoretical and applied study of the structural organization underlying painting, commercial and industrial art, and interior decorating. Scientific and aesthetic investigation of color are included. Four studio hours per week. (Limited enrollment 2nd semester.) Either semester.</td>
</tr>
<tr>
<td>AR 106</td>
<td>Basic Design</td>
<td>2</td>
<td>Theoretical and applied study of the structural organization underlying three dimensional art forms such as sculpture, architecture and ceramics. Four studio hours per week. Advisable to take AR 105 prior to AR 106. Spring semester.</td>
</tr>
<tr>
<td>AR 107</td>
<td>Lettering</td>
<td>2</td>
<td>A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout. Four studio hours per week. Either semester.</td>
</tr>
<tr>
<td>AR 108</td>
<td>Lettering and Layout</td>
<td>2</td>
<td>A study of lettering techniques used in advertising design, for advertising design majors. Four studio hours per week. Advisable to take AR 107 prior to AR 108. Spring semester.</td>
</tr>
<tr>
<td>AR 109</td>
<td>Introduction to Design</td>
<td>3</td>
<td>An introduction to the human figure. Four studio hours per week. Advisable to take AR 111 prior to AR 112. Spring semester.</td>
</tr>
<tr>
<td>AR 110</td>
<td>Drawing</td>
<td>2</td>
<td>Applied study of perspective, form, light and shade, and composition. Four studio hours per week. Limited enrollment second semester. Either semester.</td>
</tr>
<tr>
<td>AR 111</td>
<td>Drawing</td>
<td>2</td>
<td>Introduction to the human figure. Four studio hours per week. Advisable to take AR 111 prior to AR 112. Spring semester.</td>
</tr>
<tr>
<td>AR 112</td>
<td>Drawing</td>
<td>2</td>
<td>Introduction to the human figure. Four studio hours per week. Advisable to take AR 111 prior to AR 112. Spring semester.</td>
</tr>
<tr>
<td>AR 113</td>
<td>Painting</td>
<td>2</td>
<td>Emphasis on the techniques of opaque and transparent water base media. Four studio hours per week. Advisable to take AR 113 prior to AR 114. Spring semester.</td>
</tr>
<tr>
<td>AR 114</td>
<td>Painting</td>
<td>2</td>
<td>Emphasis on the techniques of opaque and transparent water base media. Four studio hours per week. Advisable to take AR 113 prior to AR 114. Spring semester.</td>
</tr>
<tr>
<td>AR 115</td>
<td>Landscape Painting</td>
<td>3</td>
<td>Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. Six studio hours per week (semester basis). First summer session.</td>
</tr>
<tr>
<td>AR 116</td>
<td>Landscape Painting</td>
<td>3</td>
<td>(Description same as 115 above.) Second summer session.</td>
</tr>
<tr>
<td>AR 121</td>
<td>Crafts</td>
<td>2</td>
<td>A creative exploration in design and construction problems. Various materials will be utilized, with primary emphasis on jewelry design and metals. Craftsmanship, and the care and usage of tools will be stressed. Four studio hours per week. Advisable to take AR 105 &amp; 106 prior to AR 221. Fall semester.</td>
</tr>
<tr>
<td>AR 122</td>
<td>Crafts</td>
<td>2</td>
<td>Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. Four studio hours per week. Advisable to take AR 105 &amp; 106 &amp; 221 prior to AR 222. Spring semester.</td>
</tr>
<tr>
<td>AR 131</td>
<td>Interior Decorating</td>
<td>2</td>
<td>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. Two hours lecture, one-half-hour demonstration per week. Either semester.</td>
</tr>
<tr>
<td>AR 141</td>
<td>Photography Theory</td>
<td>1</td>
<td>Introduction to simple problems in the photographic process. Evening program only. Two hours per week. Either semester.</td>
</tr>
<tr>
<td>AR 143</td>
<td>Photography Laboratory</td>
<td>1</td>
<td>Actual work in taking, developing and printing pictures, both for technical development and creative growth. Evening program only. Two hours per week. Either semester.</td>
</tr>
<tr>
<td>AR 203</td>
<td>Advertising Design</td>
<td>2</td>
<td>Special assignments in various techniques employed in advertising and commercial art; problems in layout, typography, and reproduction processes will be emphasized. Four studio hours per week. Advisable to take AR 105, AR 106, AR 107 and AR 108 prior to AR 203. Fall semester.</td>
</tr>
<tr>
<td>AR 204</td>
<td>Advertising Design</td>
<td>2</td>
<td>Advanced assignments in various techniques employed in advertising and commercial art. Four studio hours per week. Advisable to take AR 203 prior to AR 204. Spring semester.</td>
</tr>
<tr>
<td>AR 211</td>
<td>Drawing</td>
<td>2</td>
<td>Anatomical rendering and analysis of the drawing in relation to creative composition. Four studio hours per week. Advisable to take AR 111 and AR 112 prior to AR 211. Fall semester.</td>
</tr>
<tr>
<td>AR 212</td>
<td>Drawing</td>
<td>2</td>
<td>Drawing in various media from the human figure. Four hours studio per week. Advisable to take AR 211 prior to AR 212. Spring Semester.</td>
</tr>
<tr>
<td>AR 215</td>
<td>Painting</td>
<td>2</td>
<td>Painting in oil with emphasis on various techniques and subject matter. Four hours studio per week. Advisable to take AR 113 and AR 114 prior to AR 215. Fall semester.</td>
</tr>
<tr>
<td>AR 216</td>
<td>Painting</td>
<td>2</td>
<td>Creative work in oils and related media. Four studio hours per week. Advisable to take AR 215 prior to AR 216. Spring semester.</td>
</tr>
<tr>
<td>AR 217</td>
<td>Painting-Watercolor</td>
<td>2</td>
<td>Major emphasis will be in the use of transparent watercolor. Work will be outdoors from nature as well as studio work. Four studio hours per week. Fall semester.</td>
</tr>
<tr>
<td>AR 218</td>
<td>Painting-Watercolor</td>
<td>2</td>
<td>Introduction to experimental techniques in the use of opaque water base media. Work will be outdoors from nature as well as studio work. Four studio hours per week. Advisable to take AR 217 prior to AR 218. Spring semester.</td>
</tr>
<tr>
<td>AR 221</td>
<td>Crafts</td>
<td>2</td>
<td>A creative exploration in design and construction problems. Various materials will be utilized, with primary emphasis on jewelry design and metals. Craftsmanship, and the care and usage of tools will be stressed. Four studio hours per week. Advisable to take AR 105 &amp; 106 prior to AR 221. Fall semester.</td>
</tr>
<tr>
<td>AR 222</td>
<td>Crafts</td>
<td>2</td>
<td>Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. Four studio hours per week. Advisable to take AR 105 &amp; 106 &amp; 221 prior to AR 222. Spring semester.</td>
</tr>
</tbody>
</table>
225 Ceramics — 3 credits
An introduction to ceramics technique and materials. Molding, hand building, decoration, glazing, and firing will be given. Enrollment is limited. Six studio hours per week. Advisable to take AR 105 and AR 106 prior to AR 225. Fall semester.

226 Ceramics — 3 credits
Beginning the use of the potter's wheel, molding, hand building, decoration, glazing and firing. Limited enrollment. Six studio hours per week. Advisable to take AR 225 prior to AR 226. Spring semester.

231 Sculpture — 3 credits
Work in a variety of three-dimensional materials, with emphasis on the techniques of carving, modeling, casting and constructing. Six studio hours per week. Advisable to take AR 105 or AR 106 prior to AR 231. Fall semester.

232 Sculpture — 3 credits
Continued work in a variety of three-dimensional materials, with emphasis on the techniques of carving, modeling and casting. Six studio hours per week. Advisable to take AR 231 or 232. Spring semester.

251 Introduction to Creative Photography — 2 credits
An aesthetic approach to the basic photographic skills of camera operation, film development, and enlarging of negatives. All work is in black and white. Two hours lecture and two hours laboratory work per week. Adjustable camera required. Either semester.

Upper Division

300 Contemporary American Art History — 3 credits
A survey of the major artistic trends of the 20th century that lead to the assumption of leadership in the visual arts by the United States. Beginning with the Armory Show, 1913, to the 1960's. Advisable to take AR 101-102 prior to AR 300. Fall semester.

301 Nineteenth Century Art History — 3 credits
An in-depth study of important artists and movements in Europe and the United States; from neoclassicism in France to social commentary in America. Fall semester.

302 Twentieth Century Art History — 3 credits
An in-depth study of important artists and movements in Europe, Mexico and the United States; from Fauvism in France to trends in contemporary American art. Spring semester.

303 Advertising Design — 3 credits
Design and preparation of art for reproduction, techniques and studio practices. 6 studio hours per week. Advisable to take AR 203 and 204 prior to AR 303. Fall semester.

304 Advertising Design — 3 credits
Design and preparation of art for reproduction, techniques and studio practices. 6 studio hours per week. Advisable to take AR 303 prior to AR 304. Spring semester.

305 Visual Design — 3 credits
Advanced exploration of two-dimensional and three-dimensional design, continuing with problems in line, form, color, texture, and space. 6 studio hours per week. Advisable to take AR 105 and 106 prior to AR 305. Fall semester.

306 Visual Design — 3 credits
Advanced exploration of two-dimensional and three-dimensional design, continuing with problems in line, form, color, texture, and space. 6 studio hours per week. Advisable to take AR 305 prior to AR 306. Spring semester.

307 Metalsmithing — 3 credits
Advanced study in materials of jewelrymaking and metalsmithing with special emphasis on forging, stone setting, cutting, and mechanical techniques as further personal development of craftsmanship. Prerequisite: Advisable to take AR 221, 222. Six studio hours per week. Fall semester.

308 Metalsmithing — 3 credits
Continued study in materials and methods of jewelrymaking and metalsmithing with an intensive emphasis on studies in areas of individual interest. Prerequisite: Advisable to take AR 221, 222, 307. Six studio hours per week. Spring semester.

309 Introduction to Printmaking — 3 credits
Introduction to the processes of woodcut, lithography and etching. Advisable to take AR 105-106, AR 111-112, prior to AR 309. Fall semester.

310 Printmaking — 3 credits
Further concentration in two of the following four areas: woodcut, lithography, etching, serigraphy. Six studio hours per week. Advisable to take AR 309 prior to AR 310. Spring semester.

311 Drawing — 3 credits
Advanced life drawing in various media. Six studio hours per week. Advisable to take AR 111, AR 112, AR 211, AR 212 prior to AR 311. Fall semester.

312 Drawing — 3 credits
Advanced life drawing in various media, with emphasis on personal creative approaches. Six studio hours per week. Advisable to take 311 prior to AR 312. Spring semester.

315 Painting — 3 credits
Creative work in representational or non-representational areas in oil and related media. Six studio hours per week. Advisable to take AR 113-114, AR 215-216 prior to AR 315. Fall semester.

316 Painting — 3 credits
Continued study in representational or non-representational areas in oil and related media. Six studio hours per week. Advisable to take AR 315 prior to AR 316. Spring semester.

317 Painting Watercolor — 3 credits
Advanced work in opaque and transparent media with emphasis on experimental techniques. Six studio hours per week. Advisable to take AR 217 and AR 218 prior to AR 317. Fall semester.

318 Painting Watercolor — 3 credits
Advanced work in opaque and transparent media with emphasis on experimental techniques. Six studio hours per week. Advisable to take AR 317 prior to AR 318. Spring semester.

321 Elementary School Art Methods — 3 credits
For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed. Two lecture and four studio hours per week. Either semester.

325 Ceramics — 3 credits
Advanced study in the materials of ceramics, with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Six studio hours per week. Advisable to take AR 225 and 226 prior to AR 325. Individual instruction will be given. Fall semester.

326 Ceramics — 3 credits
Advanced study in the materials of ceramics, with emphasis on personal, creative approaches. Six studio hours per week. Advisable to take AR 325 prior to AR 326. Individual instruction will be given. Spring semester.
331 Sculpture — 3 credits
Advanced study in the material and methods of the sculptor with emphasis upon welded steel and metal casting. Six studio hours per week. Advisable to take AR 231 and AR 232 prior to AR 331. Fall semester.

332 Sculpture — 3 credits
Advanced study in the material and methods of the sculptor with emphasis in personal creative approaches. Six studio hours per week. Advisable to take AR 331 prior to AR 332. Spring semester.

341 Creative Photography — 3 credits
Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Two hour lecture and four studio hours per week. Adjustable camera required. Advisable to take AR 251 prior to 341. Fall semester.

342 Creative Photography — 3 credits
Advanced study of photographic techniques with emphasis on personal creative approaches. Two hour lecture and four studio hours per week. Adjustable camera required. Advisable to take AR 341 prior to AR 342.

351 Secondary School Art Methods — 3 credits
Art education on the junior high school and senior high school levels. Three hours lecture per week. Each semester.

361-362 Advertising Illustration — 2 credits
Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Four studio hours per week. Prerequisite: AR 203-204. Each semester.

409 Printmaking — 3 credits
Concentrated work in one of the following areas: Woodcut and wood engraving, etching and metal engraving, black and white and color lithography, collograph. Six hours studio per week. Advisable to take AR 309 and AR 310 prior to AR 409. Each semester.

411, 412 Life Drawing — 2 credits
An advanced life drawing class with emphasis on a classical anatomical study of the human figure. Four studio hours per week. Prerequisite: AR 111, 112, AR 211 and consent of instructor. Either semester.

415 Painting — 3 credits
Preparation for graduate study in opaque or transparent media. Six studio hours per week. Advisable to take AR 316 prior to AR 415. Fall semester.

416 Painting — 3 credits
Continued preparation for graduate study in opaque or transparent media. Six studio hours per week. Advisable to take AR 415 prior to AR 416. Spring semester.

417 Painting-Watercolor — 3 credits
Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 417. Fall semester.

418 Painting-Watercolor — 3 credits
Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 431. Fall semester.

419 Metals — 3 credits
Continued study in materials and methods (advanced) of jewelry-making and metalsmithing as they apply to the creative artist and teacher. Prerequisite: Advisable to take AR 221, 222, 307, 308. Fall semester.

420 Metals — 3 credits
Continued study in materials and methods (advanced) of jewelry-making and metalsmithing as they apply to the creative artist and teacher. Prerequisite: Advisable to take AR 221, 222, 307, 307, and 419. Spring semester.

425 Ceramics — 3 credits
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. Six studio hours per week. Advisable to take AR 325 and AR 326 prior to AR 425. Individual instruction will be given. Fall semester.

426 Ceramics — 3 credits
Continued study in the materials of ceramics, with emphasis on the personal, creative approaches. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 426. Individual instruction will be given. Spring semester.

431 Sculpture — 3 credits
Continued study in the material and methods of the sculptor with emphasis on welded steel and metal casting. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 431. Fall semester.

432 Sculpture — 3 credits
Continued study in the material and methods of the sculptor, with emphasis in personal creative approaches. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 432. Spring semester.

498 Senior Seminar — 2 credits
Required reading, and written and oral reports, relative to the senior art majors' area of interest within the visual arts. Each semester.
II. SECONDARY EDUCATION OPTION

1. General College and Baccalaureate Degree Requirements see pages 30-33.

2. Major Requirements:
   A. Biology
   The same as for Biology Major except that the student will take one course from Biology Area 6 above.
   B. Chemistry
   The same as for a Biology Major
   C. Mathematics 115-116

3. Recommended Electives
   The same as for a Biology Major

4. Education Requirements
   Foundations of Education
   Educational Psychology
   Secondary School Methods
   Secondary Student Teaching
   Education Electives

RELATED PROGRAMS

The following programs that have been developed by and presented through the Biology Department are now offered through the School of Health Sciences. Refer to Part VI of the catalog for full information.

Medical Technology
Pre-Dental Hygiene
Pre-Dental, Pre-Medical Studies
Environmental Health

BIOLOGY MAJOR

Bachelor of Science (Suggested Program)

FRESHMAN YEAR:

1. English Composition ....................................... 3
2. General Chemistry ......................................... 5
3. Mathematics ............................................... 5
4. Area I Electives .......................................... 3

SOPHOMORE YEAR:

1. Advanced General Biology .............................. 5
2. Elementary Organic Chemistry ......................... 5
3. Area I Electives .......................................... 3
4. Area II Electives ........................................ 3
5. Unspecified Electives .................................... 3

JUNIOR YEAR:

1. Biology Electives ......................................... 10
2. Other Electives .......................................... 6

SENIOR YEAR:

1. Biology Seminar .......................................... 1
2. Biology Electives ......................................... 7
3. Other Electives .......................................... 7

REQUIREMENTS FOR BIOLOGY MAJOR

I. BACHELOR OF SCIENCE OPTION

1. General College and Baccalaureate Degree Requirements see pages 30-33.

2. Major Requirements:
   CREDITS
   A. Biology .................................................. 45
   1. Advanced General Biology ............................ 10
   2. Biology—any two courses ............................. 6-9
      Bacteriology ........................................... 5
      Ecology ................................................. 3 or 4
      Evolution ............................................... 3
      Genetics ............................................... 3 or 4
   3. Physiology—one course ................................ 4
      Plant Physiology ...................................... 4
      Mammalian Physiology ................................ 4
   4. Invertebrate Zoology—one course .................... 4
      Entomology ............................................. 4
      Invertebrate Zoology ................................ 4
   5. Natural History—two courses ......................... 8
      Systematic Botany ..................................... 4
      Vertebrate Natural History ........................... 4
   6. Morphology—two courses, plant and animal ........ 7-8
      Comparative Anatomy .................................. 4
      Plant Anatomy ......................................... 3
      Plant Morphology ...................................... 4
      Vertebrate Histology .................................. 4
      Vertebrate Embryology ................................ 4
   7. Biology Seminar—1 semester ........................... 1
   8. Biology electives to total 45 credits
      Any of the above courses or
      Cytology, Mammalogy, Micro
      technique, Ornithology, Parasitology or Ichthyology.
   B. Chemistry ............................................. 16
   1. General Chemistry .................................... 10
   2. Elementary Organic Chemistry ....................... 6
   C. Mathematics .......................................... 10
   1. Mathematics 115-116 ................................ 10
   3. Recommended Electives ............................... 25
      1. Introduction to Biophysics .........................
      2. Earth Sciences ....................................
      3. Chemistry ........................................
      4. Area I & II Electives ..............................

REQUIREMENTS FOR BIOLOGY MAJOR

II. SECONDARY EDUCATION OPTION

1. General College and Baccalaureate Degree Requirements see pages 30-33.

2. Major Requirements:
   A. Biology
   The same as for Biology Major except that the student will take one course from Biology Area 6 above.
   B. Chemistry
   The same as for a Biology Major
   C. Mathematics 115-116

3. Recommended Electives
   The same as for a Biology Major

4. Education Requirements
   Foundations of Education
   Educational Psychology
   Secondary School Methods
   Secondary Student Teaching
   Education Electives

RELATED PROGRAMS

The following programs that have been developed by and presented through the Biology Department are now offered through the School of Health Sciences. Refer to Part VI of the catalog for full information.

Medical Technology
Pre-Dental Hygiene
Pre-Dental, Pre-Medical Studies
Environmental Health

BIOLOGY MAJOR

Bachelor of Science (Suggested Program)

FRESHMAN YEAR:

1. English Composition ....................................... 3
2. General Chemistry ......................................... 5
3. Mathematics ............................................... 5
4. Area I Electives .......................................... 3

SOPHOMORE YEAR:

1. Advanced General Biology .............................. 5
2. Elementary Organic Chemistry ......................... 5
3. Area I Electives .......................................... 3
4. Area II Electives ........................................ 3
5. Unspecified Electives .................................... 3

JUNIOR YEAR:

1. Biology Electives ......................................... 10
2. Other Electives .......................................... 6

SENIOR YEAR:

1. Biology Seminar .......................................... 1
2. Biology Electives ......................................... 7
3. Other Electives .......................................... 7

REQUIREMENTS FOR BIOLOGY MAJOR

I. BACHELOR OF SCIENCE OPTION

1. General College and Baccalaureate Degree Requirements see pages 30-33.

2. Major Requirements:
   CREDITS
   A. Biology .................................................. 45
   1. Advanced General Biology ............................ 10
   2. Biology—any two courses ............................. 6-9
      Bacteriology ........................................... 5
      Ecology ................................................. 3 or 4
      Evolution ............................................... 3
      Genetics ............................................... 3 or 4
   3. Physiology—one course ................................ 4
      Plant Physiology ...................................... 4
      Mammalian Physiology ................................ 4
   4. Invertebrate Zoology—one course .................... 4
      Entomology ............................................. 4
      Invertebrate Zoology ................................ 4
   5. Natural History—two courses ......................... 8
      Systematic Botany ..................................... 4
      Vertebrate Natural History ........................... 4
   6. Morphology—two courses, plant and animal ........ 7-8
      Comparative Anatomy .................................. 4
      Plant Anatomy ......................................... 3
      Plant Morphology ...................................... 4
      Vertebrate Histology .................................. 4
      Vertebrate Embryology ................................ 4
   7. Biology Seminar—1 semester ........................... 1
   8. Biology electives to total 45 credits
      Any of the above courses or
      Cytology, Mammalogy, Micro
      technique, Ornithology, Parasitology or Ichthyology.
   B. Chemistry ............................................. 16
   1. General Chemistry .................................... 10
   2. Elementary Organic Chemistry ....................... 6
   C. Mathematics .......................................... 10
   1. Mathematics 115-116 ................................ 10
   3. Recommended Electives ............................... 25
      1. Introduction to Biophysics .........................
      2. Earth Sciences ....................................
      3. Chemistry ........................................
      4. Area I & II Electives ..............................

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## BIOLOGY MAJOR

### SECONDARY EDUCATION OPTION

Bachelor of Science

(Suggested Program)

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## FORESTRY AND WILDLIFE MANAGEMENT

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### COURSE OFFERINGS

#### B BIOLOGY

**Lower Division**

100 Concepts of Biology — 4 credits
An introductory course for non-majors planning to take only one semester of Biology. A survey of the plant and animal kingdoms with emphasis on topics such as evolution, genetics, and ecology and their application to such current problems as pollution, over population and eugenics. May not be used to form a sequence with either B-101 or B-102. Each semester.

101-102 General Biology — 4 credits
A general one year introduction into the study of plant and animal life, with an interpretation of the principles of morphology, physiology, ecology, embryology, and genetics as represented by both types of organisms. Emphasis on the above principles is placed on their relationship to man. This course is recommended for those students taking only a single course in biological sciences. Three lectures and one 2-hour laboratory period per week. Each semester.

200 Man and His Environment — 3 credits
A course designed to reveal the impact of man on his environment with emphasis on the biological, economic, and social factors involved with the aim of preparing the students to be sensitive to the significant issues and factors involved in environmental decision making. Three lecture/discussion periods per week. Each semester.

203-204 Advanced General Biology — 5 credits
A general introduction to plant and animal life designed for biology majors and pre-professional students in medicine, dentistry, medical technology, forestry and others. Modern concepts of the chemical properties and physiological activities of organisms are emphasized. Plants are considered in the Fall semester; animals in the Spring. Three lectures and two three-hour laboratories per week. Prerequisite: General Chemistry, C-111-112; Introduction to Chemistry, C-101-102 or Introduction to Physical Sciences, PS 101-102. A concurrent course in Organic Chemistry is recommended. Each semester.

205 Microbiology — 3 credits
Designed for pre-nursing and Home Ec. students. A study of microorganisms causing infectious diseases and contamination of foods. Principles of sterilization and disinfection are included along with examination of food, water, blood, milk, and excreta. Two lectures and two one-hour laboratory periods per week. Each semester.

### Upper Division

303 General Bacteriology — 5 credits
A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Three lectures and two 3-hour laboratory periods a week. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. Fall semester.

310 Pathogenic Bacteriology — 4 credits
A course emphasizing the cultural, biochemical and morphological characteristics of the more important species of disease-producing bacteria. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology. Spring semester.

343 Genetics — Lecture — 3 credits
A study of the principles of genetics as they relate to living organisms. Prerequisite: one year of General Biology, or one year of Advanced General Biology or equivalent. Spring semester.
344 Genetics Laboratory — 1 credit
A practical course in the techniques of growing and analyzing genetical material. The laboratory work will include exercises in culturing of Drosophila, and other animal and plant materials. Results of experimental work will be analyzed and reports submitted. Prerequisite: concurrent or prior enrollment in Genetics Lecture. Spring semester.

365 Cytology — 4 credits
This course is a study of prokaryotic and eukaryotic cells, their specializations, and the structure, function, and variations in their cellular organelles; the mechanism of mitosis, meiosis; chromosomal aberrations; the interactions of nucleus and cytoplasm, and cytological methods. Three 1-hour lectures and one 3-hour lab. Prerequisite: Advanced General Biology. Alternates with Microtechniques, Z-361, and is offered on odd-numbered years. Fall semester.

401 Organic Evolution — 3 credits
History of the development of the theory of evolution. A detailed treatment of the genetic evidence supporting the theory as derived from both plant and animal examples. A discussion of the evidence for vertebrate evolution including that for man. Prerequisite: one year of college biology or equivalent. Genetics recommended. Alternates with Parasitology. Spring semester, odd numbered years.

410 Food Microbiology — 4 credits
A course concerned with those species of micro-organisms of economic importance to food and fermentation industries as they relate to problems of food poisoning and food-borne infections, pollution, spoilage, spoilage control and sanitation. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology. Fall semester.

412 General Parasitology — 3 credits
A general study of parasitism including the parasites of man. Lectures devoted to a phylogenetic survey of the parasitic animal groups. Laboratory provides experience in examination of host animals, detection and identification of major locally occurring parasitic groups. Two lectures and one three-hour laboratory per week. Offered alternate years with Organic Evolution. Prerequisite: Advanced General Biology or consent of instructor. Spring semester, even numbered years.

423 Bioecology — 3 credits
A survey of the physical factors of the environment and the biological interrelationships of organisms and their effect on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisite: Advanced General Biology or consent of instructor. Fall semester.

424 Bioecology Laboratory — 1 credit
Field investigations into the broad areas of aquatic and terrestrial eco-systems. Study of population and community dynamics, structures, fluctuations, etc. Prerequisite: Weekend field trips will be taken, concurrent or prior enrollment in Bioecology. Fall semester.

498, 499 Biology Seminar — 1 credit
A review of pertinent literature on selected topics. Restricted to senior biology majors. Each semester.

BT BOTANY

201 Systematic Botany — 4 credits
A laboratory, field and lecture course. The various systems of classification are discussed; terminologies employed in taxonomic literature must be mastered. Keys and manuals are employed in identifying collected specimens of local flora. Two lectures and two 2-hour laboratory periods per week or equivalent field trips. Prerequisite: First Semester Advanced General Biology or consent of instructor. Spring semester.

302 Plant Anatomy — 3 credits
This course is designed to acquaint the student with the internal structure of plant tissues, tissue systems and organs from a developmental standpoint. The study will be limited to the higher plants with emphasis on the Angio-sperms. Two lectures and two two-hour labs. Prerequisite: Advanced General Biology or consent of instructor. Spring semester.

311 Plant Morphology — 4 credits
The student will become familiar with differences in the embryology, development, physiology, anatomy and reproductive cycle of the various plant taxa. Three one-hour lectures, two two-hour labs per week. Prerequisites: Advanced General Biology. Organic Chemistry recommended. Fall semester.

401 Plant Physiology — 4 credits
Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of cellular tissue and organ functions, the mineral requirements of the plant, its metabolism, water uptake, photosynthesis, compounds synthesized by plants and a brief discussion of soil chemistry. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. General Physics and Plant Anatomy are recommended. Fall semester.

FS FORESTRY

101 General Forestry — 2 credits
A general survey of the entire field of forestry, the history and social importance of forestry, timber management and propagation of the important trees of the U.S. Two lectures per week. Spring semester.

Z ZOOLOGY

107 Human Physiology and Anatomy — 5 credits
For students in Home Economics, Pre-Nursing and Physical Education. Designed to give a general knowledge of the more important physiological problems and of the anatomical structure and functions of the human body. Three lectures and two two-hour laboratory periods per week. Not open for credit to students who have completed Advanced General Biology. Each semester.

Upper Division

301 Comparative Anatomy — 4 credits
Dissection and study of representative types of vertebrates, together with lectures and discussions of general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two 3-hour laboratory periods a week. Prerequisite: Advanced General Biology or consent of instructor. Fall semester.

305 Entomology — 4 credits
A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course includes exercises in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: Advanced General Biology or consent of instructor. Students are required to meet with the instructor sometime during the academic year which precedes their enrollment in this course in order that they may commence their collecting of specimens during the more productive summer months. Fall semester.

307 Invertebrate Zoology — 4 credits
Morphology, phylogeny and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Two lectures and two three-hour laboratories per week. Prerequisite: Advanced General Biology or consent of instructor. Spring semester.
341 Ornithology — 3 credits
A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one two-hour laboratory period each week. Prerequisite: Natural History of the Vertebrates or consent of the instructor. Alternates with Mammalogy and is thus offered on even numbered years. Spring semester.

351 Vertebrate Embryology — 4 credits
An analysis of the development of vertebrates with special emphasis on the experimental approach to morpho-genesis in lecture and classical descriptive embryology in the laboratory. Two lectures and two three-hour laboratory periods per week. Prerequisite: Advanced General Biology or consent of instructor. Spring semester.

355 Natural History of the Vertebrates — 4 credits
A lecture, laboratory and field course dealing with the identification, morphology, life cycle and habitat of fish, amphibians, reptiles, birds and mammals. Special emphasis is placed on local forms. Two lectures and two three-hour laboratory periods per week, plus two weekend field trips. Prerequisite: One year of college biology, or equivalent. Fall semester.

361 Microtechnique — 3 credits
A study of the theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. One hour lecture and two 3-hour laboratory periods. Prerequisite: Advanced General Biology or consent of instructor. Alternates with Cytology, B-365, and is offered on even numbered years. Fall semester.

400 Vertebrate Histology — 4 credits
A course dealing with the microscopic anatomy of cells, tissues, and organ systems of vertebrates with major emphasis on mammalian systems. Two one-hour lectures and two 3-hour laboratories. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. Three lectures and one 3-hour laboratory period per week. Spring semester.

401 Mammalian Physiology — 4 credits
Lectures and laboratory exercises in animal physiology dealing with the basic physiological functions of cells, tissues, and organ systems of vertebrate animals. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. Three lectures and one 3-hour laboratory period per week. Spring semester.

411 Ichthyology — 4 credits
The taxonomic, morphological, physiological, ecological and economic aspects of the fishes. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Natural History of the Vertebrates. Fall semester.

421 Mammalogy — 3 credits
A lecture, laboratory and field course dealing with the classification, identification, structure, distribution, and life habits of mammals. Two lectures and one two-hour laboratory period per week. Prerequisite: Natural History of the Vertebrates or consent of instructor. Alternates with Ornithology and is offered on odd numbered years. Spring semester.

**DEPARTMENT OF CHEMISTRY**

Jack L. Dalton, Chairman

Professors: Dalton, Hibbs, Peterson (E), Spulnik

Associate Professors: Banks, Carter, Stark

Assistant Professor: Ellis

**REQUIREMENTS FOR CHEMISTRY MAJOR**

I. Liberal Arts Option:
1. General College and Baccalaureate Degree Requirements. See pages 33-35.

2. Major requirements:

   **CREDITS**

   | A. Chemistry                          | 45 |
   | General Chemistry                    | 10 |
   | Organic Chemistry                    | 10 |
   | Physical Chemistry                   |  8 |
   | Analytical Chemistry                 |  5 |
   | Advanced Inorganic Chemistry         |  4 |
   | Instrumental Analysis                |  4 |
   | Chemistry Seminar                    |  2 |
   | Chemistry Preparation or Independent Study |  2 |
   | B. Mathematics                       | 10-18 |
   | Completion of Mathematics through Calculus M-206 | |
   | C. Physics                           | 11 |

3. Recommended Electives
   - Foreign Language
   - Upper Division Mathematics
   - Upper Division Physics
   - Life Science Courses

   *(Suggested Program)*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
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<tr>
<td>English Composition</td>
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<tbody>
<tr>
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</tr>
<tr>
<td>Physics II and III</td>
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<td>Physics Lab I and II</td>
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<tr>
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<td>Organic Chemistry</td>
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<tbody>
<tr>
<td>Chemistry Seminar</td>
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<td>Instrumental Analysis</td>
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<tr>
<td>Chemistry Preparations or Independent Study</td>
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47
II. Secondary Education Option:

1. General College and Baccalaureate Degree Requirements. See pages 33-35.

2. Major Requirements:

   A. Chemistry
      - General Chemistry: 10
      - Organic Chemistry: 10
      - Physical Chemistry: 8
      - Analytical Chemistry: 5
      - Advanced Inorganic Chemistry: 4
      - Chemistry Seminar: 2

   B. Mathematics
      - Completion of Mathematics through Calculus M-206: 10-18

   C. Physics
      - Physics: 11

3. Education Requirements
   - Foundations of Education: 20
   - Educational Psychology: 2
   - Secondary School Methods: 2
   - Secondary Student Teaching: 2
   - Education Electives (Suggested Program)

**Course Offerings**

**C CHEMISTRY**

**Lower Division**

100 Concepts of Chemistry — 4 credits
   A descriptive, non-mathematical course designed to acquaint students with the science of chemistry and chemistry's relationship 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-102 or C112 may not receive credit for C-100. Three lectures and one 3-hour laboratory per week. Each semester.

101-102 Introduction to Chemistry — 4 credits
   This course is designed for those students whose curriculum does not require an intensive study of chemistry. The course deals with fundamental principles of chemistry. First semester — atomic and molecular structure, states of matter, general reactions, and solutions. Second semester — ionization, equilibrium, redox, electrochemistry and an introduction to Organic Chemistry. The second semester also includes introductory, semi-micro, qualitative analysis. Three lectures and one 3-hour laboratory period per week. Each semester.

111-112 General Chemistry — 5 credits
   A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. This course is designed for those students whose curriculum requires a considerable knowledge of chemistry. Three lectures and two 3-hour laboratory periods per week. Recitations are included in the laboratory sessions. Prerequisite: high school chemistry. Each semester.

207-208 Elementary Organic Chemistry — 3 credits
   An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry C-102 or C-112. Each semester.

211 Analytical Chemistry — 5 credits
   Quantitative application of mass and volume relationships and of chemical equilibria to gravimetric and volumetric analysis. Three lectures and two 3-hour laboratory periods per week. Prerequisite: General Chemistry C-112. Fall semester.

**Upper Division**

317-318 Organic Chemistry Lecture — 3 credits
   A comprehensive study of organic compounds with emphasis on reaction mechanisms and synthesis.
   Designed to fulfill the requirements of Chemistry majors, Chemical engineers, and professional and preprofessional students. Three lectures per week. Prerequisite: General Chemistry C-112. Each semester.

319-320 Organic Chemistry Laboratory — 2 credits
   The first semester will cover the basic lab techniques used in Organic Chemistry and organic preparations. The second semester will deal with the interpretation of spectra and qualitative analysis. Two three-hour labs per week. Prerequisite: Chemistry 317-318 or concurrent enrollment. Each semester.

- Certain courses cover somewhat similar subject matter, and credit cannot be granted for both courses. Credits for C-101, 102 will not be allowed if credit is given in C-111, 112. Credits for C-207, 208 will not be allowed if credit is given in C-317, 318.

- A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td>English Composition</td>
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<td>General Chemistry</td>
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<tr>
<td>Physics I</td>
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<td><strong>Total</strong></td>
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DEPARTMENT OF COMMUNICATION

Dr. Robert R. Boren, Chairman
Professor: Boren
Associate Professors: Pitman, Warwick
Assistant Professors: Boylan, French, Gephart, Kumar, Rayborn
Instructor: Demoux

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general college requirements for Bachelor of Arts degree as listed on pages 30-33
2. Requirements for Communication major: all majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CM 111</td>
<td>Fundamentals of Speech Communication</td>
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<tr>
<td>CM 201</td>
<td>Methods of Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>CM 221</td>
<td>Communication Process</td>
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<td>CM 421</td>
<td>Theories of Communication</td>
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<tr>
<td>CM 498</td>
<td>Communication Seminar Courses for Area of Emphasis</td>
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</table>

Total 40-43

COMMUNICATION MAJOR

Bachelor of Arts Program
(Suggested Programs)

INTERPERSONAL COMMUNICATION EMPHASIS

1. General College Requirements
2. Departmental Core Requirements
3. Suggested Courses, as follows:

A. CM-131 Listening
CM-251 Discussion Methods
CM-307 Interviewing
CM-431 Small Group Process

B. CM-171 Mass Communication: Concepts and Perspectives
CM-341 Nonverbal Communication
CM-351 Social/Cultural Communication
CM-361 Organizational Communication
CM-412 Persuasion
CM-478 Public Relations

C. CM-321 History of Rhetorical Theories
CM-331 History of Public Address
CM-332 Contemporary American Address

D. CM-112 Argument and Debate
CM-113 Competitive Speaking
CM-121 Voice and Diction
CM-211 Intermediate Speech Communication
CM-231 Speech Construction and Delivery
CM-241 Oral Interpretation
CM-271 Journalistic Communication: Theory and Practice
CM-273 Reporting and News Writing
CM-312 Applied Speech Communication
CM-451 Communication Practicum
CM-471 Radio-TV Newswriting

Total 40-43
COMBINED MAJOR: COMMUNICATION—ENGLISH

A. With Journalism emphasis: Departmental requirements

COMMUNICATION

Fundamentals of Speech Communication, CM 111 (3)
Methods of Inquiry, CM 201 (3)
Journalistic Communication Theory & Practice, CM 271 or 272 (3)
Communication Process, CM 221 (3)
History of Rhetorical Theories, CM 321 (3)
Theories of Communication, CM 421 or 422 (3)
Communication electives (UD) (9)

ENGLISH

Literature Survey¹ (6)
Composition above the basic sequence² (6)
Introduction to Language Study, LI 305 (3)
Literature electives ³ (UD) (12)

(Add Senior Seminar — either CM 498 or E 498 — 2 hrs.)

Total Hrs.: 56 (27 & 27 & 2)

* 3 hrs. in courses before 1800

B. With Communication emphasis: Departmental requirements

COMMUNICATION

Fundamentals of Speech Communication, CM 111 (3)
Methods of Inquiry, CM 201 (3)
Communication Process, CM 221 (3)
Socio-Cultural Aspects of Communication, CM 351 (3)
Organizational Communication, CM 361 (3)
Theories of Communication, CM 421 (3)

ENGLISH

Literature Survey¹ (6)
Humanities HU 207 or 208 (3)
Advanced Writing & Linguistics³ (9)

Electives 9

Total 27

N.B. ELECTIVES:

1. If student does not elect another Humanities course (either HU 207 or HU 208), then he should take 9 additional upper division courses in each department.

2. If student elects the extra 3 hours in Humanities (either HU 207 or HU 208), then he would take 6 extra upper division hours in Communication or English and 9 upper division hours in the other department.

(Add Senior Seminar — either CM 498 or E 498 — 2 hrs.)

Total Hrs.: 56 (27 & 27 & 2)

¹ British or American. Student should consider upper-division courses he will want to take.
² To be chosen from Advanced Expository Composition (E-201), the Creative Writing sequence or technical writing.
³ To be chosen from E-201, Technical Writing, LI 305, LI 307, LI 309.
Course Offerings

CM COMMUNICATION

Lower Division

102 Professional Speech Communication — 2 credits
A course designed especially for two year preprofessional curricula. Theory and principles involved in oral communication situations in the professional world: interviews, conferences, group process, and public speaking. Each semester.

111 Fundamentals of Speech-Communication — 3 credits
Fundamental principles of public speaking; audience analysis; interest and attention factors; listening; selection and organization of speech material; delivery. Practice in preparation and delivery of extemporaneous speeches. Students may not earn credits in this course and in Professional Speech Communication CM-102. Each semester.

112 Argumentation and Debate — 3 credits
Introduction to Argumentation and Debate and the role of each in a free society. Preparation for and participation in phrasing and analyzing propositions; briefing and presenting evidence; studying persuasion, refutation, fallacies of argument. Either semester.

113 Competitive Speaking — 3 credits
A concentrated study of and practice in intercollegiate content speaking; for example: expository, persuasive, oratorical, interpretive and extemporaneous speaking. Either semester.

114 Intercollegiate Debate — 1 credit
Preparation for and participation in competitive debate using the current intercollegiate debate topic. Prerequisite: CM-112 or permission of the instructor. Each semester. CM-114 and 314 may be repeated for a total of 4 credits.

121 Voice and Diction — 3 credits

131 Listening — 3 credits
Theory and practice of man's most used communication skill. Analysis of variables as they promote or impede the process of listening. Each semester.

171, 172 Mass Communication: Concepts and Perspectives — 3 credits
A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication. Not to be taken concurrently with CM 271-272. CM 171-Fall semester. CM 172-Spring semester.

201 Methods of Inquiry — 3 credits
Introduction to methods of inquiry used in communication research, emphasizing their value and utility.

221 Communication Process — 3 credits
An introduction to and analysis of the process and problems in Communication. Emphasis upon contributions from speech and related disciplines. Each semester.

231 Speech Construction and Delivery — 3 credits
The theory and practice of speech construction. Application to specific audience situations. Delivery of manuscript speeches. Practice in various mass media. Fall semester.

241 Oral Interpretation — 3 credits
Practice in reading prose, poetry, and drama to help the student determine the logical and emotional meaning of a selection and project that meaning to his listeners. A portion of the time is spent in voice development. Either semester.
SCHOOL OF ARTS & SCIENCE
Department of English

351 Socio-Cultural Communication — 3 credits
An analysis of societal and cultural influences on effective inter-personal Communication. A critical examination of specific Communication problems and suggested corrective related to the function of society and culture. Alternate years.

361 Organizational Communication — 3 credits
The application of Communication theory and methodology to the study of Communication within the formal organization. Theories and problems of human Communication within and between organizations. Fall semester.

371 Copyreading and Editing — 3 credits
Techniques of reading newspaper copy: the use of proper copyreading symbols, laboratory work in editing and rewriting copy for publication. Prerequisite: CM 273 or 274 Fall semester.

372 Journalistic Communication Practicum — 1-4 credits
Designed for students who seek professional experience and professional careers. The course offers students training with professionals in the community. Prerequisite: Consent of the instructor. May be repeated for a total of 4 hours. Each semester.

375 Student Publications Techniques — 2 credits
A survey of techniques of writing, editing, layout, and design. Students without formal training or experience in Journalism will develop skills in newspaper production both by classwork and by work on the student newspaper. Students will meet in regular class and lab sessions under the supervision of the instructor. Each semester.

376 Yearbook Techniques — 1 credit
Techniques of layout planning, picture sizing, and writing copy for yearbooks. Recommended for members of the Les Bois staff and for students preparing to be publications advisors. Not intended for production of a yearbook. Spring semester.

401 Methods of Teaching Communication
Arts — 3 credits
Analysis and planning of curriculum for speech-communication and drama. Instructional materials and methods of teaching speech-communication and drama. Attention to classroom instruction techniques, development of behavioral objectives, forensics program management and play production. Spring semester.

412 Persuasion — 3 credits
Theories of human motivation as operative in individuals and groups; the role of evidence, reasoning, and ethical proof: the analysis of persuasive materials. Spring semester.

421 Theories of Communication — 3 credits
A critical evaluation of theories in the field of Communication. An examination of the interrelationships of definitions, models and theory. Analysis of related theories of Communication: e.g., Anthropological, mass media, social-psychological. Fall semester.

431 Small Group Process — 3 credits
An advanced study of specific variables and theories affecting the communicative interaction of small groups. Focus upon small group behavior in terms of variables that affect group process: structure, interaction, transaction, roles, norms, and cohesiveness. Fall semester.

471 Radio-TV News Writing — 2 credits
Practice writing of radio-tv news, including timing and arrangement of material, adding script to film, techniques for condensing stories, deciding the importance of story material. Preparation of headlines, five and ten minute broadcasts. Prerequisite: Reporting and News Writing CM 273-274. Fall semester.

478 Public Relations — 3 credits

498 Communication Seminar — 2 credits
A study of speech-communication problems together with presentation of paper(s) based on research into problems. Prerequisite: Senior standing. Each semester.

DEPARTMENT OF ENGLISH

Dr. Charles G. Davis, Chairman
Professors: Chatterton, Davis, Wright
Associate Professors: Boyer, Peek, Wallace (E.), Willis
Assistant Professors: Burmaster, Cocotis, Evatt, Hadden, Hansen, Hijiya, Ingram, Leathy, Maguire, McGuire, Mullaney, Nickerson, Renton, Sanderson, Selandar, Townsend, Warner, Weitman, Wilbanks
Instructor: Trusky
Emeriti: Beckwith, Hatch, Woodworth

REQUIREMENTS OF ENGLISH MAJORS

Bachelor of Arts Degree
I. Completion of general college requirements for Bachelor of Arts. See Pages 30-33.
II. English major requirements

<table>
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<td>A. Required courses for all majors</td>
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<tr>
<td>1. Survey of British Literature</td>
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<tr>
<td>2. History of Literary Criticism</td>
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</tr>
<tr>
<td>3. Shakespeare</td>
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<tr>
<td>4. Pre-1800 British Literature</td>
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</tr>
<tr>
<td>5. Post-1800 British or American Literature</td>
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</tr>
<tr>
<td>6. Introduction to Language Studies</td>
<td>3</td>
</tr>
<tr>
<td>7. Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>B. Required courses in English Options</td>
<td></td>
</tr>
<tr>
<td>1. Liberal Arts Option</td>
<td></td>
</tr>
<tr>
<td>a. Competence in a Foreign Language Equivalent to that gained by 2 years of college instruction</td>
<td>3</td>
</tr>
<tr>
<td>b. History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>c. English Electives, of which 3 must be American Literature credits (The American Literature may be lower division)</td>
<td>18</td>
</tr>
</tbody>
</table>

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SCHOOL OF ARTS & SCIENCE
Department of English

Course Offerings

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests, equivalent to those administered to Boise State College 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 requirement.

Lower Division

010 Developmental Writing — Non Credit

The fundamentals of grammar, composition and reading required of students with ACT Group 1 Probability scores of below 20 or students whose first writing in E-101 is deficient. For students wishing basic review. Each semester.

101 English Composition — 3 credits

Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage. Prerequisite: ACT score 20 or S in Developmental Writing. Each semester.

102 English Composition — 3 credits

Advanced practice in expository writing, including analysis and interpretation of imaginative literature. Study of the relationship between literature and human experience. Prerequisite: E-101 or consent of Department Chairman. Each semester.

120 English as a Second Language — 3 credits

Basic skills in American English pronunciation, sentence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking & listening to current American English; reading and vocabulary development; elementary principles of English Composition. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

121 English as a Second Language — 3 credits

Continuation of E-120 with special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-121-122 satisfies the E-101 requirement for foreign students.

122 Composition and Reading for Foreign Students — 3 credits

Practice in college level reading and composition; development of special vocabulary skills related to students individual needs: advanced English sentence structure. For Foreign Students with TOEFL of 551-575. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirement for foreign students.

123 Advanced English Composition for Foreign Students — 3 credits

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. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirement for foreign students.

COMBINED MAJOR:
COMMUNICATION — ENGLISH

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

Refer to page 50 under the Department of Communication for the listing of requirements.
201 Advanced Expository Composition — 3 credits
An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. Prerequisite: E 102 or consent of Department Chairman. Each semester.

205 Creative Writing — Poetry — 3 credits
Prerequisite: instructor’s consent based on evaluation of student’s original work. Fall semester.

206 Creative Writing — Fiction — 3 credits
Short story or playwriting. Prerequisite: instructor’s consent based on evaluation of student’s original work. Spring semester.

211 The Bible as Literature — 3 credits
A study of selected portions of the Old and New Testaments as they illustrate, primarily, major literary types. Prerequisite: E 102. Spring semester.

213 Afro-American Literature — 3 credits
The black experience as reflected in the development of black American literature. This course relates black American writing to its salient social and cultural conditions. It explores recurrent and characteristic themes, techniques, and genres from slavery to the present. Emphasis is on black writing from the 1930’s to the present day. Prerequisite: E 102. Fall semester.

215 Far Eastern Literature, In Translation — 3 credits
A survey of literature of Far Eastern countries with the major emphasis on China, India, and Japan. Included will be an introduction to the cultural and religious milieu of each country covered in the course. Prerequisite: E 102. Spring semester.

217 Mythology — 3 credits
Thematic approach to mythology. Covers creation myths, death rituals, and cultural concepts of the hero. Includes material relating to myth, religion, the occult, modern psychology, literature, and general Western culture. Prerequisite: E 102. Fall semester.

219 North American Indian Folklore and Literature — 3 credits
A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The conflict, form, and style or oral narratives and the functions which these narratives serve in preliterature societies receive particular emphasis. Prerequisite: E 102. Fall semester.

230 Western World Literature — 3 credits
Homer through Dante. Prerequisite: E 102. Fall semester.

235 Western World Literature — 3 credits
Renaissance to Present. Prerequisite: E 102. Spring semester.

301 Teaching English Composition — 3 credits
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. Prerequisites: Upper Division standing, and LI 305, introduction to Language. Studies, or inservice teaching. Either semester.

305 Advanced Poetry Composition — 3 credits
Prerequisite: instructor’s consent based on evaluation of student’s original work. Spring semester.

306 Advanced Fiction Composition — 3 credits
Short story or playwriting. Prerequisite: instructor’s consent based on evaluation of student’s original work. Fall semester.

320 Non-British Western World Drama — 3 credits
A survey of major European dramatists from Aeschylus to Anouilh, with special emphasis on the comparison and contrast of the Greek, Renaissance, and modern periods. Also included is material on the development of European drama, the use and misuse of dramatic devices, and the adaptation of various kinds of drama to the periods studied. Prerequisite: Junior standing and E 102 or consent of the Department Chairman. Either semester.

336 Nineteenth-Century Continental Literature — 3 credits
A study (in translation) of major European writers of the Nineteenth Century. Specific reading selections vary each semester, but keep within a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Included are works by Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky, and Tolstoy. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Fall semester, alternate years. To be offered 1974-75.

338 Twentieth-Century Continental Literature — 3 credits
The readings (in translation) used for Twentieth Century Continental Literature especially emphasize twentieth century philosophical trends and cultural themes. Included in the course are works by Mann, Mauriac, Lagerkvist, Kafka, Hesse, Grass and Solzhenitsyn which examine mythological, existential, religious, and political themes in relation to contemporary human values. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Spring semester, alternate years. To be offered 1974-75.

340 Chaucer — 3 credits
A study of representative works of Geoffrey Chaucer with emphasis on The Canterbury Tales and Troilus and Criseyde. Prerequisite: Three units lower-division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1974-75.

341 Medieval Epics and Romances — 3 credits
A study of representative English and Continental epics and romances, which include Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes' Arthurian Romances, The Song of Roland, The Nibelungenlied, and The Cid. Prerequisite: Three units lower-division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1975-76.

345 Shakespeare: Tragedies and Histories — 3 credits
A study of representative Shakespearean Tragedies and Histories. Prerequisite: Three units lower-division literature or consent of Department Chairman. Spring semester.

346 Shakespeare: Comedies and Romances — 3 credits
A study of representative Shakespearean Comedies and Romances. Prerequisite: Three units lower division literature or consent of Department Chairman. Fall semester.

347 Spenser — 3 credits
Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1975-76.

348 British Renaissance Non-Dramatic Literature — 3 credits
A study of British poetry and prose from the sixteenth century, including works by More, Marlowe, Spenser, Sidney, Shakespeare, and Bacon. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1974-75.

349 Elizabethan and Jacobean Drama — 3 credits
A study of Elizabethan and Jacobean comedies and tragedies, which include representative works of such playwrights as Kyd, Marlowe, Jonson, Thomas Heywood, Beaumont and Fletcher, Dekker, Greene, Tourneur, Chapman, Middleton, Webster, and Ford. Prerequisite: Three units lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1975-76.
350 Earlier Seventeenth Century Non-Dramatic Literature – 3 credits
A study of the poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Marvell, who flourished during the first sixty years of the 17th century. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1974-75.

351 Milton – 3 credits
A study of selected prose and poetry of John Milton with special emphasis on Paradise Lost, Paradise Regained and Samson Agonistes. A special attention will be given to intellectual, religious and historical milieu of Milton's age. Prerequisite: Three units lower division literature or consent of Department Chairman. Alternate years, fall semester. To be offered 1974-75.

355 Dryden Pope and Their British Contemporaries – 3 credits
An in-depth study of two of the masters of "neoclassic" poetry and other literary trends. The course will also provide an introduction to Restoration drama, the periodic essay, modern prose fiction and the various modes of satire popular in England between 1660 and 1740. Prerequisite: Three units lower division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1974-75.

357 Swift, Johnson and Their British Contemporaries – 3 credits
A study of the and philosophy of two of Britain's best known writers. A look also at the various currents which cross a period in which the "Enlightenment" gave way to modern outlooks. Other authors read usually include Fielding, Sterne, Gray, Gibbon, Burke, andBlake. Prerequisite: Three units lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1974-75.

359 British Novel: Beginnings through Scott – 3 credits
An investigation of the development of the novel, tracing its roots and exploring the work of DeFoe and the "big four"—Richardson, Fielding, Smollett and Sterne—through the emergence of the sophisticated novels of Jane Austen and the historical romances of Scott. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumptions about the world around us. Prerequisite: Three units lower division literature or consent of Department Chairman. Fall semester.

360 British Romantic Poetry – 3 credits
A study of representative poems and supplemental statements by the Romantics, Wordsworth, Coleridge, Shelley, Keats, Byron, and selected contemporaries, including Blake and Hazlitt. Prerequisite: Three units lower division literature or consent of Department Chairman. Fall semester.

365 Victorian Poetry – 3 credits
A study of representative works from the writings of Tennyson, Browning, Arnold, their contemporaries, up to and including Thomas Hardy. Prerequisite: Three units lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1974-75.

366 Victorian Prose – 3 credits
A study of the intellectual and spiritual crises of mid-19th century Britain, as represented in the non-fiction prose of such writers as Carlyle, Arnold, J.S. Mill, Huxley, Newman, and Ruskin. Prerequisite: Three units lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1974-75.

369 British Novel: Austen through Hardy – 3 credits
An investigation of the development of the English novel from the beginning of the Victorian era to the death of Hardy in 1928, with particular attention to the relationships between the novel and Victorian attitudes up to the emergence of the twentieth-century British novel. Prerequisite: Three units lower division literature or consent of Department Chairman. Spring semester.

377 American Renaissance – 3 credits
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. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester.

378 American Realism – 3 credits
A study of American literature written during the period from the Civil War to World War I. Mark Twain, W.D. Howells, Henry James, Kate Chopin, Theodore Dreiser, and contemporaries refined their literary techniques to accommodate their basic belief that literature should be written about the average person in the light of common day. Such related theories and ideas as Social Darwinism, psychology, sentiment, impressionism, and Howells' "doctrine of complicity" also receive attention in lectures and in discussions of novels. Prerequisite: Three units of lower division literature or consent of Department Chairman. Either semester.

381 Methods of Teaching Secondary School English – 3 credits
Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. Prerequisite: Introduction to Language Studies LI 305. Fall semester.

384 Literature of the American West – 3 credits
Selected works by representative writers of the American West. A study of such Western types as the mountain man, the cowboy, and the pioneer in the works of such serious writers as Wallace Stegner, Owen Wister, H.L. Davis, John Steinbeck, and Willa Cather. In addition to assessing the literary merits of the works studied, regional attitudes and values are analyzed and discussed. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester.

385 Twentieth-Century Anglo-American Fiction – 3 credits
This course is designed to acquaint both non-majors and majors in literature with typical themes, subject matter, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Eliot, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester.

389 Twentieth-Century Anglo-American Drama – 3 credits
A study of plays that reveal techniques and ideas used by the British and American writers who have created the various forms of "modern" drama. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester.

390 Folklore – 3 credits
Study of what folklore is, its written and oral traditions, its different genres, and the analogues — or variants related to different genres. Prerequisite: E-102 and junior standing or consent of Department Chairman. Either semester.

393 History of Literary Criticism – 3 credits
A survey of critical approaches to literature from Plato to the twentieth century. Prerequisite: Junior standing and a literature survey or consent of the Department Chairman. Fall semester.

487 Twentieth-Century Anglo-American Poetry – 3 credits
A study of representative works by important Twentieth-Century British and American poets and of philosophical and aesthetic concerns these works reveal. Prerequisite: Three units lower division literature or consent of Department Chairman. Either semester.

488G Methods and Theories of Literary Criticism – 3 credits
Prerequisite: E-393 and Junior standing or consent of Department Chairman. A detailed study and application of major critical methods and theories. Spring semester.

498 Senior Seminar – 2 credits
Required of all senior English majors. Prerequisite: Senior standing in English or consent of Department Chairman. Spring semester.

HU HUMANITIES

207, 208 Introduction to Humanities – 3 credits
Definitions and redefinitions of culture: man's pursuit of meaning in literature, art, music, and drama. The origins, limits, and uses of the creative arts. The exploration of self, society, and the world through illusion. The humanities and the scientific imagination. "High" culture and "mass" culture. Prerequisite: English 102 or consent of Department Chairman. Each semester.
SCHOOL OF ARTS & SCIENCE
Department of Foreign Languages

LI LINGUISTICS

305 Introduction to Language Studies — 3 credits
A general survey of contemporary language study as it is carried
on in the fields of linguistics, anthropology, semantics, psychology,
and communication theory. Prerequisite: English 102 or consent of
Department Chairman. Fall semester.

307 Applied English Linguistics — 3 credits
Application of linguistic theory and concepts to the teaching
of English grammar and composition. Analysis of specific
problems of structure encountered in instruction. Examination
of texts and materials, reports on pertinent articles in profes-
sional journals, and demonstrations. For teachers or prospective
teachers of secondary schools. Prerequisite: LI-305 or
consent of Department Chairman. Spring semester.

309 History of the English Language — 3 credits
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. Con-
centrated work with written documents in English language his-
tory. Prerequisite: LI-305 or consent of Department Chairman.
Spring semester.

DEPARTMENT OF
FOREIGN LANGUAGES

Dr. George A. Jocums, Chairman
Associate Professors: Jocums, Valverde
Instructor: Herbert
Special Lecturer: Tarbet
Emeriti: Power, deNeufville

REQUIREMENT FOR A FOREIGN
LANGUAGE TEACHING MINOR

In order to be recommended by the Department of
Foreign Language to teach a foreign language, the student
must have completed the following: 6 hours of upper
division composition and conversation in the foreign
language; 6 hours of upper division literature or culture and
civilization in the same language; 3 hours of methods of
teaching foreign languages.

Course Descriptions

FL FOREIGN LANGUAGE

110 Applied Phonology: French, German, Italian — 3 credits
Phonetic description and phonemic analysis of French, German,
and Italian languages, especially designed for students in vocal music
and related areas. This course may be taken concurrently with any
foreign language offered. Fall semester.

310 Methods of Teaching Foreign Languages — 3 credits
A lecture-discussion course intended for prospective and
in-service language teachers. Various aspects of language
teaching are considered, including classroom techniques, prob-
lems, audio-visual materials, and testing. Outside reading and a
notebook required. Prerequisite: a minimum of two years of the
same foreign language, or in-service teaching. Spring semester.

F FRENCH

Lower Division

101-102 Elementary French — 4 credits
This course is designed to develop the beginning student's
abilities in understanding, speaking, reading, and writing French.
Required laboratory practice (1 hour/week) develops pronunciation
and listening skills. Classes meet 4 times a week. Students
may not enroll in 101 for credit if they have had more than one
year of high school French or equivalent. With permission of the
instructors, it is possible for a student enrolled in 102 and who
lacks adequate preparation to drop back to 101. Each semester.

201-202 Intermediate French — 4 credits
A continuation of the 101-102 sequence. Designed to further
develop language skills, both written and oral. Classes are con-
ducted in French. Some outside reading may be required. One
hour per week of laboratory practice is required. Class meets
four times a week. Prerequisite: 102 or equivalent. Each se-
mester.

Upper Division

301-302 Survey of French Literature — 3 credits
An introduction to the major writers and trends of the French
literary tradition. Selections and complete works of poetry,
fiction, theatre, and essay are studied. In the first semester,
the Middle Ages through the 18th century are covered; in the
second semester, the 19th and 20th centuries. Classes are
conducted mostly in French. Prerequisite: F-201-202 or demonstr-
ated proficiency. Meets the literature requirement for the
baccalaureate degree. Offered alternate academic years.

303-304 French Composition and Conversation
— 3 credits
Intended to further stimulate clarity, simplicity, and precision
in oral and written French; and to lay the foundations for
literary studies. Class conducted entirely in French. Prerequi-
site: F-201-202 or demonstrated proficiency. Each semester.
305 French Culture and Civilization — 3 credits
Coverage of French civilization from pre-historic beginnings to the French Revolution. Special attention to contributions to the development of western civilization. Following topics are treated: Geography, history, French literature, Paris, art, sciences, French educational system, French life. All lectures and discussions are conducted in French. Some outside reading in English. Prerequisite: 2 years of college French or equivalent as determined by placement test. Fall semester. Offered in alternate academic years.

306 French Culture and Civilization — 3 credits
Coverage of French civilization from the Napoleonic era to the present. Special attention to contributions to the development of western civilization. Following topics are treated: Geography, history, French literature, Paris, art, sciences, French educational system, French life. All lectures and discussions are conducted in French. Some outside reading in English. Prerequisite: 2 years of college French or equivalent as determined by placement test. Spring semester. Offered in alternate academic years. Offered in 1974-75.

G GERMAN

Lower Division

101-102 Elementary German — 4 credits
This course is designed to develop the beginning student’s abilities in understanding, speaking, reading, and writing German. Required laboratory practice (1 hour/week) develops pronunciation and listening skills. Classes meet 4 times a week. Students may not enroll in 101 for credit if they have had more than one year of high school German or equivalent. With permission of the instructors, it is possible for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Each semester.

103 Approaches to German Conversation and Composition—2 credits
A basic course in elementary conversation and composition designed to build written and spoken fluency for beginners. Grades will be based on oral work and written compositions rather than on examinations. Some work in the language laboratory is required. Prerequisite: 102 or concurrent registration. Students with more than one year of college German are not eligible.

201-202 Intermediate German — 4 credits
A continuation of the 101-102 sequence, designed to further develop language skills, both written and oral. Classes are conducted in German. Some outside reading may be required. One hour per week of laboratory practice is required. Classes meet four times a week. Prerequisite: 102 or equivalent. Each semester.

Upper Division

301-302 Survey of German Literature — 3 credits
An introduction to the major writers and trends of the German literary tradition. Selections and complete works of poetry, fiction, theatre, and essay are studied. In the first semester, the Middle Ages through the 18th century are covered, in the second semester, the 19th and 20th centuries. Classes conducted mostly in German. Prerequisite: G 201-202 or demonstrated proficiency. Meets the literature requirement for the baccalaureate degrees. Offered in alternate academic years.

303-304 German Conversation and Composition — 3 credits
Intended to further stimulate clarity, simplicity, and precision in oral and written German, and to lay the foundations for literary studies and/or foreign travel. Class conducted entirely in German. Prerequisite: G-201-202 or demonstrated proficiency. Each semester.

S SPANISH

Lower Division

101-102 Elementary Spanish — 4 credits
This course is designed to develop the beginning student’s abilities in understanding, speaking, reading, and writing Spanish. Required laboratory practice (1 hour/week) develops pronunciation and listening skills. Classes meet 4 times a week. Students may not enroll in 101 for credit if they have had more than one year of high school Spanish or equivalent. With permission of the instructors, it is possible for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Each semester.

103 Approaches to Spanish Conversation and Composition—2 credits
A basic course in elementary conversation and composition designed to build written and spoken fluency for beginners. Grades will be based on oral work and written compositions rather than on examinations. Some work in the language laboratory is required. Prerequisite: 102 or concurrent registration. Students with more than one year of college Spanish are not eligible.

201-202 Intermediate Spanish — 4 credits
A continuation of the 101-102 sequence, designed to further develop language skills, both written and oral. Classes are conducted in Spanish. Some outside reading may be required. One hour per week of laboratory practice is required. Class meets four times a week. Prerequisite: 102 or equivalent. Each semester.

Upper Division

301-302 Survey of Spanish Literature — 3 credits
A historical survey of the Spanish literature from the early Middle Ages to modern times. Reading and interpretation of major literary as well as socio-cultural trends, with assigned oral and written reports: development of powers of interpretation, critical insight. Lectures and class participation are in Spanish. Prerequisite: Intermediate Spanish S-201 and S-202. Meets the literature requirement for baccalaureate degrees. Offered in alternate academic years.

303-304 Spanish Conversation and Composition — 3 credits
Intended to further stimulate clarity, simplicity, and precision in oral and written Spanish, and to lay the foundation for literary studies and/or foreign travel. Class conducted entirely in Spanish. Prerequisite: S 201-202 or demonstrated proficiency. Each semester.

305 Spanish Culture and Civilization — 3 credits
Coverage of Spanish civilization from earliest Iberian beginnings to contemporary Spain. Discussion of Spain’s history and its influence on present nation and people. Special attention to Spain’s contributions to Western Civilization. All lectures and discussions conducted in Spanish; some readings in English. Outside
readings and papers required. Prerequisite: 2 years of college Spanish or equivalent as determined by placement exam. Fall semester. Offered in alternate academic years.

306 Spanish-American Culture and Civilization — 3 credits
Coverage of Spanish-American civilization. Lecture, discussion and laboratory courses dealing with cultural, social, economic and political developments in the Hispanic-American nations. The course gives the student an understanding of Hispanic cultural systems and affords insight into the perplexities and challenges facing Hispanic peoples today. Class conducted in Spanish. Prerequisite: 2 years college Spanish or equivalent as determined by placement exam. Spring semester. Offered in alternate academic years.

DEPARTMENT OF GEOLOGY

Dr. Kenneth Hollenbaugh, Chairman

Professors: Hollenbaugh, Warner

Associate Professors: Nichols, Spinoso, Wilson (M)

Associate Professor: Applegate

The Department of Geology provides two degree programs in geology and non-degree course offerings in geography. The curriculum leading to the Bachelor of Science degree in Geology is designed for those students who plan a career in applied geology or who plan to attend graduate school. The more generalized curriculum leading to the Bachelor of Science degree in Earth Science Education is designed to prepare the student to teach earth science in secondary school and to meet the teacher certification requirements of the state of Idaho.

In addition to the courses formally offered in both curricula, a student may receive credit for courses given under the heading of Special Topics or for Independent Study as explained on page 36. Any one of the following Special Topics may be offered either semester in response to sufficient student demand: biostratigraphy, geochemistry, glacial and Pleistocene geology, mining geology, petroleum geology, regional geology, and regional field study and report writing.

It is strongly recommended that high school students who plan to enter the geology or earth science curriculum include chemistry, physics, and as much mathematics as is available to them in their high school program.

REQUIREMENTS FOR GEOLOGY MAJOR

Bachelor of Science

I. Geology Major:

1. General College and Baccalaureate Degree Requirements. See pages 30-33 for Graduation Requirements.

2. Major Requirements

CREDITS

A. Geology

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<td>Physical Geology</td>
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<td>Stratigraphy</td>
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<td>Structural Geology</td>
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Geology electives to total 45 credits

B. Introduction to Chemistry

C. General Physics

D. Mathematics through M-112

E. Technical Drawing unless waiver is obtained from department chairman

F. Recommended electives

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<tr>
<th>Life Science</th>
<th>Business</th>
<th>Mathematics</th>
<th>Economics</th>
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GEOLOGY MAJOR

(Suggested Program)

FRESHMAN YEAR:

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| Total Credits           | 16       | 16       |

SOPHOMORE YEAR:

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<td>Petrology</td>
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| Total Credits           | 15       | 15       |

JUNIOR YEAR:

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| Total Credits           | 17       | 17       |

SENIOR YEAR:

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<tr>
<td>Upper Division Electives in Geology</td>
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| Total Credits           | 16       | 16       |
II. Earth Science Education Major:

1. General College and Baccalaureate Degree Requirements. See pages 30-33 for Graduation Requirements.

2. Major Requirements

   A. Geology
      Physical Geology ........................................ 4
      Historical Geology ...................................... 4
      Introduction to Ocean Geology ......................... 3
      Meteorology .............................................. 3
      Geology Seminar ......................................... 1
      Geomorphology ............................................ 3
   Geology Electives to total 30 credits

   B. Introduction to Chemistry ............................. 8

   C. General Physics or General Biology .................. 8

   D. Mathematics through M 112 ............................ 10

   E. Astronomy ............................................... 4

   F. Recommended Electives ................................. 6-8
      Geography
      Foreign Language
      Mathematics
      Communications
      Life Science

3. Education Requirements .................................. 20
   The following are required for Secondary Teaching Certification in Idaho:
   Foundations of Education ................................ 3
   Educational Psychology .................................... 3
   Secondary School Methods ................................ 3
   Secondary Student Teaching .............................. 6
   Education Electives ....................................... 5

   FRESHMAN YEAR:
   English Composition ...................................... 3
   Physical Geology .......................................... 4
   Historical Geology ........................................ 4
   Mathematics ................................................ 5
   Chemistry ................................................... 4

   16 16

   SOPHOMORE YEAR:
   Foundations of Education ................................. 3
   Geography ..................................................... 3
   General Physics or General Biology ...................... 4
   Ocean Geology .............................................. 4
   Meteorology ................................................ 3
   General Psychology ........................................ 3
   Degree Requirements ...................................... 6
   Astronomy ..................................................... 4

   16 17

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

   17 16

   SenIOR YEAR:
   Educational Psychology ................................. 3
   Upper Division Geology .................................... 6
   Seminar ....................................................... 1
   Secondary School Methods ............................... 3
   Student Teaching .......................................... 6
   Education Electives ...................................... 3
   Upper Division Electives ................................. 6
   Audio Visual Aids ......................................... 2

   16 14
SCHOOL OF ARTS & SCIENCE
Department of Geology

111 Geology of Idaho and the Pacific Northwest — 3 credits
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. One three-hour lecture per week and two field trips. Prerequisite: Physical and Historical Geology or consent of instructor. Spring semester, alternate years. Offered 1974, not offered 1975.

201 Introduction to Ocean Geology — 3 credits
A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Two one-hour lectures per week. Prerequisite: Historical Geology. Spring semester.

213 Introduction to Meteorology — 3 credits
An introduction to the study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: Physical Geology. Three one-hour lectures. Fall semester.

221 Mineralogy — 4 credits
A study of the origin, occurrence, and association of the various rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Historical Geology and College Chemistry or concurrent registration in College Chemistry. Fall semester.

222 Petrology — 4 credits
Study of igneous, sedimentary, and metamorphic rocks with emphasis on physical and chemical conditions controlling the origin, occurrence, and association of the various rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Three one-hour lectures and one three-hour lab per week as well as two all-day Saturday field trips. Prerequisite: Mineralogy. Fall semester.

250 Principles of Paleontology — 3 credits
A course designed for non-geology majors, especially those planning to teach in the biological sciences. The course provides an overview of the various fields of paleontology. Evolution, taxonomy, and descriptions of important fossil groups will be stressed. Laboratory periods will be used to study small collections of the more important phyla and to introduce the student to simple museum techniques of fossil preparation and display. A term paper or project is required. Two one-hour lectures and one three-hour laboratory per week. Prerequisites: Any introductory course in geology, biology, zoology, or botany or consent of the instructor. Either semester.

Upper Division

311 Sedimentology — 4 credits
A study of the classification of sedimentary rocks and all processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Laboratory work consists of microscopic, chemical, and other analyses of sedimentary rocks and of a study of the methods and instruments used in statistical treatment of sediments for mapping and research purposes. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Mineralogy. Fall semester.

312 Stratigraphy — 3 credits
The study of sedimentary strata with chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. Three one-hour lectures, field trip and special projects and a report required. Prerequisite: Sedimentology. Spring semester.

313 Geomorphology — 3 credits
A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers and the processes by which they are formed and changed. Laboratory work consists of map studies and field investigations. Two lectures and one three-hour laboratory per week. Prerequisite: Historical Geology. Fall semester.

314 Structural Geology — 4 credits
A study of the physical nature of rocks, the origin, description, classification, and interpretation of deformational structures of the earth's crust, and the principal theories of deformation and orogeny. Lab problems in recognition and analysis of geologic structures, the geometry of faults and folds, construction of maps and cross sections, and the use of aerial photos. Field trip. Three lectures and one three-hour lab per week. Prerequisite: Historical Geology and College Algebra and Trig. Fall semester.

321 Optical Mineralogy — 4 credits
The theory and application of the polarizing microscope to the examination of minerals. An introduction to the general theory of crystal optics and the application of the polarizing microscope to qualitative and quantitative mineral examination. Laboratory experience in the preparation of materials for optical study and diagnostic techniques for mineral identification. A systematic survey of the optical properties of minerals. Prerequisite: GO 222. Fall semester.

322 Petrography — 4 credits
An introduction to the study of rocks in thin section by means of the polarizing microscope. The interpretation of the origin and history of igneous, metamorphic, and sedimentary rocks based primarily on features observed in this section. A systematic survey of the major rock types with emphasis on textures, mineralogy and classification. Prerequisite: GO-321. Spring semester.

351 Invertebrate Paleontology — 4 credits
The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hard-part morphology, ontogeny, phylogeny and taxonomy of the geologically more important groups. Laboratory work based on standard collections made by the students during field trips. Three hours of lectures, four hours of labs. Prerequisite: Historical Geology or Advanced General Biology. Fall semester.

403 Engineering Geology — 3 credits
Application of geology to engineering projects. Aspects of geology include selected principles from structural geology, petrology, geomorphology, photogeology, geohydrology and soil mechanics. These principles are applied to construction and maintenance of transportation routes, dams, canals, bridges, building foundations and tunnels. Case histories of major projects are studied. Two lectures and one three-hour laboratory per week. Field trip required. Prerequisite: Structural geology and stratigraphy or permission of instructor. Spring semester.

412 Groundwater Geology — 3 credits
A study of the origin of water found beneath the earth's surface and the geologic conditions which permit the movement, work, and accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, and stratigraphic conditions most conducive to the formation of ground water reservoirs. Three one-hour lectures per week. Prerequisite: Structural Geology and Stratigraphy. Fall semester.

421 Ore Deposits — 3 credits
The genesis, structure, mineral associations and classification of economic deposits of minerals. Discussion of modern theories of ore deposition, origin and migration of ore-bearing fluids, and the processes of alteration, secondary enrichment, paragenesis, and zoning. Consideration is given to the controls or ore occurrence and to the economics of exploration, development, and use of ores. Three lectures per week. Field trip required. Prerequisites: Mineralogy and Structural Geology. Spring semester.
431 Petroleum Geology — 3 credits
A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. Two one-hour lectures per week and one three-hour lab per week. Three field trips. Prerequisite: Structural Geology and Sedimentology. Alternate years, spring semester. Offered 1975.

441 Introduction to Geophysical Methods — 3 credits
The course will include material on surface and borehole-based geophysical methods. It will include a general survey of the elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, electrical and borehole techniques. The applicability of the various techniques to the solution of geologic problems in exploration geology (economic and petroleum), engineering geology, and ground water geology will be stressed. Prerequisite: one year of college physics. Spring semester.

471 Regional Field Study and Report Writing — 1 credit
This course constitutes library research and preparation of reports, geologic maps, road logs, and a field trip guide book pertaining to a variety of geologic topics relative to a specific region. That region, to be designated at the beginning of the semester, is then visited and studied during a field trip; the trip is ordinarily taken during the spring semester vacation period. Rocks, minerals, and fossils collected during the trip and photographs of specific merit are keyed to the guidebook, which is then compiled into final report form. One lecture per week; field trip required. Prerequisite: upper division standing or consent of the instructor. Spring semester.

480 Field Geology — 4 credits
Application of geologic principles and currently used field techniques to the solution of field problems. Work includes measurement and correlation of stratigraphic sections, plane table mapping, geologic mapping on aerial photographs and on topographic maps, and special field techniques for igneous, sedimentary and metamorphic terrains. Instruction will be by appropriate specialized geologists. A formal report of professional quality is required. One lecture and three three-hour labs. Field work on most weekends is required. Prerequisites: Senior standing and permission of Geology Department Chairman. Spring semester.

498, 499 Geology Seminar — 1 credit
Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. Prerequisite: Geology major or Earth Science Education major. Each semester.

GG GEOGRAPHY

Lower Division

101 Introduction to Geography — 3 credits
A comprehensive survey of various environments of man in a study of world patterns and major regions with emphasis on the utilization of globes, interpretation and construction of maps. The course introduces basic concepts and techniques used in geography, utilization of natural resources, distribution of population and outstanding problems of each region. Each semester.

DEPARTMENT OF HISTORY

Dr. Warren Vinz, Chairman
Professors: Caylor, Lovin, Ourada, Vinz
Associate Professors: Barrett, Bryant, Seward, Sims, Sylvester
Assistant Professors: Fletcher, Tozer
Instructor: Zirinsky

REQUIREMENTS FOR HISTORY MAJOR

Bachelor of Arts Program

I. Liberal Arts Option

1. General College requirements to include:
   Federal Government ........................................... 3
   Foreign Language and/or equivalent (a minimum of) 8
   History requirements:
   A. Lower Division Courses .................................. 15
      History of Western Civilization ...................... 9
      United States History ................................ 6
   B. Upper Division Courses (a minimum of) to include:
      History Seminar ........................................... 2
      Study and Methods of History ......................... 2
   Electives ...................................................... 28-36

II. Secondary Education Option

1. General College requirements to include:
   Federal Government ........................................... 3
   History requirements:
   A. Lower Division courses ................................. 15
      History of Western Civilization ...................... 9
      U.S. History ............................................. 6
   B. Upper Division Courses (a minimum of) to include:
      American History Elective ............................. 3
      Study and Methods of History ......................... 2
   Electives ...................................................... 20

III. History - Social Science Secondary Education Option

Each academic department in the social sciences (History, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the department's subject matter plus two additional fields of study or teaching minors of 15 credits each chosen from the other social science fields.
32 Hour Program

A. History Courses

1. HY 151, 152 U.S. History or their HY 297 equivalent .............. 6 hours
2. HY 102, 103, History of Western Civilization or their HY 297 equivalent ........ 6 hours
3. HY 300 Study and methods of History ....... 2 hours
4. Additional History ................... 18 hours
   a. A minimum of 12 upper division credits of U.S. history, 6 of which must be selected from list (a) below, 3 from list (b) below and 3 from lists (a), (b) or (c) below.
      (a) Chronological histories ....... 6 hours
         HY 351 Colonial America
         HY 352 The Federal Period
         HY 353 The National Era
         HY 354 Civil War & Reconstruction
         *HY 358 Emergence of Modern America
         *HY 359 Recent United States
      (b) Topical histories .......... 3 hours
         HY 365 U.S. Constitutional
         HY 362 U.S. Diplomatic
         HY 497 U.S. Economic
         HY 364 U.S. Social & Cultural
      (c) Any of the above upper division history course or .... 3 hours
         HY 355 Western America
         HY 356 The Indian in U.S. History
         HY 367 Colonial Spanish America
         HY 368 Spanish American Nations
   b. Additional history elective ..... 6 hours
      (3 hours must be upper division)

32 hours

Strongly recommended:

With prior approval of the department, a student may substitute European or world history courses for the requirements listed above for the History-Social Science Major.

B. At least 15 credits, of which 9 must be upper division, in curricula offered by any two of the following academic disciplines.
   Economics
   Political Science
   Anthropology
   Sociology

C. Secondary Education Requirements ........................................... 20 hours

15 Hour History Option

Similar 30-15-15 academic majors are available in the various social science disciplines in which their courses would constitute the 30-credit core of the major and history would serve as one of the associated 15-credit blocks. For such a major the Department of History requires that at least 9 of the 15 history credits be upper division, and that courses be selected from the recommended lists.

A. For an Economics 30-credit core:
   1. HY 151, 152 United States History or their HY 297 equivalent ....... 6 hours
   2. Any three of the following courses ........ 9 hours
      HY 358 Emergence of Modern America
      HY 359 Recent U.S.
      HY 364 U.S. Social & Cultural
      HY 365 U.S. Constitutional
      HY 497 U.S. Economic History or equivalent

B. For a Political Science 30-credit core:
   1. HY 151, 152 United States History or their HY 297 equivalent ....... 6 hours
   2. Any three of the following courses ........ 9 hours
      HY 352 The Federal Period
      HY 358 Emergence of Modern America
      HY 365 Recent U.S.
      HY 362 U.S. Diplomatic
      HY 315, 316 History of the Far East
      HY 311, 312 History of Africa
      HY 313, 314 History of Russia
      HY 307 Germany and the Quest for Unity
      HY 308 France and the Quest for Stability
      HY 369 Spanish American Nations
      HY 332 Islamic Empires

C. For a Societal and Urban Studies 30-credit core:
   1. HY 151, 152 United States History or their HY 297 equivalent ....... 6 hours
   2. Any three of the following courses ........ 9 hours
      HY 358 Emergence of Modern America
      HY 359 Recent U.S.
      HY 364 U.S. Social and Cultural
      HY 356 Indians in U.S. History
      HY 365 U.S. Constitutional
      HY 397 U.S. Economic History or equivalent

For any of the above, appropriate special topics or independent study could be considered as acceptable alternatives.

IV. History Minor Option

1. Completion of the following courses .......... 21
   U. S. History .................. 6
   Federal Government ............ 3
   History of Western Civilization .. 6
   History or Political Science Electives .. 3
   Upper Division American History Elective 3

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Course Offerings

HY HISTORY

Lower Division

101, 102, 103 History of Western Civilization — 3 credits
First semester: The development of European civilization from classical antecedents to the twelfth century. A.D.; Second semester: The development of the early modern European works from the twelfth century to 1815; Third semester: The development and expansion of western civilization worldwide since 1815. Each semester.

151, 152 United States History — 3 credits
First semester: The history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power. Each semester.

201 Problems in Western Civilization — 3 credits
Selected problems in Western Civilization from the Ancient Near East, Greco-Roman, and early Middle Ages with emphasis on the influence of Hebrew monotheism, Athenian democracy, the Roman constitution, and Medieval society and Western thought. Not open to students who have credit in HY 101. Prerequisite: Course in high school or consent of instructor. Either semester.

202 Problems in Western Civilization — 3 credits
Selected problems in Western Civilization from the High Middle Ages to 1815 with emphasis on the problems of nation making and religious and political revolutions in Western society. Not open to students who have credit in HY 102. Prerequisite: Course in high school or consent of instructor. Either semester.

203 Problems in Western Civilization — 3 credits
Selected problems in Western Civilization from 1815 to the present with emphasis on the problems of nationalism, imperialism, socialism, communism, the world wars, and the post world war. Not open to students who have credit in HY 103. Prerequisite: Course in high school or consent of instructor. Either semester.

251 Problems in U.S. History — 3 credits
Selected problems in U.S. History from the colonial era through independence, nationalism, Jacksonianism, Civil War, and Reconstruction. Not open to students who have credit in HY 151. Prerequisite: Course in U.S. History in high school or consent of instructor. Fall semester.

252 Problems in U.S. History — 3 credits
Selected problems in U.S. History from the rise of industry and labor through populism, imperialism, progressivism, world war, depression, and world leadership. Not open to students who have credit in HY 152. Prerequisite: Course in high school or consent of instructor. Spring semester.

298 American Heritage — 2 credits
An introductory course to an Eastern seaboard trip: provides a survey of the early and contemporary contributions to our American heritage. Historical and governmental sites to be visited include Williamsburg, Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participating in the tour and doing the required work. The course is open on an audit basis for other interested students. Spring semester or Summer.

Upper Division

300 The Study and Methods of History — 2 credits
The methods of historical research — selection and evaluation of source materials, interpretation, synthesis — and the preparation of scholarly written papers. Required for all history majors by the completion of the junior year. Open to selected students in other majors with permission of the instructor. Either semester.

303 The Age of Absolutism and Reason — 3 credits

307 Germany and the Quest for Unity, 1848-1970 — 3 credits
The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 103 recommended. Spring semester, alternate years. Not offered in 1974-75.

308 France and the Quest for Stability, 1814-1968: — 3 credits
The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the Fifth Republic by Charles deGaulle. HY 103 recommended. Fall semester, alternate years. Not offered in 1974-75.

309 The Renaissance — 3 credits
A study of European society, economic development, artistic expression and humanism, and political concepts, with attention to both the Renaissance in Italy and in the North. Prerequisite: HY 102 or consent of instructor. Spring semester, alternate years.

310 The Reformation — 3 credits
Survey of Church-State relationships to include the Babylonian Captivity, the Great Schism, the impact of the national state, and the theological and political philosophies of reformers from Wycliffe to the Council of Trent. Consideration will be given to the world wide impact of Protestantism, the Catholic Reformation, and dissident minority sects. Prerequisite: HY 102 or consent of instructor. Spring semester, alternate years. Not offered in 1974-75.

311, 312 History of England — 3 credits
First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1803. Second semester: Great Britain from the seventeenth century to the present. Each semester, alternate years. Not offered in 1974-75.

313, 314 History of Russia — 3 credits
First semester: Survey of the origins and development of the Kievan and Muscovite states to the eighteenth century. Second semester: A study of the major cultural and economic institutions as well as the growth of political power by the state from the eighteenth century to the present. HY-102, HY-103 recommended. Either semester, alternate years.

315, 316 History of the Far East — 3 credits
A survey of the major powers of the Orient — their internal political and cultural development. Either semester, alternate years. Not offered in 1974-75.

319 Ancient Greece — 3 credits
A study of the political, social, and cultural development from the Cretan civilization through the Hellenistic period, with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: HY-101 or consent of instructor. Fall semester, alternate years.

320 Ancient Rome — 3 credits
Political, social and cultural history from the Etruscans to the 5th century A.D., with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: HY-101, or consent of instructor. Spring semester, alternate years.
321 Medieval History — 3 credits
The political, economic and cultural development of Medieval Europe from the fifth to the fourteenth century. Prerequisite: HY-102 or consent of instructor. Suggested additional preparation: HY-101. Fall semester.

331 Islamic Civilization — 3 credits
A history of the people, institutions and cultural of the Near and Middle East from Muhammed to the decline of the Ottoman and Safavid empires in the eighteenth century. Prerequisite: Upper Division standing. Fall semester, alternate years.

332 Islamic Empires — 3 credits
A history of the Near and Middle East during the Nineteenth and Twentieth Centuries; the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. Prerequisite: HY 10c recommended. Spring semester, alternate years.

334g United States Social and Cultural History — 3 credits
Selected social and cultural themes from colonial times to the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions and intellectual developments in their historical context. HY 151, 152 recommended. Either semester. Alternate years. Not offered in 1974-75.

335 Diplomatic History of the United States — 3 credits
Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended. Either semester. Alternate years.

336 United States Constitutional History — 3 credits
A study of origins, writing and development of the American Constitution, from colonial charters, through the Constitutional Convention, John Marshall, Civil War, Age of Industrial Development, Progressivism, World Wars, Cold War, and the Warren Court. Considerable emphasis is placed on the role of the Supreme Court. Prerequisite: HY 151, 152 or consent of instructor and upper division standing. Fall semester, alternate years. Not offered in 1974-75.

338 History of Ireland — 3 credits
The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue. Offered alternate years, either semester.

351 Colonial America — 3 credits
Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: HY-151 or consent of instructor. Fall semester.

352 The Federal Period, 1783-1815 — 3 credits
The United States from the end of the Revolution through the War of 1812. Emphasis on the government under the Articles of Confederation; drafting and implementing the Constitution, the rise of political parties; and the War of 1812. HY-151 recommended. Fall semester.

353 The National Era, 1815-1848 — 3 credits
The development of American nationalism, the Era of Good Feelings, the emergence of Jacksonian Democracy: Manifest Destiny, the beginnings of sectional rivalry, and the Mexican War. Prerequisite: HY 151 or consent of instructor. Fall semester.

354 Civil War and Reconstruction — 3 credits
A study of the origins of the conflict between the states, the encounter and the problems of reunification. Prerequisite: HY-151 or consent of instructor. Fall semester.

355 Western America — 3 credits
The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be given to the migration of people in the Trans-Mississippi West. HY-151 recommended. Either semester.

356 The Indian in American History — 3 credits
Examination of the Indian's role in America's development and the impact of white society on Indian culture. The course investigates early Indian-white contacts, the development of European rivalries in North America and the Indian's part in these rivalries, and the origins of United States Indian policy. The reservation system, land policy, termination, and the current Indian dilemma are studied. Opportunity is provided for the pursuit of in-depth individual study. Prerequisite: Upper Division standing or completion of HY-151-52. Either semester.

357 Idaho and the Pacific Northwest — 3 credits
Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. HY-151 recommended. Either semester.

358 Emergence of Modern America, 1877-1917 — 3 credits
The industrial growth of the United States; emergence as a world power: Roosevelt, Wilson, and the Progressive Era. Prerequisite: HY-152 or consent of instructor.

359 Recent United States, 1917 to Present — 3 credits
Versailles and post-war disillusionment: boom and bust of the 20's; the Great Depression and FDR's New Deal; reappearance on the world scene; World War II and its aftermath. HY-152 recommended. Spring semester.

360 Colonial Spanish America — 3 credits
The development of distinctive Spanish American societies through the merging of medieval Spanish with Amerind and African cultures in South and Middle America, all within the framework of European political rivalries. The course concludes with the independence wars of the early nineteenth century. Prerequisite HY-102. Fall semester.

361 Spanish American Nations — 3 credits
The struggle towards democracy, economic progress, and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relations with the United States. Prerequisite HY-367. Spring semester.

362 The Liberal Revolutions, 1776-1832 — 3 credits
The restructuring of western European societies towards political democracy and freedom of economic opportunity, particularly as accelerated by the French Revolution and Napoleon. Prerequisite: HY 102. Recommended additional preparation: HY 303. Spring semester, alternate years. Not offered in 1974-75.

363 History of Socialism — 3 credits
The course will examine the history of egalitarian revolutionary ideas and movements of the nineteenth and twentieth centuries. Emphasis will be given to the development of the ideas of Karl Marx, his predecessors and successors. Fall semester, alternate years. Not offered in 1974-75.

364 Twentieth Century Revolutions — 3 credits
The study of problems of the economic growth and the 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. Prerequisite: Principles of Economics, EC 201 and EC 202, or permission of instructor. May be taken for History or Economics credit, but not for both. Either semester.

365 United States Economic History — 3 credits
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. Prerequisite: Principles of Economics, EC 201 and EC 202, or permission of instructor. May be taken for History or Economics credit, but not for both. Either semester.

366 The History of the Course — 3 credits
The course will examine the history of egalitarian revolutionary ideas and movements of the nineteenth and twentieth centuries. Emphasis will be given to the development of the ideas of Karl Marx, his predecessors and successors. Fall semester, alternate years. Not offered in 1974-75.

367 Colonial Spanish America — 3 credits
The development of distinctive Spanish American societies through the merging of medieval Spanish with Amerind and African cultures in South and Middle America, all within the framework of European political rivalries. The course concludes with the independence wars of the early nineteenth century. Prerequisite HY-102. Fall semester.

368 Spanish American Nations — 3 credits
The struggle towards democracy, economic progress, and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relations with the United States. Prerequisite HY-367. Spring semester.

369 Recent United States, 1917 to Present — 3 credits
Versailles and post-war disillusionment: boom and bust of the 20's; the Great Depression and FDR's New Deal; reappearance on the world scene; World War II and its aftermath. HY-152 recommended. Spring semester.

370 Colonial Spanish America — 3 credits
The development of distinctive Spanish American societies through the merging of medieval Spanish with Amerind and African cultures in South and Middle America, all within the framework of European political rivalries. The course concludes with the independence wars of the early nineteenth century. Prerequisite HY-102. Fall semester.

371 Spanish American Nations — 3 credits
The struggle towards democracy, economic progress, and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relations with the United States. Prerequisite HY-367. Spring semester.

417 United States Economic History — 3 credits
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. Prerequisite: Principles of Economics, EC 201 and EC 202, or permission of instructor. May be taken for History or Economics credit, but not for both. Either semester.

420 The Liberal Revolutions, 1776-1832 — 3 credits
The restructuring of western European societies towards political democracy and freedom of economic opportunity, particularly as accelerated by the French Revolution and Napoleon. Prerequisite: HY 102. Recommended additional preparation: HY 303. Spring semester, alternate years. Not offered in 1974-75.

421 History of Socialism — 3 credits
The course will examine the history of egalitarian revolutionary ideas and movements of the nineteenth and twentieth centuries. Emphasis will be given to the development of the ideas of Karl Marx, his predecessors and successors. Fall semester, alternate years. Not offered in 1974-75.

425 Twentieth Century Revolutions — 3 credits
Reading and discussion of materials related to the origin and development of selected socio-cultural, intellectual, political and economic movements in the twentieth century, particularly as they relate to alternative and counter-culture proposals and liberation issues. Spring semester, alternate years. Not offered in 1974-75.

498 History Seminar — 2 credits
Study of a selected problem in history. Paper based on research into problem to be prepared and reported to the seminar. Required for History Major. Liberal Arts option. recommended for History Major. Secondary Education option. Prerequisite: Senior standing. Either semester.
The objective of the department of home economics is to provide training of high quality for each of the student categories listed below.

A. Students who expect to obtain a baccalaureate degree with a major in home economics but who will be required to transfer to another school to complete their upper division training.

B. Students from other disciplines who choose to minor in home economics. Twenty-six hours of credit in home economics may be earned and applied to one's minor.

C. Students from other disciplines who will benefit from courses in home economics, such as students in Fashion Merchandising, Nursing and Interior Decorating.

D. Students who appreciate the wide offering of subject matter in home economics and can enjoy the opportunities for creative activity provided in selecting electives from this field.

E. Students who are interested in preparation for homemaking as a career.

F. Students who are not primarily interested in credit but in the development of skills, such as those enrolled in our night program.

The curriculum outlined is designed for those students who are interested in a professional career in home economics education, food management in commercial and educational institutions, nursery school education, consumer services relating to housing and equipment, community service organizations, clothing and textiles, or the cooperative Extension Service. Prior to registering, a student should, if possible, determine the school in which she will enroll for her upper division training so that registration can be made with the requirements of the prospective school in mind. Students whose interest is the development of understanding and skills which will contribute to the well-being of the individual, family and community are not required to register for laboratory science.

Course Offerings

HE HOME ECONOMICS

Lower Division

101 Introduction to Home Economics — 1 credit
   Designed to acquaint the freshman student with the field of home economics. Emphasis on opportunities in the professional fields, organization of program, choice of vocation, personal qualifications for living and working with people. One hour discussion each week. Fall semester.

103 Clothing — 3 credits
   Majors and non-majors. Designed for students interested in clothing construction and solution of individual fitting problems. Emphasis on current speed techniques. Basic, intermediate and advanced projects may be selected according to the student's creativity, ability and choice. Unusual media may be used such as leather. Total of five projects with approximate cost of $45.00. One hour lecture and two 3-hour laboratory periods per week. Fall semester.

107 Clothing Selection — 2 credits
   A study of the sociological and psychological foundations of clothing selection emphasizing principles of design as related to the individual's figure proportions, personality and need. Study of selection, purchase and care of ready-to-wear apparel, fabrics and accessories. Two lectures per week. Spring semester.

109 Textiles — 3 credits
   Relationship of raw materials, construction, and finish to quality and cost. Study of natural and synthetic textile fibers, yarns and fabrics; selection of appropriate fabrics for various uses, considering wearing qualities and care required. Two hours lecture and one 2-hour laboratory each week. Open to men and women. Spring semester.
SCHOOL OF ARTS & SCIENCES
Department of Mathematics

111 Fashion Analysis and Design — 2 credits
Recognition of fashion trends, basic silhouettes, lines, styles and details of garment construction. Creative expression in fabric interpretation and adaptation of costumes and accessories from period research and other sources. Two lectures each week. Fall semester.

201 Introduction to Foods — 3 credits
Basic principles of food preparation: consideration of factors which will affect quality, nutritive value and acceptability of foods. Laboratory experience in approved techniques of food preparation to yield products of standard quality. Two hours lecture and two 3-hour laboratory periods per week. Spring semester. Open to men and women.

203 House Planning — 3 credits
Basic considerations in house planning: planning for economy, comfort and beauty in house construction. Evaluation of housing and floor plans in terms of family needs, interior and exterior design, materials, financing, methods of construction. Housing in relation to the family and community. Three lectures each week. Open to men and women. Spring semester.

207 Nutrition — 3 credits
Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Three lectures each week. Open to all students. Fall semester.

Upper Division

303 Advanced Clothing, Tailoring — 3 credits
Basic principles used in garment construction applied through actual construction of a suit, coat or pants suit. At least one garment done using wool; other garment could be a choice between knit or woven fabric. Personal master pattern is developed for student for each garment. Common fitting problems are studied and solutions derived. Thorough study of interfacing and tailoring stitches discussed. Current sewing techniques emphasized for present day fabrics. Prerequisite: Clothing H.E. 103. Recommended: Textiles H.E. 109. Two 3-hour laboratories each week. Spring semester.

306 Home Furnishings and Interior Design — 3 credits
Color and design; selection and arrangement of furniture and furnishings, floor coverings, wall and window treatment, lighting, interior finishes, accessories, china, glass, and silver, flower arrangement. Three lectures each week. Open to men and women. Fall semester.

DEPARTMENT OF MATHEMATICS

Dr. Giles W. Maloof: Chairman
Professors: Maloof, Takeda
Associate Professors: Ekblaw, Hughes, Juola, Kerr, Lamet, Mech, Sulanke, Tucker, Ward, Winans, Young (J)
Assistant Professors: Anderson, Ferguson, Furuyama, Smartt
Emeritus: Buck

The Department of Mathematics provides two degree programs. The curriculum leading to the bachelor's degree in mathematics is designed for those students whose career interests involve the use of mathematics or who plan to attend graduate school. The curriculum in secondary education is designed to prepare the student to teach mathematics in secondary school and to meet Idaho teacher certification requirements.

REQUIREMENTS FOR MATHEMATICS MAJOR

Bachelor of Arts or Bachelor of Science Programs

I. Mathematics Degree:
1. College requirements for B.A. or B.S. degree, including electives.
2. Mathematics requirements
   Lower Division
   Calculus through M-206 or M-212
   M-124 (Digital Computer Programming)
   M-225 (Applied Fortran Programming) or M-226 (Assembler Language)
   Upper division mathematics: 27 or more credits
   One or more of:
   M-301 Linear Algebra (4)
   M-302 Intro. to Abstract Algebra (3)
   M-306 Number Theory (3)
   One or more of:
   M-314 Foundations of Analysis (3)
   M-406 Complex Variables (3)
   One or more of:
   M-361 Fundamentals of Statistics (4)
   M-362 Probability Theory (4)
   M-431-432 Probability and Statistics (6)
   Three or more semester courses, including a sequence, at the 400 level (9-12)
   M-406 or M-431-432 which may be used in specific area requirements are also allowed in satisfying the overall requirement of 27 upper division hours in mathematics.

   The particular mathematics courses used to satisfy the degree requirement may be chosen from specific courses in such areas of mathematics as: computer programming, applied mathematics, statistics, and theoretical mathematics. A degree program emphasizing one or more of these areas can be developed by the student with the assistance of his academic advisor.
Students interested in engineering can form a program leading to a Bachelor’s degree in mathematics. This program could include many of the upper division physics or engineering courses offered at B.S.C. and satisfy most of the mathematics requirements with application oriented mathematics courses.

A mathematics degree program can also be developed by those students interested in a computer-related career. This program would include many business courses, the courses needed for the mathematics major, and M-124, M-226 and M-451.

The equivalent of a Bachelor’s degree in statistics can be obtained by the student who is interested in statistics or in mathematical applications to business, biology, or physical science. This can be done through the proper selection of electives including M-431 and M-432.

For students preparing for graduate work in a mathematical field, both M-401-402 and M-411-412 are recommended. Additional courses should be selected with his advisor. A reading knowledge of at least one of French, Russian or German is highly desirable.

II. Secondary Education Degree

1. College requirements for B.A. or B.S. degree, including electives.
2. Mathematics requirements
   - Calculus through M-206 or M-212
   - M-124 (Digital Computer Programming)

Upper division mathematics
- M-301 Linear Algebra (4)
- M-302 Intro. to Abstract Algebra (3)
- M-311 Foundations of Geometry (3)
- M-314 Foundations of Analysis (3) or M-406 Complex Variables (3)
- M-361 Fundamentals of Statistics (4) or M-362 Probability Theory (4) or M-431-432 Probability and Statistics (6)
- M-490 Mathematics in Secondary Schools (3)
3. Electives (Recommended: M-225, M-226, M-306, M-312)
4. Education Requirements (See Part V) 20 credits
   - M-490 counts as an education elective
5. A 45 semester hour major or a 30 semester hour major with a 20 semester hour minor.

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

### Course Offerings

**M. MATHEMATICS**

**Lower Division**

**012. Arithmetic Review — 0 credits**
Fundamental operations with real numbers, linear equations and stated problems. Review of elementary geometry and weights and measures including the metric system. For students with little or no algebra or geometry who want to review school mathematics. Each semester.

**020. Algebra Review — 0 credits**
A refresher course for students in education, engineering, science, or business. Algebra is covered from first fundamental operations through the level required for M-103, 105, 111 or 115. Each semester.

**100. A Cultural Approach to Mathematics — 4 credits**
Designed for liberal arts students. The course provides an opportunity to acquire an appreciation of the nature of mathematics and its relations to other aspects of our culture. The humanistic aspect of mathematics is emphasized to help cultivate creativity and abstract thought processes that are rigorous but not rigid. Prerequisite: A year of high school mathematics, or consent of instructor. Each Semester.
SCHOOL OF ARTS & SCIENCES
Department of Mathematics

103-104 Modern Mathematics for Elementary Teachers — 3 credits
Fundamental concepts of mathematics including the study of place value and bases, arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometric principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor. Placement will also be determined by a test given on the first meeting of M-103. Each semester.

105 Fundamental Concepts of Mathematics — 4 credits
Sets, logic, basic analysis, matrices, linear programming, the simplex method, elementary game theory. Designed primarily for non-science students. Prerequisite: M-020 or two years of high school algebra, or one year of high school algebra and a satisfactory placement score. Placement will be determined by a test given on the first meeting of M-105 and by the ACT mathematics subscore. Each semester.

106 Fundamental Concepts of Mathematics — 4 credits
Calculus: introduction to probability and statistics, introductory ideas from Operations Research. Designed primarily for non-science students. Prerequisite: M-105 or M-111. Each semester.

111 Algebra and Trigonometry — 5 credits
Selected topics in college algebra together with plane geometry and calculus. Prerequisite: the passing of a placement test in algebra or a grade of "satisfactory" in M-020. Each semester.

112 Calculus and Analytic Geometry — 5 credits
Analytic geometry of the straight line, functions, limits, continuity, derivatives and algebraic functions with applications, definite and indefinite integrals with applications. Prerequisite: M-111 or the passing of a placement test in algebra and trigonometry. Each semester.

115-116 Mathematics for the Life Sciences — 5 credits
Designed primarily for students in the life sciences. Functions and their graphs, curve fitting, systems of equations, trigonometry of triangles, discrete state probability, calculus, continuous state probability, and statistics. Prerequisite: Two years of high school math, or equivalent, and satisfactory placement score. Placement to be determined by a test given on the first meeting of M-115 and by the ACT mathematics subscore. Each semester.

124 (EN-104) Digital Computer Programming — 2 credits
Course for engineering, science or mathematics majors to introduce programming principles and logic. Consideration given to input-out-put, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-106 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both M-124 and EN-104. Each semester.

205 Calculus and Analytic Geometry — 4 credits
Transcendental functions, methods of integration determinants, matrices and linear equations, analytic geometry of conics, polar and parametric equations. Prerequisite: M-112 or the passing of a placement test over the material of M-112. Each semester.

206 Calculus and Analytic Geometry — 4 credits
Solid analytic geometry, vectors, series, partial derivatives, multiple integrals, introduction to differential equations. Prerequisite: M-205. Each semester.

M-211-212 Accelerated Calculus — 5 credits each
Analytic geometry, functions, limits, differentiation and integration with applications; transcendental functions, methods of integration.

225 (EN-225) Applied Fortran Programming — 2 credits
A general course to illustrate advanced techniques in Fortran programming with applications drawn from engineering, physics, chemistry, geology and mathematics. Prerequisite: M-124 (EN-104) and M-205. Credit cannot be obtained for both M-225 and EN-225. Fall semester.

226 Assembly Language — 4 credits
Assembler language for the IBM System/360-370. Binary integer, floating point, and decimal arithmetic are considered. Other topics include the writing of subroutines, editing, looping and address modification. Non-academic applications are considered, and an introduction to RPG is included. Prerequisite: M-124 (EN-104) Spring semester.

301 Linear Algebra — 4 credits
Linear algebra, vector spaces and matrices. Prerequisite: M-206 or 212. Each semester.

302 Introduction to Abstract Algebra — 3 credits
Sets, Boolean algebra, integral domains, groups, fields, rings and ideals. Prerequisite: M-205 or 212. Spring semester.

306 Number Theory — 3 credits
Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M-205 or 212. Spring semester.

311 Foundations of Geometry — 3 credits
Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Prerequisite: M-205 or 212. Each semester.

312 Combinatorial Geometry — 3 credits
Study of geometry of curves and surfaces in Euclidean spaces, Maps, networks, topological equivalence of figures, Jordan Curve Theorem, topological spaces, metric spaces. Prerequisite: M-205 or 212. Spring semester.

314 Foundations of Analysis — 3 credits
Logic, Axiomatics, Sequences, Foundations of Calculus, Structure of the Real Numbers. Prerequisite: M-206 or 212. Each semester.

321 Advanced Engineering Mathematics — 4 credits
Ordinary differential equations with emphasis on closed form and series solutions, transform methods and electrical and mechanical circuit differential equations. Fourier series and harmonic analysis. Vector calculus with line and surface integrals. Prerequisite: M-206 or 212. Each semester.

331 Differential Equations — 4 credits
Ordinary and partial differential equations with applications to physical sciences and engineering. Emphasis on numerical methods for solution. Prerequisites: M-124 (EN-104) and M-206. Recommended M-225 (EN-225) or M-126. Fall semester.

340 Numerical Analysis — 4 credits
The application of numerical methods, to interpretation and analysis of data, general iterative methods, approximation of functions, error analysis; solution of equations with the implementation of computer programming. Fortran programming will be utilized. Prerequisite: M-124 (EN-104), M-206 or 212. Spring semester.
DEPARTMENT OF MUSIC

Wilber Elliott, Chairman; Donald Oakes, Associate Chairman

Professors: Best, Bratt (C.G.), Meyer
Associate Professors: Elliott, Taylor
Assistant Professors: Baldwin, Bratt (J. W.), Cleveland, Hopper, Hsu, Oakes, Russell, Shelton
Emeriti: Forster, Marshall, Mitchell
Special Lecturers: Blood (piano), C. Elliott (voice), Henry (brass), W. Hsu (strings), Mamerow (reeds), Moore (piano), Norell (flute), Shink (bassoon), Simons (introduction to music), Thomerson (guitar)

Gifts and Memorials to the Music Department

The Music Department has been the recipient of many fine gifts of instruments, music, and record collections from friends and supporters of the Department. In the Music Auditorium is housed the J. W. Cunningham Memorial Pipe Organ, a three-manual Austin organ of 45 ranks and 56 registers, given to the College by Laura Moore Cunningham. It is used for concert, teaching, and practice purposes. Also in the Auditorium is the console for the Harry W. Morrison Memorial Carillon, built by Maas-Rowe. Given as a memorial to her husband by Mrs. Velma Morrison, the Grand Symphony Carillon system chimes the hours and half-hours and twice daily plays a short program of carillon music. A familiar but unusual gift, seen in area parades and at home football games, is the BSC calliope, given by Mr. Michael A. Compton.

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

Dr. and Mrs. Robert deNeufville
Alice Gould
Dr. and Mrs. Arthur C. Jones
Senator Len Jordan
Bryant S. Martineau
Marjorie Palmquist
Mr. and Mrs. Edward Utley
Mrs. Elie Weston

REQUIREMENTS FOR MUSIC MAJOR

Bachelor of Arts Program

A. Completion of general college requirements for the Bachelor of Arts degree as found on pages 30-33 of the catalog.

B. Minimum Music Requirements:
   Performance Studies .......................................................... 8
   Beginning and Advanced Harmony ...................................... 12
   Beginning and Advanced Ear Training ................................... 4
   Music History/Literature Courses ........................................ 6
   Ensemble ........................................................................ 4
   Concert Class (each semester) ............................................. 0
   Performance, Theory, Music Education or General Music Electives ........................................ 10
   Senior Recital* or Senior Project ** ...................................... 1
   Total ........................................................................... 45

* Senior Recital option requires approval of the student’s private instructor. Senior Recital (MA-444) requires a minimum of 3 years of study or equivalent in the area prior to enrolling.
** An Independent Study terminal project under faculty supervision and with the approval of the Department Chairman in the areas Theory, Music History/Literature, or Music Education.
MUSIC MINOR

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

MUSIC MAJOR IN PERFORMANCE, THEORY-COMPOSITION, AND MUSIC EDUCATION

Bachelor of Music Program

1. The Bachelor of Music Degree (Performance and Theory-Composition Emphasis) is designed to train performers and composers and performing artist teachers. It is the basic degree for preparing students for graduate work in the performing and creative fields as well as teaching at the college and university level. It is essentially a professional degree.

2. The Bachelor of Music Degree (Music Education Major) is designed to prepare students for teaching careers in the secondary and elementary educational systems. It also prepares the students for graduate work in Music Education.

3. All full-time music students will be required to attend Concert Class during each semester of residency at Boise State College. (See course description on page 72 for complete details.) Also, all students registered for any M.A. Performance Study course will perform before a faculty jury at the end of each semester. Students presenting MA-444, 445, or 446 recitals which the recital is given.

4. All Bachelor of Music non-keyboard majors, no later than the end of the Junior year, are required to pass one of the levels in the Piano Proficiency examination before a faculty committee. The particular level is determined by the student's major. A grade of C or better in MU213 will meet levels I and II requirements for Music Education Majors. Details are available from the Music Department.

5. All Bachelor of Music Majors are required to register for one of the three major ensembles (band, choir, or orchestra) each semester (a minimum total of 8 credits over 4 years of normal full-time study). Other ensembles may be taken as electives in addition to the major ensembles. Piano majors may count up to 4 credits of Accompanying (ME-180, 380) toward this requirement.

6. The following Core of Music Courses will be included in all Bachelor of Music curricula:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concert Class (Attendance required each semester of residency — see page 71 for details)</td>
<td>0</td>
</tr>
<tr>
<td>Beginning and Advanced Harmony and Ear Training (L.D.)</td>
<td>16</td>
</tr>
<tr>
<td>Basic Conducting (L.D.)</td>
<td>1</td>
</tr>
<tr>
<td>Ensemble</td>
<td>8</td>
</tr>
<tr>
<td>Elements of Form (Upper Division)</td>
<td>3</td>
</tr>
<tr>
<td>Music History Courses (Upper Division — 3 credits will count toward Area I Requirements; see page 33)</td>
<td>12</td>
</tr>
</tbody>
</table>

I. Performance Emphasis Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General College and Basic Core Requirements (including 3 credits of Music History in Area I)</td>
<td>31-34</td>
</tr>
<tr>
<td>2. Music Requirements:</td>
<td></td>
</tr>
<tr>
<td>A. Music Core</td>
<td>40</td>
</tr>
<tr>
<td>B. Lower Division Performance Studies</td>
<td>16</td>
</tr>
<tr>
<td>C. Upper Division courses</td>
<td>29</td>
</tr>
<tr>
<td>Performance Studies</td>
<td>16</td>
</tr>
<tr>
<td>Keyboard Harmony and Basic Improv</td>
<td>4</td>
</tr>
<tr>
<td>Counterpoint</td>
<td>4</td>
</tr>
<tr>
<td>Choral or Instrumental Conducting</td>
<td>1</td>
</tr>
<tr>
<td>Advanced Form and Analysis</td>
<td>2</td>
</tr>
<tr>
<td>Senior Recital</td>
<td>2</td>
</tr>
<tr>
<td>3. Electives</td>
<td></td>
</tr>
<tr>
<td>a. Organ Majors must include MU 413-414, 4 cr.</td>
<td></td>
</tr>
<tr>
<td>b. Voice Majors must include 1 semester of MU 147, 1 credit</td>
<td></td>
</tr>
<tr>
<td>c. Other electives may be chosen from any area</td>
<td></td>
</tr>
<tr>
<td>Total: 128</td>
<td></td>
</tr>
</tbody>
</table>

II. Theory-Composition Emphasis Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General College and Basic Core Requirements (including 3 credits of Music History in Area I)</td>
<td>31-34</td>
</tr>
<tr>
<td>2. Music Requirements:</td>
<td></td>
</tr>
<tr>
<td>A. Music Core</td>
<td>40</td>
</tr>
<tr>
<td>B. Lower Division Courses</td>
<td>16</td>
</tr>
<tr>
<td>Performance Major Studies</td>
<td>8</td>
</tr>
<tr>
<td>Performance Minor Studies (To be piano, unless major is a keyboard instrument)</td>
<td>8</td>
</tr>
<tr>
<td>C. Upper Division Courses</td>
<td>32</td>
</tr>
<tr>
<td>Performance Major Studies</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Form and Analysis</td>
<td>2</td>
</tr>
<tr>
<td>Band and Orchestra Arranging</td>
<td>4</td>
</tr>
<tr>
<td>Canon and Fugue</td>
<td>2</td>
</tr>
<tr>
<td>Choral and Instrumental Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Continuo Realization and Improv</td>
<td>4</td>
</tr>
<tr>
<td>Counterpoint</td>
<td>4</td>
</tr>
<tr>
<td>Keyboard Harmony and Basic Improv</td>
<td>4</td>
</tr>
<tr>
<td>Music Composition</td>
<td>4</td>
</tr>
<tr>
<td>Senior Composition Recital or Music Seminar</td>
<td>2</td>
</tr>
<tr>
<td>3. Electives (Any Area)</td>
<td>9-12</td>
</tr>
<tr>
<td>Total: 128</td>
<td></td>
</tr>
</tbody>
</table>

III. Music Education Emphasis Requirements

(Fulfillment of the requirements below will qualify the student for Idaho State Certification in Secondary Schools and as an Elementary School Music Specialist.)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General College and Basic Core Requirements (including 3 credits of Music History in Area I)</td>
<td>31-34</td>
</tr>
<tr>
<td>2. Music Requirements:</td>
<td></td>
</tr>
<tr>
<td>A. Music Core</td>
<td>40</td>
</tr>
<tr>
<td>B. Lower Division Courses</td>
<td>14</td>
</tr>
<tr>
<td>Performance Major Studies</td>
<td>8</td>
</tr>
<tr>
<td>Functional Piano</td>
<td>2</td>
</tr>
<tr>
<td>Instrumental Techniques &amp; Methods</td>
<td>4</td>
</tr>
<tr>
<td>C. Upper Division Courses</td>
<td>23</td>
</tr>
<tr>
<td>Performance Major Studies</td>
<td>8</td>
</tr>
<tr>
<td>Band &amp; Orchestra Methods &amp; Materials</td>
<td>2</td>
</tr>
<tr>
<td>Band Arranging</td>
<td>2</td>
</tr>
<tr>
<td>Choral and Instrumental Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Choral Methods and Materials</td>
<td>2</td>
</tr>
<tr>
<td>Instrumental Techniques and Methods</td>
<td>4</td>
</tr>
<tr>
<td>Public School Music</td>
<td>2</td>
</tr>
<tr>
<td>One-half Senior Recital</td>
<td>1</td>
</tr>
<tr>
<td>D. Education School Requirements</td>
<td>12</td>
</tr>
<tr>
<td>(General Psych — Area II)</td>
<td>(3)</td>
</tr>
<tr>
<td>(Educational Psych — Area II)</td>
<td>(3)</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods</td>
<td>3</td>
</tr>
<tr>
<td>Practice Teaching</td>
<td>6</td>
</tr>
<tr>
<td>3. Electives (Any Area)</td>
<td>8-11</td>
</tr>
<tr>
<td>Total: 128</td>
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</table>
### MUSIC EDUCATION MAJORS

(Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
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<tbody>
<tr>
<td>General Psychology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>English Composition</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Beginning Harmony</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Beginning Ear Training</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Performance Major</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Methods and Techniques</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Concert Class</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total credits:</strong></td>
<td>16</td>
<td>14</td>
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</table>

<table>
<thead>
<tr>
<th>SOPHOMORE YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Harmony</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Advanced Ear Training</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Performance Major</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Functional Piano</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Basic Conducting</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Ensemble</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Methods and Techniques</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Music History</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Orientation to Music Education</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Concert Class</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total credits:</strong></td>
<td>17</td>
<td>17</td>
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<table>
<thead>
<tr>
<th>JUNIOR YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Music History</td>
<td>1</td>
<td>2</td>
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<tr>
<td>Conducting</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Performance Major</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ensemble</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Band and Orchestra Methods</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Methods and Techniques</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td>2</td>
</tr>
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<td>Concert Class</td>
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### Course Offerings

#### MA MUSIC APPLIED — PERFORMANCE STUDIES

**Major Area practice requirements:**
- For 4 hrs. credit—12 hrs. practice per week.
- For 2 hrs. credit—6 hrs. practice per week.

**Minor Area practice requirements:**
- For 2 hrs. credit—6 hrs. practice per week.

**010 Concert Class** — no credit

The class meets weekly. Required of all full-time Music Majors and Minors, but attendance is open to any person. Minimum attendances per semester: 10 sessions for all Music Majors; 6 sessions for all Music Minors. As a part of this course, attendance at a minimum of 5 Music Department-sponsored, on-campus concerts/recitals is required. Participation in the concert/recital will not constitute attendance for meeting this requirement. Each semester.

Students planning to enroll in upper division performance studies (MA-300 levels) must have completed two years or equivalent of the lower division level and must have passed the Junior Standing Proficiency Exams for those studies. All MA courses may be repeated for credit. Students transferring into the Music Department as music majors from some other college, university, or conservatory, or from another department within the school and requesting advanced standing in performance must successfully complete a performance examination before a faculty jury prior to the possible granting of such advanced standing. Details may be obtained from the music office.

**Strings**
- 171, 371 Violin — 2 credits
- 172, 372 Violin — 4 credits
- 161, 361 Viola — 2 credits
- 162, 362 Viola — 4 credits
- 121, 321 Cello — 2 credits
- 122, 322 Cello — 4 credits
- 123, 323 String Bass — 2 credits
- 124, 324 String Bass — 4 credits
- 125, 325 Guitar — 2 credits
- 126, 326 Guitar — 4 credits

**Brass**
- 109, 309 Applied Brass — 2 credits
- 110, 310 Applied Brass — 4 credits
- 111, 311 Horn — 2 credits
- 112, 312 Horn — 4 credits
- 113, 313 Trombone — 2 credits
- 114, 314 Trombone — 4 credits
- 115, 315 Trumpet (or Baritone) — 2 credits
- 116, 316 Trumpet (or Baritone) — 4 credits
- 117, 317 Tuba — 2 credits
- 118, 318 Tuba — 4 credits

**Woodwinds**
- 189, 389 Applied Woodwinds — 2 credits
- 190, 390 Applied Woodwinds — 4 credits
- 191, 391 Bassoon — 2 credits
- 192, 392 Bassoon — 4 credits
- 193, 393 Clarinet — 2 credits
- 194, 394 Clarinet — 4 credits
- 195, 395 Flute — 2 credits
- 196, 396 Flute — 4 credits
- 197, 397 Oboe (or English Horn) — 2 credits
- 198, 398 Oboe (or English Horn) — 4 credits
- 199, 399 Saxophone — 2 credits
- 200, 400 Saxophone — 4 credits

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SCHOOL OF ARTS & SCIENCES
Department of Music
ME MUSIC, ENSEMBLE

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

101, 301 College Singers—1 credit
A general chorus open to all college students. No audition is necessary. Major choral works from all periods will be sung. Concurrent enrollment in ME 105, 305 prohibited. Maximum credits: ME 101 and/or ME 301, 8 cr. Each semester.

105, 305 Meistersingers—1 credit
Essentially a course in unaccompanied singing which is open to all college students. The Meistersingers is the concert-choir of the College. Concurrent enrollment in ME 101, 301 is prohibited. Prerequisite: Enrollment is by audition and Music Department approval. Maximum credits: ME 105, and/or ME 305, 8 cr. Each semester.

110, 310 Vocal Ensemble—1 credit
A course designed to promote participation in and repertoire knowledge of music for small vocal ensembles. Literature will include music of all periods. Varying groups will be established as demand warrants. A public performance can be expected each semester. Prerequisite: Permission of instructor and concurrent enrollment in ME 101, 301 or ME 105, 305. Maximum credits: ME 110, and/or ME 310, 8 cr. Each semester.

120, 320 Band—1 credit
An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 320, 8 cr. Each semester.

125, 325 Brass Ensemble—1 credit
A course designed to promote playing in and increasing repertoire knowledge of brass ensembles. A public performance is required each semester. Maximum credits: ME 125, and/or ME 325, 8 cr. Prerequisite: permission of instructor. Each semester.

126, 326 Jazz Ensemble—1 credit
A course designed to promote playing in and repertoire knowledge of jazz ensemble. Includes performance of Dixieland, be-bop, swing, big-band jazz, rock, and contemporary concert jazz. Class rehearsals will include study and discussion of problems of rhythm, notation, improvisation, ear training, and chord construction in jazz. A public performance will be required each semester. Prerequisite: consent of instructor. Maximum credits: ME-126, and/or ME-326, 8 cr. Each semester.

130, 330 Woodwind Ensemble—1 credit
A course designed to promote playing in and increasing repertoire knowledge for small woodwind ensembles. A public performance is required each semester. Maximum credits: ME 130, and/or ME 330, 8 cr. Prerequisite: permission of instructor. Each semester.

140, 340 Percussion Ensemble—1 credit
A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Prerequisite: consent of instructor. Maximum credits: ME-140 and/or ME-340, 8 cr. Each semester.

150, 350 Orchestra—1 credit
The Boise State College Community Symphony is composed of students and experienced musicians of the community and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150 and/or ME 350, 8 cr. Each semester.

160, 360 String Ensemble—1 credit
A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. Maximum credits: ME 160, and/or ME 360, 8 cr. Prerequisite: permission of instructor. Each semester.

180, 380 Accompanying—1 credit
Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum credits: ME 180 and/or ME 380, 8 cr. Each semester.
MU MUSIC, GENERAL

Lower Division

101 Music Fundamentals — 2 credits
Primarily for Education Department students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys. major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced. A remedial course for music majors. Each semester.

111 Beginning Harmony — 3 credits
The study of harmony through its evolutionary-historical approach: elementary sixteenth-century 2-part counterpoint through the five species in the ancient church modes; 3-part chordal harmony within the modes. Prerequisite: Students enrolling (1) must have passed the pre-harmony exam and (2) concurrently enroll in piano or be able to pass the piano proficiency exam for their major area (see page 40, No. 4). Fall semester.

112 Beginning Harmony — 3 credits
The 4-part contrapuntal-harmonic style of J. S. Bach through the seventh chord including non-chord tones and modulation to near related keys. Prerequisite: MU 111 Beginning Harmony. Spring semester.

121-122 Beginning Ear Training — 1 credit
A course designed to correlate with Beginning Harmony MU-111 and MU-112 and which emphasizes auditory training in scales (including the modes and major and minor) and all intervals. The course includes drill in solfeggio and sight singing leading up to aural recognition of 3-part and 4-part harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Beginning Harmony, MU-111 and MU-112. Fall-Spring semesters.

147 Survey of Opera and Music Theatre — 1 credit
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. Meets twice a week. Fall semester.

211-212 Advanced Harmony — 3 credits
This course completes the study of the contrapuntal-harmonic techniques used in the Bach Chorales begun in Beginning Harmony. Added to harmonic materials already studied are the uses of altered chords, including the augmented sixth chords and Neapolitan sixth, non-chord tones and remote modulations. The student is expected to harmonize chorale melodies in the style of J. S. Bach by the time the course is completed. Most of the second semester will be used in the study of chords used since Bach and in establishing a foundation for writing in a contemporary style. Prerequisite: Beginning Harmony MU-111 and MU-112. Fall-Spring semesters.

213 Functional Piano — 2 credits
Class instruction for Music Education majors; designed to build fundamental keyboard skills through scales, chords, arpeggios and other studies. Building of a repertoire of songs and the learning of a variety of chording techniques useful in teaching classroom music. Prerequisite: Beginning Harmony 111-112. One year of piano study recommended prior to enrollment. May be repeated once for credit. Each semester.

221-222 Advanced Ear Training — 1 credit
A continuation of Beginning Ear Training; the student will take dictation in more advanced rhythms, solfeggio and dictation in two, three, and four parts. Students will be expected to play at the keyboard, the more simple forms of the basic chords in four parts. Prerequisite: Beginning Harmony MU-111 and MU-112. Beginning Ear Training MU-121 and MU-122, and at least one year of piano, or concurrent piano study. Fall-Spring semesters.

Upper Division

257 String Instrument Techniques and Methods — 2 credits
Primarily for Music Education Majors, this course deals with methods and materials of string class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello, and string bass. 1 hour lecture, 2 hours lab per week. Fall semester.

261 Basic Conducting — 1 credit
Fundamental techniques of conducting: baton fundamentals, group psychology, rehearsal techniques, and simple score reading. Meets twice a week. Prerequisite: Beginning Harmony and Ear Training MU 111-112 and MU 121-122. Either semester.

266 Woodwind Techniques and Methods — 2 credits
Primarily for Music Education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments. Meets three times per week. Fall semester.

271 Orientation to Music Education—1 credit
A look at school music programs to include all levels, primary through secondary programs. Meets twice a week — one lab period and one formal class period. Lab period will be visitation in public schools. Either semester.

Upper Division

305 History and Literature of the Romantic Era — 3 credits
Study and consideration of representative musical works from Schubert and Beethoven to Mahler and Richard Strauss. The relationship of these works to parallel movements in literature and the other arts. Prerequisite: Beginning Harmony MU 111-112. Fall semester.

306 History and Literature of the Twentieth-Century — 3 credits
Styles and characteristics of music from the last decades of the previous century to the present. Works from Mahler and Debussy to recent developments in aleatoric and electronic music; consideration of jazz and other recent influences in American music. Prerequisite: Beginning Harmony MU 111-112. Spring semester.

307 History and Literature of the Medieval and Renaissance Eras — 3 credits
The analysis of the development of Western music from Greek theory and its cultural roots through Palestrina and his contemporaries. Consideration of the music of these periods as artistic entities and foundations for subsequent expression. Prerequisite: Beginning Harmony MU 111-112. Fall semester.

308 History and Literature of the Baroque and Classical Eras — 3 credits
Development of understanding of styles and characteristics of music of these periods through score reading, listening, analysis and discussion. Works from the Gabriels through Haydn and Mozart. Prerequisite: Beginning Harmony MU 111-112. Spring semester.

313-314 Keyboard Harmony and Basic Improvisation — 2 credits
The student will learn to play in strict four-part harmony from figured basses and melodies, from unfigured basses and melodies, to modulate, to play familiar tunes in four parts in various keys and be instructed in the basic materials for improvising at the piano and organ. Prerequisite: Beginning Harmony MU-111 and MU-112, and Beginning Ear Training MU-121 and MU-122 for students majoring in piano or organ. For non-keyboard majors, the student must have had one to two years piano study. Fall-Spring semesters.
321-322  Counterpoint — 2 credits
A study of the 16th century composition techniques. The C clefs will be used and the student will write in two, three, and four parts, using the five classic species of counterpoint. If time permits the writing will be extended to include five and six parts and original compositions in the style. Prerequisite: Advanced Harmony MU-211, 212. Completion of MU-221 and MU-222 is desirable. Fall-Spring semesters.

345  Opera Theatre — 1 credit
A course in the study and production of operas. Permission of instructor required to register for course. Maximum 4 credits. Each semester.

365  Choral Conducting — 1 credit
A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. Meets twice a week. Prerequisite: Basic Conducting MU-261. Fall semester.

366  Instrumental Conducting — 1 credit
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. Meets twice a week. Prerequisite: Basic Conducting MU-261. Spring semester.

368  Percussion Techniques and Methods — 2 credits
Primarily for Music Education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques. Meets three times per week. Spring semester.

369  Brass Techniques and Methods — 2 credits
Primarily for Music Education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments. Meets three times per week. Spring semester.

371  Public School Music — 2 credits
Materials, methods and problems relating to classroom music in grades one through six. Prerequisite: Music Fundamentals MU-101 or equivalent. Each semester.

385  Choral Methods and Materials — 2 credits
Designed for Music Education majors who will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups. Meets three times a week. Prerequisite: Basic Conducting MU-261 prior to enrollment and Choral Conducting MU-361 prior or concurrent to enrollment. Spring semester.

387  Band and Orchestra Methods and Materials — 2 credits
The study of the organization and administration of bands and orchestras at the secondary school level; includes equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments. Fall semester.

409  Elements of Form — 3 credits
Elements of form from both design and harmonic structure standpoints. Detailed analysis of the phrase and the simpler binary and ternary forms; cursory examination of larger forms. Prerequisite: Advanced Harmony MU-211-212. Fall semester.

410  Advanced Form and Analysis — 2 credits
Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. Prerequisite: Elements of Form MU-409. Spring semester.

413-414  Continuo Realization and Improvisation — 2 credits
Designed especially for organists and composition majors; other students may enter by permission of instructor. Special attention will be given to improvising the harmonies from the figured basses in the choral scores of the Baroque Period. Original work in improvisation will also be stressed. Prerequisite: Keyboard Harmony and Basic Improvisation MU-313 and MU-314. Fall-Spring semesters.

421  Canon and Fugue — 2 credits
An analytical study of the formation of canons and fugues. The student will study and write canons and canonic devices at all intervals. Fugal expositions, and complete fugues will be studied and written in three and four voices. Prerequisite: Advanced Harmony MU-211 and MU-212, and Counterpoint MU-321 and MU-322. Either semester.

455  Band Arranging — 2 credits
Required of majors in Music Education and in theory and Composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. Prerequisite: Advanced Harmony MU-211-212. Fall semester.

456  Orchestra Arranging — 2 credits
Required of Theory and Composition majors but open to other students who can qualify. A study of scoring and notation for strings and for voices in various combinations with primary emphasis on the orchestra. Prerequisite: Band Arranging MU-455. Spring semester.

461, 462  Piano Pedagogy — 1 credit
Teaching problems at all levels, appraisal of new literature, and the study of grading sequences for the piano teacher. Examples in performance and interpretation and surveys of various methods and other teaching materials. Open to prospective or current piano teachers with consent of instructor. Fall, Spring semesters.

498  Music Seminar — 2 credits
A Seminar project under faculty direction. Prerequisite: Senior standing. Either semester.
The following curriculum is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS degree in engineering is 4 years and the following program is designed to do this along with 2 years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take 4 1/2, 5 years or more to earn the degree. Therefore, a convenient option based on 3 years at BSC followed by 1 1/2 years at Idaho U. is available and students may consult an engineering advisor about this program. This 5-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than University of Idaho to complete their degree.

### COMMON FRESHMAN YEAR:

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<td>Introduction to Chemistry (C-101-102)</td>
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<td>Calculus and Analytic Geometry (M-112-205)</td>
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<td>Engineering Fundamentals (EN-107-108)</td>
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<td>Digital Computer Programming (EN-104)</td>
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<td>Physics I (PH-220)</td>
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### COMMON SOPHOMORE YEAR:

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<td>&quot;Electricity and Magnetism Lab (EN 224)</td>
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<td>Introduction to Mechanics (EN-205)</td>
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<td>Introduction to Electrical Engineering (EN-221)</td>
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<td>Calculus and Analytic Geometry (M-206)</td>
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<td>Advanced Engineering Math (M-321)</td>
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*Electrical Engineers taking EN 223 will not take EN 224 (PH 224). All other branches will take EN 224.

**During first semester, Chemical Engineers substitute C-217, Civil Engineers substitute EN-215.

### Branch Variations:

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<td>Civil Engineering</td>
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<td>Dynamics of Rigid Bodies (EN-206)</td>
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<td>Engineering Measurements (EN-216)</td>
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<td>Humanistic Social Elective</td>
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</table>

**Electrical Engineers taking EN 223 will not take EN 224 (PH 224). All other branches will take EN 224.**
SCHOOL OF ARTS & SCIENCES
Department of Physics, Engineering and Physical Science

JUNIOR YEAR
Three Junior level Engineering Science courses (EN 301 Fluid Mechanics, EN 306 Mechanics of Materials, and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in mathematics, science, humanities, and social sciences, make it feasible for many students to complete a third year before transferring. Consult an engineering staff advisor for details.

PHYSICS
A Baccalaureate Degree is not yet offered in Physics. However, with the PH-220 through PH-224 series, three upper division Physics courses, related Mathematics courses and required Humanities and Social Science courses, a student could complete 2 or 3 years at BSC before transferring elsewhere to complete degree requirements in physics. As mathematics serves such a fundamental role in physics, the interested student may wish to follow the applied mathematics option for a bachelor's degree in mathematics. (Refer to Requirements for Mathematics Major.)

ARCHITECTURAL DESIGN
Boise State College does not offer an architectural program. Below is a list of basic courses all of which would transfer to an Architectural School. A profitable 1 to 1 1/2 years could be made up of these courses preparatory to transfer. Some colleges offer a degree in Architectural Engineering. If interested in this type of degree the student should follow the Civil option under Engineering Curriculum.

A basic course of technical drawing procedures for those with little or no high school or work experience background in this area. Covers lettering, use of drawing instruments, geometric construction, orthographic projections, sectioning, dimensioning, pictorial drawings, working drawings and graphic solution of point line and plane problems. Two 2-hour lecture laboratory periods per week. Each semester.

EN ENGINEERING

Course Offerings

EN ENGINEERING

Lower Division

101 Technical Drawing — 2 credits
A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. One lecture and one 3-hour lab. Prerequisite: M-205. Each semester.

104 (M-125) Digital Computer Programming — 2 credits
Course for engineering, science or mathematics majors to introduce Fortran programming principles and logic. Consideration given to input-output, flowcharting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-106. M-111 or M-115 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both EN 104 and M 125. Each semester.

107-108 Engineering Fundamentals — 2 credits
An integrated course covering and relating such topics as professional and social responsibilities of the engineer, engineering computations, graphics and introduction to the design process. Two 2-hour lecture labs. Student should have a minimum mathematics background equal to M-111. Each semester.

205 Introduction to Mechanics — 3 credits

206 Dynamics of Rigid Bodies — 2 credits
Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. Prerequisite: EN 205. Spring semester.

215 Basic Surveying — 2 credits
A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. One lecture and one 3-hour lab. Prerequisite: M-111 or equivalent. Fall semester.

216 Engineering Measurements — 2 credits
Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurement. One lecture and one 3-hour lab. Prerequisite: EN 215. Spring semester.

221 Introduction to Electrical Engineering — 3 credits
Basic electrical theory for all engineering students. Covers both d.c. and a.c. circuits. Three lectures per week. Prerequisite: M-112. Fall semester.

223 Network Analysis — 4 credits
Deal with circuit analysis of advanced dc. and ac. circuit concepts including network theorems, frequency domain analysis and coupled circuit. Three recitations per week and one three-hour laboratory. Prerequisite: Introduction to Electrical Engineering EN-221. Spring semester.

224 (See PH 224)

225 (M 225) Applied Fortran Programming — 2 credits
A general course to illustrate advanced techniques in Fortran programming with applications drawn from engineering, physics, chemistry, geology and mathematics. Prerequisite: EN-104 and M-205. Credit cannot be obtained for both EN 225 and M 225. Fall semester.

Upper Division

301 Fluid Mechanics — 3 credits
Physical properties of fluids; fluid mechanics and measurements; viscous and turbulent flow; momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Three recitations per week. Prerequisites: Calculus M-206 and Intro to Mechanics: EN-205. Spring semester.
306 Mechanics of Materials — 3 credits
Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. Prerequisite: Intro to Mechanics EN 205 and Calculus M-206. Spring semester.

320 Thermodynamics and Heat Transfer — 3 credits
First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration; conduction and radiation. Three recitations per week. Prerequisites: Calculus M-206 and Physics II - Wave Motion and Heat PH 221. Fall semester.

PS PHYSICAL SCIENCE

PHYSICS

Lower Division

100 Foundations of Physical Science — 4 credits
Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-science majors. Three lectures and one laboratory experiment per week. Each semester.

PH PHYSICS

101-102 General Physics — 4 credits
Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the Bachelor of Arts and Bachelor of Science curricula, and may be taken by forestry, pre-dental and pre-medic students. Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigonometry or acceptable score on ACT Mathematics Subscore. Each semester.

103 Radiological Physics — 4 credits
A course designed primarily for those who are studying to be X-Ray or radiologic technicians. Topics covered will be fundamental physical units, energy, electricity and magnetism, atomic and nuclear physics, X-Ray production, radiation shielding and detection, radiography, isotopes, and health physics. Summer session.

105 Introduction to Descriptive Astronomy — 4 credits
A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Three lectures and one two-hour laboratory. One scheduled evening viewing session and several planetarium visits are required. A one-semester course for non-science majors. Each semester.

207 Introduction to Biophysics — 4 credits
A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. Three 1-hour lectures and two 2-hour labs. Prerequisite: It is recommended that the students have taken Math 111 or 115 or its equivalent.

220 Physics I — Mechanics — 3 credits
Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. Three 1-hour lectures and one 1-hour recitation per week. Corequisite: M 112. Either semester.

221 Physics II — Wave Motion and Heat — 3 credits
Wave motion on strings, sound and acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the first and second laws of thermodynamics. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH 220. Either semester.
DEPARTMENT OF POLITICAL SCIENCE

Dr. Willard M. Overgaard, Chairman
Professors: Overgaard, Wilson (D.)
Associate Professors: Donoghue, Skiltern
Assistant Professors: Cedar, Peterson
Instructors: Schoedinger

The program of the Department of Political Science is designed to provide the student with a knowledge of political values, of the American political system, of the political systems of other areas of the world, and of international politics and institutions; to provide an understanding of the interactions of institutions, groups, and the individual within the framework of the diverse political systems and political relationships; to develop a comprehension of the methodology relevant to the discipline of Political Science in the various substantive areas of concentration, including political philosophy, American governmental systems and processes, political behavior, comparative government and politics, international relations, and public law; to offer special concentration in the area of public administration.

The Department of Political Science seeks also to provide innovative opportunities to extend further the student's understanding of the political environment on the local, national, and international levels.

The Political Science program prepares students for careers in the various levels of government service, in teaching, in law, and in related professions. The undergraduate program prepares students for graduate study in Political Science and related disciplines. It also offers electives in support of major programs in other disciplines.

In addition to the several optional major programs in Political Science, the College offerings in the classical discipline of Philosophy are provided through the Department of Political Science.

REQUIREMENTS FOR POLITICAL SCIENCE MAJOR
Bachelor of Arts Program

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

I. Political Philosophy
II. American Governmental Systems and Processes
III. International Relations
IV. Public Administration

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

V. Political Science
   Social Science Secondary Education

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 101 Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
</tr>
<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 231 International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Seminar (Scope and Methods of Political Science)</td>
<td>2</td>
</tr>
</tbody>
</table>

(Not applicable to public administration area of emphasis.)

At least 3 Semester credits in Western Political Theory.

PO 441, PO 442 strongly recommended for all students with a major program in Political Science.

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

I. Political Science - Political Philosophy emphasis.

Political philosophy as an area of emphasis is designed to accommodate students whose principal interest in Political Science is the fundamental political thought, past and present, in the development of political institutions in society.

A. General College and Core Requirements.

B. Major Political Science Major Requirements (45 credits)

1. Lower Division Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 101 Federal Government</td>
<td>3</td>
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<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
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<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
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<tr>
<td>PO 231 International Relations</td>
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2. Upper Division Courses (33 credits)

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 301 American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 401 Constitutional Law</td>
<td>3</td>
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<tr>
<td>PO 431 American Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PO 441 Western Political Theory I</td>
<td>3</td>
</tr>
<tr>
<td>PO 442 Western Political Theory II</td>
<td>3</td>
</tr>
<tr>
<td>PO 451 Comparative Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Senior Seminar (Scope and Methods of Political Science)</td>
<td>2</td>
</tr>
</tbody>
</table>

Political Science electives (13 credits)

II. Political Science - American Governmental Systems Processes emphasis.

This area of emphasis is offered to students who wish to concentrate their attention on National, State, and local political institutions of the United States. The course requirements and electives in this area of emphasis seek to provide the student with an understanding of American government.

A. General College and Core requirements.

B. Political Science Major Requirements (45 credits)

1. Lower Division Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 101 Federal Government</td>
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<tr>
<td>PO 102 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
</tr>
<tr>
<td>PO 221 Voting Behavior and Public Opinion</td>
<td>3</td>
</tr>
<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
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<tr>
<td>PO 231 International Relations</td>
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2. Upper Division Courses (27 credits)

<table>
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<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PO 301 American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 303 Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO 412 Legislative Behavior</td>
<td>3</td>
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<tr>
<td>PO 401 Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PO 431 American Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Senior Seminar (Scope and Method of Political Science)</td>
<td>2</td>
</tr>
</tbody>
</table>

Political Science electives (10 credits)
III. Political Science - International Relations emphasis.
The area of emphasis in international relations is available for students wishing to obtain a general understanding of international affairs for a more intelligent citizenship in the modern world society. Students enrolling in this option are advised to prepare themselves adequately in modern foreign languages. The course requirements in Political Science are intended to provide a basis for an interdisciplinary program with additional courses drawn from foreign languages, history, economics, and sociology.

A. General College and Core requirements.
B. Political Science Major Requirements (45 credits)

1. Lower Division Courses (12 credits)
   - PO 101 Federal Government ............. 3 credits
   - PO 141 Contemporary Political Ideologies ........................................... 3
   - PO 229 Comparative European Governments and Politics ...................... 3
   - PO 231 International Relations ....................................................... 3

2. Upper Division courses (33 credits)
   - PO 311 International Politics ............... 3 credits
   - PO 324 Comparative Communist Party-State Systems ......................... 3
   - PO 333 Comparative Governments and Politics of the Developing Nations 3
   - PO 335 United States Foreign Policy .............................................. 3
   - PO 421 International Law ..................................................................... 3
   - PO 422 International Organization .................................................... 3
   - PO 451 Comparative Legal Systems .................................................... 3
   - PO 498 Senior Seminar (Scope and Methods of Pol. Sci.) ................. 2
   - Political Science Electives (10 credits)

IV. Political Science - Public Administration emphasis.
As an optional area of emphasis in Political Science, the course requirements are designed to provide a broad foundation in the discipline of Political Science with special concentration in the area of Public Administration. Special interdisciplinary course patterns can be arranged for students interested in such complementary areas as public administration and economics, public administration and sociology, public administration and psychology, public administration and communications. Appropriate course selections for all students opting for the Public Administration area of emphasis should include electives in computer science, psychology, sociology, history, economics, and communications.

A. General College and Core requirements.
B. Political Science Major Requirements (45 credits)

1. Lower Division courses (12 credits)
   - PO 101 Federal Government ............. 3 credits
   - PO 102 State & Local Government .... 3
   - PO 141 Contemporary Political Ideologies ........................................... 3
   - PO 229 Comparative European Governments and Politics ...................... 3
   - PO 231 International Relations ....................................................... 3

2. Upper Division Courses (30 credits)
   - PO 203 Introduction to Public Administration 3 credits
   - PO 301 Public Finance 3
   - PO 320 American Policy Processes 3
   - PO 325 Regional Administration 3
   - PO 465 Comparative Public Administration 3
   - PO 467 Administrative Law 3
   - PO 487 Organizational Theory and Bureaucratic Structure 3
   - Political Science Electives .............................................................. 9

V. Political Science — Social Science Secondary Education Option
Each academic department in the social sciences (history, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the department's subject mat-
ter plus two additional fields of study or teaching minors of 15 credits each chosen from the other social science fields.

30 Hour Program - 24 hours required courses:
   - PO 101 Federal Government ................................................................. 3
   - PO 102 State & Local Government ...................................................... 3
   - PO 221 Voting Behavior and Public Opinion ........................................ 3
   - PO 231 International Relations ........................................................... 3
   - PO 229
   - 324
   - 333 Comparative Government .......................................................... 6
   - PO 431
   - 441
   - 442 Political Theory ................................................................. 6
   - Plus upper division Political Science electives .................................. 6

15 Hour Emphasis - 9 hours required courses:
   - PO 101 Federal Government ................................................................. 3
   - PO 231 International Relations ........................................................... 3
   - PO 431 and/or
   - 441
   - 442 Political Theory ................................................................. 3-6
   - Plus 3-6 hours of appropriate upper division Political Science courses to be worked out with advisor according to major field of emphasis ................................................................. 3-6

15 hours

Course Offerings

PO Political Science Lower Division

101 Federal Government — 3 credits
A study of the institutions and processes of the American political system, emphasizing the social, ideological, and constitutional background. Each semester.

102 State and Local Government — 3 credits
A study of the institutions and processes of state and local government with emphasis on constitutionalism, legislatures, governors and reapportionment. Each semester.

141 Contemporary Political Ideologies — 3 credits
An examination of liberalism, communism, fascism, and nazism, with emphasis on the principal ideas characterizing each "ideology". Each semester.

221 Voting Behavior and Public Opinion — 3 credits
The course will explore the development of public opinion and electoral behavior. Empirical research from a variety of fields will be used in an attempt to understand and analyze the factors that mold popular attitudes and political behavior. Fall semester.

229 Comparative European Governments and Politics — 3 credits
A comparative study of the political systems of selected European nations, including Great Britain, France, the German Federal Republic, Italy and the Scandinavian states. The patterns of political culture, political interests, political power, and selected public policy issues will be analyzed. Prerequisite: Federal Government (PO-101) or consent of instructor and approval of Department Chairman. Each semester.

231 International Relations — 3 credits
A study of the nature of relations among nations with particular reference to contemporary international issues; an analysis of motivating factors including nationalism, imperialism, communism, a study of the problem of national sovereignty and its relation to international cooperation. Prerequisite: Federal Government PO-101. Each semester.
Upper Division

301 American Politics — 3 credits
A comprehensive study of the total American Political System. Special consideration will be given to both past and present political trends with the objective of understanding their probable impact on future developments. Each semester.

303 Introduction to Public Administration — 3 credits
Theory, administrative organization, functions and problems of public governmental units. Prerequisite Federal Government PO-101. Fall semester.

310 Public Finance — 3 credits
Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy making. (Interdepartmental course with Department of Economics.) Prerequisites: EC 201 and EC 202. Spring semester.

311 International Politics — 3 credits
A comprehensive study of the political institutions, concepts, values, and methods of international politics relevant to the practice of nation-states: examination of foreign policies and objectives of the world's major powers; analysis of contemporary international problems; consideration of theories of international politics. Prerequisite: Federal Government PO-101 or International Relations PO-231 or consent of instructor and approval of Department Chairman. Fall semester.

320 American Policy Process — 3 credits
An examination of the process through which policy is determined, implemented, and adjusted, with emphasis on the role of administrators. Prerequisite: PO 303. Either semester.

324 Comparative Communist Party-State Systems — 3 credits
A comparative study of the political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other Communist Party-States. Selected topics and problems relating to the political institutions and political processes will be presented for defining the patterns of political relationships in these states. Attention is to be given to questions of political theory and political determinants in the development of the Communist Party-States. Prerequisite: Federal Government PO-101 or consent of instructor and approval of Department Chairman. Spring semester.

325 Regional Administration — 3 credits
Survey of the organizational arrangements developed for planning, for providing services, and for regulating resources across city and state boundaries. Intergovernmental relations and metropolitan regions will be emphasized. Prerequisites: PO-102, PO-303. Either semester.

330 Issues In Public Personnel Affairs — 3 credits
Survey of the public personnel system; including evolution of the merit system, political control of the bureaucracy, compensation plans, employee relationships and unionism. Prerequisite: PO 303. Either semester.

333 Comparative Governments and Politics of the Developing Nations — 3 credits
A study of the political systems of selected nations in the developing areas of the world, including nation-states in Africa, Asia, and Latin America. The patterns and problems of political development and modernization in the nations will be analyzed. Prerequisite: Federal Government PO-101 or consent of instructor and approval of Department Chairman. Fall semester.

335 United States Foreign Policy — 3 credits
Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments on the formulation of foreign policies. (Interdepartmental course with Department of History.)

401 Constitutional Law — 3 credits

412 Legislative Behavior — 3 credits
An analysis of the behavior of American state and national legislatures. Special consideration will be given to the impact of constituencies, parties, interest groups, interpersonal relations, and other related factors upon legislators, and the role of the legislature in the American political system. Prerequisite: Federal Government PO-101. Spring semester.

421 International Law — 3 credits
Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international affairs. Prerequisite: Federal Government PO-101 and International Relations PO-231. Fall semester.

422 International Organization — 3 credits
Historical background; the League: basic problems of international entities: the United Nations. Prerequisite: Federal Government PO 101 and International Relations PO 231. Spring semester.

431 American Political Theory — 3 credits
The development of political thought from Socrates to Machiavelli. Fall semester.

441 Part I Western Political Theory — 3 credits
The development of political thought from Machiavelli. Prerequisite: Part I Western Political Theory PO 441. Spring semester.

442 Part II Western Political Theory — 3 credits
The development of political thought since Machiavelli. Prerequisite: Part I Western Political Theory PO 441. Spring semester.

451 Comparative Legal Systems — 3 credits
An examination of principal legal systems of the world, with emphasis on ideational foundations, organization, procedures, methods of growth, relationships to political and economic systems, and basic juristic concepts. Prerequisites: Federal Government PO-101, Contemporary Political Ideologies PO-141, and Comparative European Governments and Politics PO-229 or consent of instructor and approval of Department Chairman. Spring semester.

461 Government and Business — 3 credits
A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included. (This is offered as an interdepartmental course with the Department of General Business and is also designated as BG 441 for students undertaking a major program in General Business.) Prerequisites: PO 101 and PO 303. Spring semester.

465 Comparative Public Administration — 3 credits
Systematic examination and comparison of the varied models and theories of administrative systems. The course will cover international and international studies. Prerequisite: PO 303. Either semester, offered in alternate academic years. Not offered in 1974-75.

467 Administrative Law — 3 credits
Review of the sources of power and duties of administrative agencies, the rules and regulations made by the agencies through investigation and hearings, as well as judicial decisions and precedents relating to administrative activities. Prerequisite: PO 101, PO 303. Either semester, offered in alternate academic years. Not offered in 1974-75.
469 Intergovernmental Relations — 3 credits
An examination of interunit cooperation and conflict in the American Federal System, including state-local relationships and metropolitan dispersal and integration. Prerequisites: PO 101, PO 102, and PO 303. Either semester, offered in alternate academic years. Offered in 1974-75.

487 Organizational Theory and Bureaucratic Structure — 3 credits
A socio-political analysis of the theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (This course is offered on an interdepartmental basis with the Department of Societal and Urban Studies and is also designated as SO 487 for students undertaking a major program in Sociology or other programs offered by the Department of Societal and Urban Studies.) Prerequisite: Upper Division standing and consent of instructor. Either semester.

498 Senior Seminar (Scope and Methods of Political Science) — 2 credits
An examination of the discipline of Political Science, its central problems and unifying concerns, and an inquiry into the techniques of scientific political investigation as they relate to improved research methods. This seminar is required of all Political Science majors. Fall semester.

PY PHILOSOPHY

Lower Division

101 Introduction to Philosophy — 3 credits
A general background in the various areas of the discipline is presented after which specific philosophical problems are examined in light of the solutions by various philosophers in Western culture. The areas examined include metaphysics, ethics, and epistemology. Each semester.

121 Introduction to Logic — 3 credits
Logic is the science of valid reasoning. To be studied are the logical rules of inference, methods of argumentation, logical problem solving and the nature of logical fallacies. Fall semester.

211 Ethics — 3 credits
Problems of both normative ethics and metaethics are examined. Normative ethics concerns the norms and guidelines of moral behavior. Various solutions are offered in response to the question, "What ought one do, given a moral dilemma?" Metaethics is principally concerned with the nature of ethical statements. Naturalism, intuitionism, and emotivism are thus examined. Spring semester.

231 Philosophy of Religion — 3 credits
The various types of arguments for the existence of God are examined. Various conceptions of the nature of God are explored as well as such problems as the problem of evil and problem of free will. Either semester.

246 Metaphysics — 3 credits
As the core of philosophy, this course includes an examination of (a) the problem of free will vs. determinism, (b) the nature of causation, (c) the problem of personal identity, and (d) ontology. Prerequisite: PY 101. Fall semester.

247 Epistemology — 3 credits
This course covers the theory of knowledge, including (a) an examination of the relationships and the difference between knowledge and belief, (b) an evaluation of the theories of perception and (c) theories of truth. Prerequisite: PY 101. Spring semester.

249 Ancient Philosophy — 3 credits
A study of selected works of Plato and Aristotle. Prerequisite: PY 101. Fall semester.

251 Medieval Philosophy — 3 credits
A study of the works of St. Anselm, Duns Scotus, St. Thomas Aquinas, Abelard, Williams of Ockham, and other contributors to intellectual thought during the Middle Ages. Prerequisite: PY 101. Spring semester.

Upper Division

303 The Age of Absolutism and Reason (Philosophy) — 3 credits
A study of European thought in the seventeenth and eighteenth centuries: The age of absolutism, ideas of the philosophers and the crisis of the old regime leading to revolution. Prerequisite: Introduction to Philosophy, PY 101. (Course may be taken either for History credit or for Philosophy credit, but not for both.) Either semester, alternate years. Not offered 1974-75.

333 Phenomenology and Existentialism — 3 credits
This course explores the most fundamental of human problems: man is subjective by nature, for he is trapped by his own view of the world; yet the rational mind strives for objectivity. The clash between the two leads man to ask the very basic questions, "Who am I?" and "What is my relationship to the external world?" The former is an existential question and the latter is a phenomenological one. Prerequisite: PY 101. Fall semester.

404 Symbolic Logic — 3 credits
A study of the translation of natural language statements into symbolic form for the purpose of ridding them of ambiguity and of making deductions through the rules of propositional calculus. Prerequisite: PY 121. Spring semester.

406 Philosophy of Science — 3 credits
This course seeks to examine such philosophical questions as the finiteness of the universe, as well as theories concerning the nature and verification of postulated entities. Prerequisite: PY 101 or PY 121. Fall semester.

DEPARTMENT OF SOCIAL WORK

Irene A. Wilcox, Chairman
Professor: Wilcox
Assistant Professors: Beck, Huff, Oliver
Field Work Coordinator: Larsen

Clinical Associates: Richard Anderson, Idaho State Penitentiary; Marlene Gahey, Idaho State School and Hospital; Charles Hansen, Veterans Administration Hospital; Kenneth Hopkins, Idaho Commission for the Blind; Elmar Jacobson, Casey Family Program for Youth; John Louden, Boise Public Schools; Priscilla Martins, Department of Environmental and Community Service; Dennis Neilson, Unified LDS Social Services; George Pelletier, Vocational Rehabilitation Department; Susan Raeder, Idaho State School and Hospital; John Shuler, Child Protective Unit; Jim Sola, Veterans Administration Hospital; Jim Teverbaugh, Department of Environmental and Community Service; Sharon Walker, Youth Service Bureau; Dean Westover, Whittier Public School.
REQUIREMENTS FOR SOCIAL WORK MAJOR
Bachelor of Arts Program

General College and Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>A. Lower Division Courses</td>
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<tr>
<td>English Composition</td>
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<tr>
<td>Literature</td>
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<td>Humanities</td>
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<td>History</td>
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<tr>
<td>Economics</td>
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<tr>
<td>Intro-Sociology</td>
<td>3</td>
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<tr>
<td>Social Problems</td>
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<td>General Psychology</td>
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<td>Intro-Social Work</td>
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<td>B. Upper Division Courses</td>
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<td>Normal Social Functioning</td>
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<td>Philosophy of Social Work</td>
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<td>Field Work</td>
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<td>Statistics</td>
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<table>
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<tr>
<th>CREDITS</th>
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</table>

421-422 Field Work Laboratory — 3 credits
Six hours per week in an agency field placement plus two-hour seminar to integrate theory with practice. Prerequisite: SW-301. Concurrent enrollment in SW-401 (Fall semester) and in SW-402 (Spring semester) and permission of instructor. Each semester.

451 Group Interaction — 3 credits
Dynamics of group behavior. Understanding group interaction and the processes of working with groups. Prerequisite: SW-321. Each semester.

498 Senior Level Seminar — 2 credits
Discussion of topics of particular interest to Social Work students who are planning to enter practice. Prerequisite: senior standing in Social Work. Enrollment of one semester required. Each semester.

DEPARTMENT OF SOCIETAL AND URBAN STUDIES

Dr. Patricia M. Dorman, Chairman
Professor: Dorman
Associate Professors: Christensen, Scheffer
Assistant Professors: Baker, Corbin, Cox, Harvey, Hopfenbeck, Taylor
Visiting Professor: Pavesic

The Department believes that the condition of urban life in modern society requires a broad, interdisciplinary approach to provide competency and knowledge in the areas of societal and urban studies. In addition, the curriculum offers current perspectives for resolving many of the existing problems which face man. It provides an opportunity for each student to gain both the scientific and practical knowledge in three disciplines: sociology, anthropology and criminal justice administration.

Capitalizing on a variety of fields, the Department offers students an opportunity for entry into the rapidly growing occupational areas of personal services in urban society. The Department also offers a sound undergraduate curriculum preparatory to graduate study in each baccalaureate program.
**CRIMINAL JUSTICE ADMINISTRATION**

General College and core requirements to meet either Bachelor of Arts or Bachelor of Science program as given on page 30-32 except:

A. Criminal Justice majors are required to take: 20-23
   - Defensive Tactics 1
   - Fundamentals of Speech Communication 4
   - Contemporary Economic Problems 3
   - Federal Government 3
   - State and Local Government 3
   - Principles of Accounting 3
   - Business English**

B. Major Requirements
   - Lower Division Courses 18
     - Law Enforcement in Modern Society 3
     - Patrol Administration 3
     - Jail Administration 3
     - Law of Criminal Evidence 3
     - Criminal Investigation 3
     - Vice and Organized Crime 3
   - Upper Division Courses 24
     - Administration of Justice 3
     - Police Organization and Management 3
     - Criminal Law 3
     - Comparative Law Enforcement Problems 3
     - Introduction to Criminalistics 3
     - Abnormal Psychology 3
     - Juvenile Delinquency 3
     - Criminology 3
     - Upper Division Criminal Justice (Electives) 6

* The following courses are strongly recommended: Judo, Self Defense
** Required of students who do not meet competency standards

**ASSOCIATE OF SCIENCE**

A. Criminal Justice majors are required to take: 38-41

   - Defensive Tactics 1
   - Fundamentals of Speech Communication 4
   - Lab Science 4
   - English Composition 3 or 6
   - Literature 3
   - History 3
   - Fundamentals of Speech Communication 3
   - Contemporary Economic Problems 3
   - Federal Government 3
   - State and Local Government 3
   - Principles of Accounting 3
   - Business English**

B. Major Requirements 18

   - Law Enforcement in Modern Society 3
   - Patrol Administration 3
   - Jail Administration 3
   - Law of Criminal Evidence 3
   - Vice and Organized Crime 3
   - Criminal Investigation 3

**REQUIREMENTS FOR SOCIAL SCIENCE MAJOR**

**Bachelor of Arts Program**

1. **Liberal Arts Option**
   - General College and Basic Core Requirements
   - Social Science requirements:

<table>
<thead>
<tr>
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<td>Lower Division Courses:</td>
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<td>field and six credits in two other fields)</td>
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<td>Economics</td>
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**REQUIREMENTS FOR SOCIOLOGY MAJOR**

1. General College and core requirements to meet either Bachelor of Arts or Bachelor of Science Program as given on page 30-32.
2. At least 78 credit hours in fields other than sociology, including at least 15 hours in a single field or in a related group of subjects as defined by the individual student in consultation with his advisor.
3. At least 29 credit hours in Sociology including:

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<td>Social Stratification</td>
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<td>Industrial Sociology</td>
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<td>Rural Community or Urban Community</td>
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<td>Group 3 Courses:</td>
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<td>Group 4 Courses:</td>
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<td>Deviant Behavior and Social Control</td>
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<td>Juvenile Delinquency</td>
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<tr>
<td>Criminology or</td>
<td></td>
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<tr>
<td>Social Problems</td>
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</table>

**Sociology — Social Science Secondary Education Option**

Each academic department in the social sciences (History, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the department's subject matter plus two additional fields of study or teaching minors of 15 credits each chosen from the other social science fields.
SCHOOL OF ARTS AND SCIENCES
Department Of Societal And Urban Studies

1. General College and Basic Core requirements . 18-39
2. 2 approved teaching minors. 15 hours each . 30
(minors to be selected from the following fields: Political Science, Anthropology, History or Economics)
3. Sociology courses . 30
(required courses are the same as for the Sociology major above, including at least 15 upper division hours)
4. Education courses to meet Idaho State Department of Education Certification requirements for teachers in Sociology
Secondary Education . 20
5. State requirements for teacher certification, including U.S. History 6 hours
American Government 3 hours . 9
6. Electives to complete a total of 128 credit hours, including 40 upper division credit hours . 0-21
15 Hour Emphasis for Social Science Secondary Education
options: To include So-101 Introduction to Sociology and at least 6 upper division hours.

15 hour Anthropology emphasis in Social Science - Secondary Education options

Required courses . 9 credit hours
AN 202 Cultural Anthropology . 3
AN-201 Physical Anthropology . 3
AN-311 Peoples and Cultures of the World . 3
Upper Division Anthropology Electives . 6 credit hours

Course Offerings

AN ANTHROPOLOGY

Lower Division

201 Physical Anthropology — 3 credits
An introduction to the fossil evidence for human evolution, population genetics, human variation, and the study of living primates with emphasis on behavior. Each semester.

202 Cultural Anthropology — 3 credits
The meaning of culture; its significance for human beings; similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs. Each semester.

203 Introduction to Archaeology — 3 credits
An introduction to the historic background and basic techniques of archaeological excavation. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, their activities and their histories. Fall semester.

Upper Division

301 Peoples and Cultures of the World — 3 credits
The cultural patterns of representative aboriginal peoples. Technology, subsistence, social organization, and supernaturalism considered with a view toward environmental adjustment, historical development and functional interrelations. Prerequisite: AN 202 or consent of instructor. Either semester.

315 Indian Peoples of Idaho — 3 credits
A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. Alternate years, either semester. Will be taught Fall, 1974.

412 Archaeology of North America — 3 credits
A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional sociocultural complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the Intermountain West. Prerequisite: AN 203 or consent of instructor. Either semester.

421 Theory and Method in Archaeology — 3 credits
A survey of the philosophical and theoretical foundations of archaeology. Includes the development of methodology and technical advances as applied to archaeological research. Prerequisite: AN 203. Either semester.

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

201 Law Enforcement in Modern Society — 3 credits
A study of philosophy, history, objectives, and the functions of law enforcement as an institution; institutional relationships to society; general overview of the administration of justice. Spring semester.

212 Jail Administration — 3 credits
Historical development of local detention facilities; present and future trends of operation and administration. Operation of programs for the sentenced misdemeanor, first offenders, female and juvenile offenders. Special problems relative to inmate social interaction and supervision of prisoners. Prerequisite: CR-201. Fall semester.

215 Patrol Administration — 3 credits
The Patrol function as the fundamental police operation; multi-level decision and policy making processes; determination of functional areas of patrol responsibility. Prerequisite: CR-201 or instructor permission. Fall semester.

225 Vice and Organized Crime — 3 credits
The history, cause, nature, and control of vice and organized crime are studied. Prerequisite: CR-201. Spring semester.

231 Criminal Investigation — 3 credits
Designed to acquaint the student with investigation as it involves the application of the investigative process in criminology, discovery and preservation of evidence, investigative report organization and content of investigative reports, and evidentiary proof of the elements of crime. Prerequisite: CR-201. Spring semester.

275 Law of Criminal Evidence — 3 credits
Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. Prerequisite: CR 201. Fall semester.
Upper Division

301 Administration of Justice — 3 credits

321 Criminal Law — 3 credits

331 Probation and Parole — 3 credits
Historical development, organization, operation, purpose and outcome of post-conviction release programs. Included will be probation, parole, work-release and others. Analysis of program effectiveness. Review of the role of the probation and parole counselor within the program framework. Prerequisites: P-101 and SO-101, or instructor permission. Spring semester.

*340 Principles of Interviewing — 3 credits
Familiarization with the elements of the interviewing process for law enforcement personnel. Included are both the counseling and interrogative aspects with a view to promoting effective and productive relationships within any interviewing situation. Prerequisite: P-101. Fall semester.

351 Police Organization and Management — 3 credits
The principles of organization and management as applied to law enforcement administration, current and future problems in criminal justice administration. Special course materials cost $6.00. Prerequisite: CR-201. Fall semester.

361 Correctional Administration — 3 credits
History of correctional institutions; present and future trends of handling the offender in the community and through institutionalization. Review of the President's Task Force Report on Corrections. Organization and program structure within a penal institution. Prerequisite: SO-101. Introduction to Sociology; or instructor permission. Each semester.

*380 Introduction to Criminalistics — 3 credits
Introduction to theory and application of physical science in the field and laboratory investigation of crime. Applicable to both advanced field investigations and laboratory techniques. Prerequisite: CR-201. (Alternate years) Spring semester.

411 Contemporary Law Enforcement Problems — 3 credits
Exploration of current and anticipated administrative/procedural areas of difficulty as they result from: Changing public opinion, employee needs and demands, court precedent and decision, and progressive developments and experimentation within law enforcement. Prerequisite: Upper Division CJA standing. Spring semester.

420 Private and Industrial Security — 3 credits
Philosophy and techniques of operation in the areas of security organization and management, investigations, physical plant and personnel security, and legal and jurisdictional limitations. Prerequisite: upper division CJA standing. Fall semester.

451 Comparative Law Enforcement Administration — 3 credits
An analysis and comparison of law enforcement systems at the Federal, State, and local levels, and International systems. Prerequisite: CR-201. (Alternate years) Spring semester.

Lower Division

101 Introduction to Sociology — 3 credits
Introduction to the sociological perspective, analysis of the basic elements of human groups and societies, culture, social organization, socialization, inequality, and population. Each semester.

102 Social Problems — 3 credits
Application of the sociological perspective to contemporary problems associated with the structure of American society. Each semester.

240 Sociology of the Family — 3 credits
An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationship of these patterns to the larger society. Prerequisite: SO-101. Either semester.

250 Population — 3 credits
The theory of population from Malthus to the present. (1) Social factors that influence population size, such as birth control and inadequate housing; (2) composition of the population: past and present trends of populations. Prerequisite: Introduction to Sociology SO-101. Either semester.

305 Racial and Cultural Minorities — 3 credits
Analysis of inter-ethnic contacts. The development of racial attitudes: theories relating to casual factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO-101 or General Psychology P-101. Either semester.

310 Elementary Social Statistics — 3 credits
The application of measurements to sociological data. Basic statistical measures. techniques for their application. meaning and use in research. Recommended for majors. to be taken in the Junior year and followed by SO 311. Prerequisite: SO-101. High School Algebra. upper division status. Fall semester.

311 Social Research — 3 credits
An introduction to the empirical basis of modern sociology; methods of research design and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO-101 and Elementary Social Statistics SO-310. Spring semester.

321 American Society — 3 credits
An analysis of American society in terms of the growth, structure, and change of its major social institutions; economy, government, religion, education and family. Prerequisite: Introduction to Sociology SO-101. Either semester.

325 Sociology of Aging — 3 credits
Analyzes aging as a social process, emphasizing the changing role as a result of the process, the demands made on and by society because of the way it defines and deals with age, and the problems created for society and for the aged as a result of values, attitudes and beliefs. Either semester.

331 Deviant Behavior and Social Control — 3 credits
Analysis of the forms and causes of social deviancy; how social systems control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO-101. This course may be used as either Sociology or Criminology credit. Either semester.

351 Social Institutions — 3 credits
Study of the basic institutions. An analysis of values, norms, and behavior organized around the important goals of society. Prerequisite: SO-101. Either semester.
361 Industrial Sociology — 3 credits
Study of the social organization of work in industrial society with attention to internal human relations and to the external relations in the community. Prerequisite: SO-101. Either semester.

401 History of Sociology — 3 credits
Presociological perspectives on society from ancient times to the present. Relationships of social thought and social structure. Prerequisites: SO-101 and upper division status. Fall semester.

402 Current Sociological Perspectives — 3 credits
Major theoretical issues in contemporary sociology: works of leading contemporary sociologists. Prerequisite: SO-101 and upper division status. Spring semester.

403 Social Change — 3 credits
This course will study the factors influencing the acceptance or rejection of innovations, and their effects on social institutions. Prerequisites: SO 101 and upper division status. Either semester.

407 Sociology of Religion — 3 credits
A study of religion as a social phenomenon. Prerequisite: SO-101 and upper division standing. Offered alternate years — Either semester.

415 Juvenile Delinquency — 3 credits
A study of causation, treatment, and control of juvenile delinquency. Prerequisite: SO-101. This course may be used as a Sociology or Criminology credit. Either semester.

417 Criminology — 3 credits
Sociology as applied to the study of "crime" as defined by the laws of society; the possible causes of criminal behavior and the way society attempts to control criminal behavior. Prerequisite: SO 101. This course may be used as a Sociology or Criminology credit. Either semester.

421 Social Stratification — 3 credits
Examination of the theoretical and methodological problems in the study of the wealth, prestige and power distribution of local and national stratification systems; implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: SO-101. Spring semester.

424 Rural Sociology and the Emerging Nations — 3 credits
The sociological study of rural life in agrarian society and the phenomena of the emerging nations. Prerequisite: SO 101. Either semester.

425 The Urban Community — 3 credits
An examination of the changing growth, demographic, stratification and institutional structure of urban communities; the causes of urbanization and its consequences for individual and group interaction. Prerequisite: SO-101. Either semester.

431 Social Psychology — 3 credits
Social factors affecting individual behavior; formation and change of attitudes; social and cultural effects on individual cognitions; effects of leadership on members of groups and organizations. This course may be taken for either Psychology or Sociology credit, but not for both. Prerequisite P 101 or SO 101. Either semester.

487 Organization Theory and Bureaucratic Structure — 3 credits
A socio-political analysis of the theories and concepts of complex social organizations, their application to public administration and the interrelationship between political science and sociological organizational theory. (This course is offered on an interdepartmental basis with the Department of Political Science and is also designated as PO 487 for students undertaking a major program in Political Science.) Prerequisite: Upper Division standing and consent of the instructor. Either semester.

498 Sociology Seminar — 2 credits
Intensive study of selected problems in sociology. Prerequisite: Senior standing in Sociology major. Spring semester.

DEPARTMENT OF THEATRE ARTS

Dr. Robert E. Ericson, Chairman
Professor: Shankweiler
Associate Professor: Ericson, Lauterbach
Assistant Professors: Corbett, Heise
Instructors: Bedard

REQUIREMENTS FOR THEATRE ARTS MAJOR

Bachelor of Arts Program

General college requirements as listed under college requirements. Bachelor of Arts degree except:

A. Theatre Arts majors are required to take two hours of Physical Education courses as specified by their advisor, (i.e., fencing, dance, gymnastics, etc.)

B. Area I

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<th>Course</th>
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<tr>
<td>Intro to Theatre and Intro to Art or Music</td>
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<tr>
<td>Dramatic Literature</td>
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<td>Elective Literature course</td>
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C. Area II

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<td>General Psychology</td>
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<td>Elective</td>
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D. The department recommends that Theatre Arts majors take one year of a foreign language.
MAJOR SUBJECT REQUIREMENTS

THEATRE:
Introduction to Theatre ........................................ 3
Technical Theatre ............................................. 6
Acting (lower division) ......................................... 3
Stage Voice ...................................................... 3
World Drama ..................................................... 6
Directing ......................................................... 3
Theatre History .................................................. 6
Contemporary Drama ........................................... 3

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(Upper Division — 21)

SECONDARY EDUCATION:
Departmental requirements for the Secondary Education
Option are the same as regular theatre major plus:

TA-402 Directing
E-345 or E-346 Shakespeare is substituted for
Contemporary Drama TA-445

The student must also satisfy the requirements for
teacher certification.

THEATRE ARTS MAJOR
Bachelor of Arts Program
(Suggested Sequence: departmental requirements
are indicated by asterisks)

THEATRE EMPHASIS:

FRESHMAN YEAR:

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<td>Laboratory Science</td>
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SOPHOMORE YEAR:

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<td>Western Civilization*</td>
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<td>Acting*</td>
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<td>Laboratory Science</td>
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<td>Oral Interpretation</td>
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JUNIOR YEAR:

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<td>Stage Voice*</td>
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<td>World Drama*</td>
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SENIOR YEAR:

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<td>Theatre History*</td>
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<td>Electives (Upper Division)</td>
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<tr>
<td>Contemporary Drama*</td>
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<tr>
<td>Theatre Theory &amp; Criticism</td>
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Course Descriptions

TA THEATRE ARTS

Lower Division

107 Introduction to Theatre — 3 credits
A survey course designed to stimulate an appreciation of
and allied art forms, through the study of the history of
theater, dramatic literature and techniques. Each semester.

117-118 Technical Theatre — 3 credits
Provides the student with a practical knowledge and skill in
the principles of the technical aspects of theatre: the mechanical
characteristics of the stage and the elements used in produc-
tions: development of drafting skills, problem solving in staging,
and the rudiments of lighting and design. Three hours of lecture
plus four hours of lab per week required. Fall, Spring semesters.

162 Stage Make-up — 2 credits
Investigation of and production analysis of stage make-up;
the relationship of actor to play and audience, an integration
of make-up and other technical aspects that influence this par-
ticular art. Practical application is performed. Fall semester.

215-216 Acting — 3 credits
Entails study of and practice in the basic principles,
terminology, and disciplines of the acting art. Fundamentals of
SCHOOL OF ARTS AND SCIENCES
Department Of Theatre Arts

speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. One hour lecture, two hours lab per week required. Fall, Spring semesters.

220 Cinema: History and Aesthetics — 3 credits
An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form. Offered in the fall semesters.

Upper Division

311-312 Advanced Acting — 3 credits
Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. Prerequisite: TA 215-216 or consent of instructor. Fall, Spring semesters. Alternate years.

331 Major Production Participation — 1 credit
Significant participation in a major college production in some phase of technical theatre or acting or management. One hour of credit allowed per semester. Maximum 4 credit hours. Each semester.

333 Stage Voice — 3 credits
Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes. Either semester.

334 Advanced Oral Interpretation — 3 credits
Analysis and oral presentation of advanced literary works in prose, poetry and drama. Course includes dramatic interpretation, program recitals, reader’s theatre and continued practice in vocal development. Prerequisite: CM 241 or consent of instructor after audition. Offered spring semester.

341 World Drama 500 BC-1570 — 3 credits
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. Alternate Fall semesters.

342 World Drama 1570-1870 — 3 credits
Same as TA 341, except that the period covered is from 1570 A.D. through 1870. Alternate Spring semesters.

343 World Drama 1870 to 1960 — 3 credits
Same as TA 341 except that the period covered is from 1870 to 1960. Alternate Spring semesters.

351 Elements of Scenic Design — 3 credits
Major skills of beginning design. Included will be art techniques for theatre, research in major periods of design, examination of major designers’ works, and practical experience in designing for all major types of stages. Prerequisite: TA 117-118. Fall semester.

352 Costume Design — 3 credits
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. Prerequisite: TA 117-118. Alternate Spring semesters.

362 Stage Lighting Design — 3 hours credit
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. Prerequisite: TA-117-118. Alternate spring semesters.

401-402 Directing — 3 credits
Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems in directing are presented. Prerequisite: Upper Division standing. Each semester.

421g-422g Theatre History — 3 credits
Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 B.C. through approximately 1550 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall. Spring semesters.

431 Advanced Scenic Design — 3 credits
Entails solving difficult design problems in the staging of multiple scenes, experimentation with new styles of staging, and designing and executing sets and lights for student productions. It shall include the complete planning of a design for a relatively complex play. Prerequisite: TA 351 and consent of instructor. Spring semester.

445 Contemporary Drama — 3 credits
A study of world drama since 1960 with an emphasis on current research materials and techniques. Spring semester.

451 Theatre Theory and Criticism — 3 credits
Aesthetic theory as it pertains to the art of the theatre; script and production analysis based upon theoretical principles, and their practical application. Prerequisite: Senior standing. Alternate fall semesters.

461 Experimental Theatre — 2 credits
Investigation and clarification of the values in new trends and techniques of the theatre art. The purpose is to determine the most effective means of theatrical communication with the contemporary audience. Prerequisite: Junior standing or consent of instructor. Fall semester.

463 Theatre Management — 2 credits
Study and practice of the style and development of public communications for theatre through individual and mass media, the organization and execution of financial, statistical data, and the operation and control of the mechanical process of presenting theatre productions to the public. Prerequisite: Junior standing. Spring semester.

487g-488g Children’s Theatre — 3 credits
Preparation for successful work in the production of plays for primary school audiences. Theory and techniques of children’s theatre production; selection and mounting of a selected script. Fall. Spring semesters.

491 Senior Projects — 3 credits
A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formally written, fully documented thesis describing his production and the concept involved. Spring semester.
GRADUATE COURSES OFFERED BY SCHOOL OF ARTS & SCIENCES

These courses are intended as part of the MA in Elementary Education Programs. They are offered in response to needs indicated specifically by The School of Education.

AR ART
AR-521 Teaching Through Experimental Art Media — 3 credits (summer school only)
AR-522 Teaching Through Experimental Art Media — 3 credits (summer school only)

Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required; however, most work will be done in class. A reading bibliography will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

Selected Topics in the following functional areas will be offered as staff availability permits — 3 credits each

AR-580 Selected Topics — Drawing
AR-581 Selected Topics — Painting
AR-582 Selected Topics — Art History
AR-583 Selected Topics — Advertising Design
AR-584 Selected Topics — Printmaking
AR-585 Selected Topics — Ceramics
AR-586 Selected Topics — Sculpture
AR-598 Seminar in Art — 3 credits

Upon selection of an approved topic, the student will research it thoroughly, present an annotated bibliography, and present an oral report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. Prerequisite: Graduate standing. One semester.

GO GEOLOGY FOR ELEMENTARY TEACHERS

GO-511 Environmental Geology — 3 credits

Environmental Geology deals with the geologic aspects of man's interaction with his environment. Topics considered include energy sources, conservation of metallic and non-metallic mineral resources, soil and water conservation, the water cycle, earthquakes, volcanism, mass-wasting and other geologic hazards. The resource needs of our expanding population are contrasted with the growing requirement for the protection of our frail environment. Prerequisites: Physical Geology GO-101, Fundamentals of Geology GO-100 or consent of instructor.

GO-521 Advanced Topics in Earth Science — 3 credits

The study, review, and discussion of current literature, classroom and laboratory demonstrations, teaching aids and preparation of field trips itineraries relative to geology, astronomy, meteorology, and oceanography. The course is designed to provide background knowledge, skills, and material resources that can be directly applied to increase the students capability to teach earth science in the elementary and secondary school. Prerequisite: Consent of instructor.

GO-597 Independent Study and Research — 1-4 credits

Field or library research project. Student may work on his own problem or select from a list provided by instructor. Weekly progress meetings, final report. Prerequisites: Physical Geology or Fundamentals of Geology and/or consent of instructor.

SCHOOL OF ARTS & SCIENCES

Graduate Courses

GS GENERAL SCIENCE — FOR ELEMENTARY TEACHERS

GS-501 History of Science Since 1500 — 3 credits

History of Science is a survey of man's efforts to understand the natural world. The contributions of ancient cultures to the development of science are presented as an introduction to the evolution of science since the 16th century. A survey of the rise of "modern science" since 1500 A.D. will emphasize the historical development of modern scientific thought. Historical illustrations of the nature of scientific research and the roles of empiricism, technology, government and scientific societies in the evolution of science will be presented. Prerequisite: Consent of instructor.

HY HISTORY

HY-334g United States Social and Cultural History — 3 credits

Selected social and cultural themes from colonial times to the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions and intellectual developments in their historical context. Prerequisite: HY 151, 152 recommended. Either semester, alternate years.

M MATHEMATICS FOR ELEMENTARY TEACHERS

M-503 Algebraic Systems — 3 credits

Number systems and other algebraic systems from a modern point of view. The emphasis will be on the concept of algebraic structures. Prerequisite: M-104. First semester.

M-504 Geometric Concepts — 3 credits

Informal geometry and topology. The emphasis will be on problem solving techniques and pattern recognition. Prerequisite: M-104. Second semester.

MU MUSIC

MU-571 Advanced Practices and Principles in Teaching Music in the Elementary School — 3 credits

The course is designed to extend the professional teacher's knowledge of teaching techniques and curricula of the elementary school classroom music program. Included will be problems in teaching elementary school music, the teaching of reading skills in music, the non-singer in the classroom, creative musical activities to be used in the classroom, new approaches to music education such as the Threshold to Music and Manhattanville Music Curriculum Program, and the survey of pertinent research relevant to the development of musicability in young children. Spring Semester. Prerequisites: Public School Music, MU-371, general or special experience in classroom teaching, or consent of instructor.

MU-572 Listening and Singing Experiences for the Elementary School — 3 credits

This course is designed to present in-depth experiences in musical works and songs which can be used in the elementary classroom. Phonograph recordings, music series books and films will be surveyed and examined for use in the classroom. New media approaches will be introduced for the building of concepts of music perception. Ways of integrating listening works with singing activities through a conceptual approach will be stressed. Also emphasized will be ways of correlating musical activities with the areas of literature, painting, sculpture and architecture. Students will be directly involved in teaching lessons within the class. Prerequisites: Public School Music, M-371, experience in general or special classroom teaching, or consent of instructor. Fall semester.
SCHOOL OF ARTS & SCIENCES
Graduate Courses

PS  PHYSICAL SCIENCE — FOR ELEMENTARY TEACHERS
PS-501 Basic Physical Science for Elementary Teachers — 3 credits
An introduction to the basic ideas of physical science including matter, motion, energy, electricity, magnetism, heat, light, sound, wave motion, atomic energy, and astronomy. Elementary concepts will be discussed and demonstrated with emphasis on methods that can be used by elementary school students. Students will be expected to make one demonstration to present to the class during the course. Prerequisite: None.

TA  THEATRE ARTS
TA-421g Theatre History — 3 credits
TA-422g Theatre History — 3 credits
Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 B.C. through approximately 1550 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall, Spring semesters.
TA-487g Children's Theatre — 3 credits
TA-488g Children's Theatre — 3 credits
Preparation for successful work in the production of plays for primary school audiences. Theory and techniques of children's theatre production, selection and mounting of a script. Fall, Spring semesters.

The following courses are intended to support the MBA program, and are offered at the expressed request of the School of Business.

M  MATHEMATICS FOR MBA
M-561 Mathematics for Operations Research — 4 credits
An introduction to mathematical techniques commonly used to solve problems which call for a decision based on evaluation of several variables. Matrices, calculus, probability and statistics from the user's point of view. Solution of deterministic problems by linear and non-linear programming and the simplex method with emphasis on applications in management decision situations. Introductory dynamic programming as a method for solution of stochastically controlled systems. Prerequisite: Consent of instructor. Each semester.

MINORITY INTEREST COURSES
Courses offered at Boise State College that emphasize racial minority culture, contributions and problems are listed below. These courses are open to all students on campus. Since there is a new awareness on the campus of minority needs, the curriculum is always changing. Students are advised to carefully read the class schedule each semester to check on new courses.

Anthropology
AN 201 Physical Anthropology
AN 202 Cultural Anthropology
AN 307 Indians—North American
AN 315 Indian People of Idaho

English
E 219 No. American Indian Folklore and Literature
E 213 Afro-American Literature
E 215 Far Eastern Literature
E 497 Women in Literature
HW 497 Japanese Heritage

History
HY 315-16 History of the Far East
HY 355 The American West
HY 356 The Indian in American History
HY 363-64 U.S. Social & Cultural History
HY 297-497 Special Topics
Lewis and Clark
20th Century American Indian
Pacific Northwest Indian Curriculum Planning
Minorities in U.S. History
(this 297 course will meet CORE requirement for History)

Sociology
SO 305 Race and Cultural Minorities
SO 424 Rural Sociology and Developing Nations
DEPARTMENTS AND FACULTY

Department of Accounting and Data Processing:

Dr. Curtis Graham, Chairman
Professor: Graham
Associate Professors: Bell, Carson, Koester, H. Nix
Assistant Professors: Bradley, Maxson, Medlin, H. Nix, Silvester, Shannon

Department of Business Education and Office Administration:

Dr. Marvin Clark, Chairman
Professors: Clark, Cornwall
Associate Professors: Albertson, Brender, Johnson
Assistant Professors: Bounds, Brender, Crumpacker, Manship, Williamson
Emeritus: Bushby, Roe

Department of Economics:

Dr. Ellis Lamborn, Chairman
Professor: Lamborn
Associate Professors: Billings, Hart,
Assistant Professors: Asmus, Eastlake, Holley, Mitchell, Payne

OBJECTIVES

The broad scope of offerings within the School of Business embraces a variety of objectives. In general, the school seeks to prepare students for positions of responsibility in business and government and to provide education which assists students in becoming responsible members of the democratic society and the economic system in which we live.

More specific objectives would include:

1. The preparation of graduates for management training entrance into business-oriented fields, providing a broad background of liberal and occupational-oriented courses.
2. The preparation of graduates for entrance positions in specialized occupations such as sales, accounting, or office management.
3. The education of business-oriented workers for positions requiring less than the normal 4-year course of study through specialized curricula.
4. The preparation of non-business students as well as business students for assumption of citizenship responsibilities in their future relationships with the business world.
5. The preparation of graduates for entrance into graduate schools of business or public administration.
6. The preparation of business teachers for positions at the high school level and beyond.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration degree is available by completing all requirements for that degree as listed on the following pages under the appropriate major. Additionally, School of Business students may qualify, at their option, for the BA or BS degree by completing the additional liberal arts or science courses required for those degrees. (See pages 30-32 for BA or BS requirements). Faculty advisors should be consulted about these additional requirements.

Advanced Placement. Students with a background in material covered by a specific course because of training in high school, business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives. CLEP or challenge examinations are available for this purpose.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Secretarial Science, and Medical Secretarial areas are offered in addition to the baccalaureate programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the A.S. degree. Credits earned in such courses may be later applied toward the Bachelor's degree. Students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor's degree.
Transfer of Credits. In view of certain problems related to transfer of credits from junior colleges, the School of Business shall limit transfer of credits for business courses which apply toward degree requirements to such courses as it offers at that level. In certain cases, waiver of upper division level course requirements may be granted by departments which establish and administer tests to determine student competency in 200-300 level transfer courses before admission to upper division level courses.

Internships. Idaho companies and governmental institutions provide opportunities for students to develop business skills. Students accept responsibilities with company management and BSU School of Business faculty members. Academic credit along with financial compensation is possible.

CENTER FOR BUSINESS AND ECONOMIC RESEARCH
DIRECTOR: Richard K. Hart, Ph. D.

A Center for Business and Economic Research has been established within the School of Business to support and further research opportunities for students and faculty. The research takes a variety of forms, to be utilized by both the community at large and specific clients. Faculty, graduate and upper division students are used in part-time capacities as the need arises.

BACHELOR DEGREE PROGRAMS

NOTE: The student will find under each major the particular course of study to follow. Where the term "general electives" or Areas I, II, or III appear, refer to the inclusive listing of courses in the areas in Part II. Graduation Requirements. See Page 31 for BBA requirements, and pages 30 and 31 for B.A. or B.S. requirements.

DEPARTMENTAL HONORS PROGRAM

The Department of Accounting and Data Processing offers a complete sequence of honors sections in accounting. Honors courses aim at enrichment rather than acceleration. Participants in the honors courses will enjoy an opportunity to sharpen their analytical processes and develop their creative abilities. The learning opportunities offered will be characterized by both academic and professional excellence.

Consistent with the Department's Honors philosophy, students entering the program must have an overall G.P.A. of 3.0 and at least a grade of B in the two principles of accounting courses. Students in the honors program who receive a grade of C or less in an honors course will be placed on probation in relation to the department's honors program.

ACCOUNTING MAJOR
Bachelor of Business Administration Program

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition (Area I)</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Introduction to Business</td>
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<td>—</td>
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<tr>
<td>Mathematics (Area III)</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Principles of Accounting</td>
<td>3</td>
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<tr>
<td>General Electives (Area I, II or III)</td>
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<td>6</td>
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SOPHOMORE YEAR:

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<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics (Area II)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td>3</td>
<td>—</td>
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<tr>
<td>Business Statistics</td>
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JUNIOR YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Business Law</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Price Theory</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Cost Accounting</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Principles of Income Taxation (a)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>General Electives (Area I, II or III)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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SENIOR YEAR:

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<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Auditing</td>
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<tr>
<td>Human Relations</td>
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<td>3</td>
</tr>
<tr>
<td>Business Communications</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Income and Employment</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Basic Marketing Management</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Business Electives (b)</td>
<td>8</td>
<td>5</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>17</strong></td>
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</tbody>
</table>

(a) Tax Factors in Business Decisions may be taken to satisfy this requirement.
(b) With the permission of the student's advisor, additional accounting courses or arts and science courses may be substituted.
**INFORMATION SCIENCES MAJOR**

*Business Administration Program*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition (Area I)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (Area III)</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>General Electives (Area I, II, or III)</td>
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<td>6</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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</thead>
<tbody>
<tr>
<td>Principles of Economics (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td>3</td>
</tr>
<tr>
<td>Programming Techniques</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics (GB-207)</td>
<td>3</td>
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<tr>
<td>General Electives (Area I, II, or III)</td>
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<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
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<tbody>
<tr>
<td>Business Law</td>
<td>3</td>
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<tr>
<td>Cost Accounting</td>
<td>3</td>
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<tr>
<td>Managerial Accounting</td>
<td>3</td>
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<tr>
<td>Simulation Techniques</td>
<td>3</td>
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<tr>
<td>Business Statistics (GB-306)</td>
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<tr>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>Principles of Finance</td>
<td>3</td>
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<tr>
<td>Programming Systems — COBOL</td>
<td>3</td>
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<tr>
<td>General Electives (Area I, II, or III)</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>SENIOR YEAR</th>
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<tbody>
<tr>
<td>Price Theory</td>
<td>3</td>
</tr>
<tr>
<td>Basic Marketing Management</td>
<td>3</td>
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<tr>
<td>Human Relations</td>
<td>3</td>
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<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Data Processing Applications</td>
<td>3</td>
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<td>Quantitative Analysis for Business Decisions</td>
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<tr>
<td>Economics Elective</td>
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<td>Electives*</td>
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**BUSINESS EDUCATION MAJOR**

*(Basic Business Option)*

*Business Administration Program*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition (Area I)</td>
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<tr>
<td>Introduction to Business</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Business English</td>
<td>3</td>
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<tr>
<td>General Psychology (Area II)</td>
<td>3</td>
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<tr>
<td>Business Math/Machines</td>
<td>3</td>
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<td>Mathematics (Area III)</td>
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<td>Area I Electives</td>
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<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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<tbody>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
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<tr>
<td>Principles of Economics (Area II)</td>
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<tr>
<td>Area III Elective</td>
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<tr>
<td>Beginning and Intermediate Typewriting</td>
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<td>Foundations of Education</td>
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<td>Business Statistics</td>
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<td>Electives (from 2 of 3 areas)</td>
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<td><strong>Total</strong></td>
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<thead>
<tr>
<th>JUNIOR YEAR</th>
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<tbody>
<tr>
<td>Intermediate Accounting</td>
<td>3</td>
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<tr>
<td>Introduction to Data Processing</td>
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<td>Basic Marketing Management</td>
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<tr>
<td>Business Communications</td>
<td>3</td>
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<tr>
<td>Secondary School Methods</td>
<td>3</td>
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<tr>
<td>Business Law</td>
<td>3</td>
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<tr>
<td>Money and Banking</td>
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<tr>
<td>Electives</td>
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<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>SENIOR YEAR</th>
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<tbody>
<tr>
<td>U.D. Economics</td>
<td>3</td>
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<tr>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>Methods in Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Business Curriculum and Problems</td>
<td>3</td>
</tr>
<tr>
<td>Speech Communication for Teachers (Area II)</td>
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<td>Educational Psychology</td>
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<td>Business Student Teaching</td>
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* May be waived if advanced placement is granted because of prior work, but at least two credits of typing at the intermediate level or above is required.
### SCHOOL OF BUSINESS

#### Business Education

#### BUSINESS EDUCATION MAJOR

(Shorthand Option)

**Bachelor of Business Administration Program**

#### FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM.</th>
<th>2nd SEM.</th>
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<tbody>
<tr>
<td>English Composition (Area I)</td>
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<tr>
<td>Introduction to Business</td>
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<td>Business English</td>
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<td>General Psychology (Area II)</td>
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<td>Merchandise Analysis</td>
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<td>Retailing</td>
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#### SOPHOMORE YEAR:

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<td>Principles of Economics (Area II)</td>
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<td>Retail Buying</td>
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#### JUNIOR YEAR:

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<tbody>
<tr>
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<td>Introduction to Data Processing</td>
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<tr>
<td>Principles of Management</td>
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<td>Business Law</td>
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<td>Secondary School Methods</td>
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<tr>
<td>Vocational Education (Principles and Organization)</td>
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<td>Records Preparation and Management</td>
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<tr>
<td>Speech Communication for Teachers (Area II)</td>
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<td>Educational Psychology</td>
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*May be waived if advanced placement is granted because of prior work, but at least two credits of typing at the intermediate level or above is required.*
### ECONOMICS MAJOR
Bachelor of Arts Program

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<tr>
<td>History</td>
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<tr>
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| SOPHOMORE YEAR | | |
|----------------|---------------------------|
| Economics      | 3 | 3 |
| Literature     | — | — |
| Area I Elective (Field Three)* | — | 3 |
| Science        | — | 4 |
| Principles of Accounting | 3 | — |
| Introduction to Data Processing | 3 | — |
| Electives      | 5 | 7 |

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<td>Price Theory</td>
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<td>Income and Employment</td>
<td>3</td>
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<tr>
<td>Principles of Finance</td>
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<td>Business Statistics</td>
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<td>Economics Electives</td>
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<tr>
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</tbody>
</table>

* See page 31 for clarification of fields in B.A. degree.

** Electives should be chosen mainly from upper division courses.

*** Must include hours in at least two of the three definitive areas as listed on page 32 of the catalog.

### ECONOMICS MAJOR
Bachelor of Business Administration Degree

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| SOPHOMORE YEAR | | |
|----------------|---------------------------|
| Economics      | 3 | 3 |
| Science        | 3-4 | — |
| Non-Business Elective*** | 6 | 5 |
| Principles of Accounting | 3 | 3 |
| Introduction to Data Processing | 3 | — |
| Elective      | 3 | — |

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<tbody>
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<td>Income and Employment</td>
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<td>Business Law</td>
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<td>Non-Business Elective**</td>
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<td>Economics Electives</td>
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</table>

The General Business major has the choice of two directions in the pursuit of a Bachelor of Business Administration degree. The student may elect to major in General Business with an area of emphasis in either Aviation Management, Public Relations or Real Estate, or may elect the General Business major with no area of emphasis. This latter option allows the student to gain additional knowledge in all areas of business without concentrating in any area.
GENERAL BUSINESS
(with area of emphasis)
Bachelor of Business Administration Program

FRESHMAN YEAR:

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<td>Introduction to Business</td>
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<tr>
<td>General Psychology (Area II)</td>
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<td>Math (Area III)</td>
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<td>Area I Elective</td>
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<tr>
<td>Fundamentals of Speech</td>
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<tr>
<td>Communication (Area III)</td>
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<tr>
<td>Area III Elective</td>
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SOPHOMORE YEAR:

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<td>Business Statistics</td>
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<td>Introduction to Data Processing</td>
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JUNIOR YEAR:

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<tr>
<td>Basic Marketing Management</td>
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<tr>
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<tr>
<td>Principles of Finance</td>
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</tr>
<tr>
<td>Price Theory</td>
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<td>Income and Employment</td>
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SENIOR YEAR:

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AREAS OF EMPHASIS

(Each General Business major chooses one option)

(a) Aviation Management (Note 1) — 15 credits chosen from Aviation Ground School, Private Pilot Flight Lab, Principles of Transportation, Airport Management and Airline-Air Cargo Management.


(c) Real Estate — 12 credits to include RE-201 Fundamentals of Real Estate; RE-331 Appraisal of Real Estate, and RE-332 Real Estate Finance; and 3 credits chosen from (1) Insurance, (2) Urban Economics, (3) Investment Management, (4) Principles of Salesmanship, (5) Tax Factors in Business Decisions, (6) Other Special Topics offerings in Real Estate.

(d) General Business (no emphasis) — See General Business Major, following.

NOTE 1. A student majoring in the Aviation Management emphasis in General Business may receive 6 semester hours of credit toward the degree if he already has possession of a private or commercial flying certificate in force at the time of application. These six credits would be assigned a grade of "S" and not counted in the computation of grade point average. Further, the student must be of senior standing and a candidate for a degree.

The individual student would file a written petition for the credit with photostatic copies of his private pilot's license, current medical certificate, and current Idaho state pilot's registration certificate.

Approval of the petition would be required of the flight program director, Chairman of the Department of Management and Finance and Dean of the School of Business.

The credits would be recorded as AV 101 and AV 121-122.

It is emphasized that such credits would apply only to a degree with the Aviation Management emphasis and not toward any other major in the college.

GENERAL BUSINESS MAJOR
(No area of emphasis)
Bachelor of Business Administration Program

FRESHMAN YEAR:

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<td>Introduction to Business</td>
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<tr>
<td>General Psychology (Area II)</td>
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<td>Math (Area III)</td>
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<td>Principles of Finance</td>
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<td>Price Theory</td>
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# School of Business

## General Business

### Industrial Business Major

Bachelor of Business Administration Program

#### Production Option

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<td>Introduction to Mechanics</td>
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<tr>
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<td>Quantitative Methods</td>
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#### Suggested Electives

**Production Option**

- Principles of Transportation
- Wage and Salary Administration
- Intro to Electrical Engineering
- Fluid Mechanics
- Labor Relations
- Price Theory
- Thermodynamics and Heat Transfer

**Sales Option**

- Intermediate Marketing Management
- Advanced Marketing Management
- Promotion Management
- Applied Market Research
- Intro to Electrical Engineering
- Thermodynamics and Heat Transfer

#### Sales Option

<table>
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<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>English Composition</td>
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<td>Algebra, Trig., Calculus</td>
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<td>Area I Elective</td>
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<tr>
<td>Principles of Management</td>
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<td>Consumer Behavior</td>
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<tbody>
<tr>
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<td>Principles of Finance</td>
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<td><strong>15</strong></td>
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</table>
### FINANCE MAJOR
Bachelor of Business Administration Program

**FRESHMAN YEAR:**
- English Composition (Area I) 3
- Introduction to Business 
- General Psychology (Area II) 3
- Mathematics 4
- Fundamentals of Speech Communication (Area I) 3
- Area I Electives 3
- Area I, II, III Electives 

16

**SOPHOMORE YEAR:**
- Principles of Economics (Area II) 3
- Principles of Accounting 3
- Introduction to Data Processing 3
- Science Elective (Area III) 
- General Electives (Area I, II or III) 6
- Business Statistics 3

16

**JUNIOR YEAR:**
- Basic Marketing Management 3
- Principles of Management 
- Principles of Finance 
- Price Theory 
- Business Communications 
- Business Law 
- Money and Banking 
- Corporate Financial Management 
- Investment Management 
- General Electives 

15

**SENIOR YEAR:**
- Case Problems in Financial Management 
- Management of Financial Institutions 
- Electives 

15

**MANAGEMENT MAJOR**
Bachelor of Business Administration Program

**FRESHMAN YEAR:**
- English Comp. (Area I) 3
- Intro. to Business 
- General Psych. (Area II) 
- Math (Area III) 4
- Area I Elective 
- Fundamentals of Speech Communications 
- Area III Elective 

16

**SOPHOMORE YEAR:**
- Economics (Area III) 3
- Principles of Accounting 3
- Business Statistics 
- Intro. to Data Processing 
- General Electives (Areas I, II, or III) 7

15

**JUNIOR YEAR:**
- Basic Marketing Management 
- Business Law 
- Principles of Finance 
- Business Communications 
- Principles of Management 
- Personnel Management 
- Labor Relations 
- Price Theory 
- Income and Employment 
- Elective 

15

**SENIOR YEAR:**
- Human Relations 
- Behavioral Management 
- Production Management 
- Quantitative Analysis 
- Wage and Salary Administration 
- Business Policies 
- Government and Business 
- Electives 

15

**MARKETING MAJOR**
Bachelor of Business Administration Program

**FRESHMAN YEAR:**
- English Composition 3
- Introduction to Business 3
- General Psychology** 3
- Mathematics 4
- Area I Electives* 3
- Electives** 

16

**SOPHOMORE YEAR:**
- Principles of Economics 3
- Principles of Accounting 3
- Introduction to Sociology** 
- Fundamentals of Speech Communication*** 
- Introduction to Data Processing 
- Physical or Biological Science Elective*** 
- Electives** 
- Business Statistics 

16

**JUNIOR YEAR:**
- Basic Marketing Management* 
- Business Law 
- Price Theory 
- Income & Employment Theory 
- Principles of Finance 
- Principles of Management 
- Business Communication 
- Marketing Electives 
- Principles of Salesmanship 
- Electives** 

15

**SENIOR YEAR:**
- Intermediate Marketing Management* 
- Advanced Marketing Management* 
- Marketing Electives 
- Human Relations 
- Electives*** 

15

*See course descriptions for former course titles.
**Counts as part of the six hour Area II requirement other than in economics. (see page 32)

***At least 16 hours of electives must be outside of the School of Business. The 16 hours must include hours from at least two of the three defined areas, I, II, III. Fundamentals of Speech Communication counts as three of these 16 hours. (see page 32)
Two Year Programs

MARKETING CORE (12 hours):
Required for all Marketing Majors.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MM-101</td>
<td>Principles of Salesmanship</td>
</tr>
<tr>
<td>MK-301</td>
<td>Basic Marketing Management</td>
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<tr>
<td>MK-405</td>
<td>Intermediate Marketing Management</td>
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<tr>
<td>MK-425</td>
<td>Advanced Marketing Management</td>
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</table>

MARKETING ELECTIVES (12 hours):
Choose any four of the following courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MK-306</td>
<td>Promotion Management</td>
</tr>
<tr>
<td>MK-307</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>MK-416 G</td>
<td>Marketing Research</td>
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<tr>
<td>MK-420</td>
<td>Applied Marketing Research</td>
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<tr>
<td>MK-421</td>
<td>Sales Administration</td>
</tr>
<tr>
<td>MK-496</td>
<td>Independent Study or MK-493 Internship</td>
</tr>
<tr>
<td>EC-317</td>
<td>International Economics</td>
</tr>
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</table>

Your Marketing advisor will help you select the 12 hours of Marketing electives and any other open electives you want to take to prepare yourself for a career in marketing. For example, if you are interested in a career in an area such as sales, advertising, retailing, or marketing research, a program of marketing electives and open electives can be developed to best suit your individual goals. Consult your Marketing advisor.

OFFICE ADMINISTRATION MAJOR
Bachelor of Business Administration Program

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition (Area I)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Beginning and Intermediate Typewriting*</td>
<td>2</td>
</tr>
<tr>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology (Area II)</td>
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</tr>
<tr>
<td>Mathematics (Area III)</td>
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<tr>
<td>Area I Elective</td>
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SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Area I Elective</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Beginning and Intermediate Shorthand*</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of Speech Communications</td>
<td>3</td>
</tr>
<tr>
<td>Advanced and Production Typewriting</td>
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<tr>
<td>Area III Elective</td>
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<tr>
<td>Electives (from 2 of 3 areas)</td>
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JUNIOR YEAR:

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<tbody>
<tr>
<td>Principles of Economics (Area II)</td>
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<tr>
<td>Advanced Shorthand and Secretarial</td>
<td>4</td>
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<tr>
<td>Transcription</td>
<td>4</td>
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<td>Basic Marketing Management</td>
<td>3</td>
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<tr>
<td>Business Law</td>
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<td>Introduction to Data Processing</td>
<td>3</td>
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<td>Business Statistics</td>
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<tr>
<td>Upper Division Electives</td>
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SENIOR YEAR:

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<tbody>
<tr>
<td>Business Communications</td>
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<tr>
<td>Records Preparation and Management</td>
<td>3</td>
</tr>
<tr>
<td>Administrative Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Business Math/Machines</td>
<td>3</td>
</tr>
<tr>
<td>Office Management</td>
<td>3</td>
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<tr>
<td>Human Relations</td>
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TWO YEAR PROGRAMS * FASHION MERCHANDISING ** MID-MANAGEMENT

FRESHMAN YEAR:

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<tbody>
<tr>
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<tr>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>Salesmanship</td>
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</tr>
<tr>
<td>Clothing</td>
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<tr>
<td>Business Math/Machines</td>
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<tr>
<td>Clothing Selection</td>
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<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>Elements of Management</td>
<td>3</td>
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<tr>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
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<tr>
<td>Elective</td>
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SOPHOMORE YEAR:

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<tbody>
<tr>
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<tr>
<td>Fashion Analysis and Design</td>
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<tr>
<td>Professional Speech Communication</td>
<td>2</td>
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<tr>
<td>Retail Buying</td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
<td>2</td>
</tr>
<tr>
<td>Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Retailing</td>
<td>3</td>
</tr>
<tr>
<td>Visual Merchandising</td>
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<tr>
<td>Supervision of Personnel</td>
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</table>

** For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSC Department of Marketing/Mid-Management.

* Students who meet all listed courses under 2-year programs will be awarded the Associate of Science degree. Diplomas will not be awarded to partial completion of requirements.

* May be waived if advanced placement is granted because of prior work.
MARKETING — MID-MANAGEMENT *

FRESHMAN YEAR:

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<tr>
<td>Salesmanship</td>
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<tr>
<td>Principles of Accounting</td>
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<tr>
<td>Merchandise Analysis</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<td>2</td>
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<tr>
<td>Elements of Management</td>
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<tr>
<td>Professional Speech-Communication</td>
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SOPHOMORE YEAR:

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<tr>
<td>Principles of Retailing</td>
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</tr>
<tr>
<td>Principles of Economics</td>
<td>3</td>
<td>—</td>
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<tr>
<td>Visual Merchandising</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Report Writing</td>
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<td>—</td>
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<tr>
<td>Supervision of Personnel</td>
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<td>3</td>
</tr>
<tr>
<td>Retail Buying</td>
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<td>—</td>
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<tr>
<td>Credit and Collections</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<tr>
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TOTAL: 16 16

*For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSC Department of Marketing/Mid-Management.

SECRETARIAL SCIENCE

FRESHMAN YEAR:

<table>
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<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
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<td>4</td>
</tr>
<tr>
<td>Beginning Typing and Intermediate Typing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Business Math/Machines</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Business English</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>—</td>
<td>3</td>
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<tr>
<td>Elective</td>
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SOPHOMORE YEAR:

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<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Advanced Shorthand and Transcription</td>
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<td>4</td>
</tr>
<tr>
<td>Advanced Typewriting and Production</td>
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<td>3</td>
</tr>
<tr>
<td>Typewriting</td>
<td>2</td>
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<tr>
<td>Records Preparation and Management</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Administrative Office Procedures</td>
<td>—</td>
<td>3</td>
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<tr>
<td>Economics or Psychology</td>
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<td>2</td>
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<tr>
<td>Secretarial Writing</td>
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<tr>
<td>Electives</td>
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</tbody>
</table>

TOTAL: 15 17

SCHOOL OF BUSINESS
Courses — AC

Course Descriptions

AC ACCOUNTING

Lower Division

203-204 Principles of Accounting — 3 credits
(Previously 101-102)
A study of the function of accounting in the business world.
A logical development of the subject through the use of the
Balance Sheet, the Profit and Loss, and other statements. Sub-
sidary ledgers, voucher system, payroll accounting, and income
tax accounting are included. Each semester.

Upper Division

303-304 Intermediate Accounting — 3 credits
(Previously AC 201-202)
A rapid review of basic accounting principles and pro-
cedures, followed by problems relating to the valuation and pres-
entation of property, liability, and corporate proprietorship items,
and the measurement of profit and loss. Analytical accounting
procedures, and the preparation of advanced working sheets and
comprehensive corporate financial statements; development of
special reports, ratios and other analyses. Prerequisite: AC-204
or the equivalent. Each semester.

310 Administrative Accounting — 3 credits
A one-semester course designed primarily for students working
ward toward a degree in General Business, Management, Marketing, and
Finance. Emphasis is on the use of accounting data for internal
management decisions including an introduction to such areas as
funds and cash flows, cost accounting, cost-volume-profit
relationships, budgeting, cost and value of information models, and
the influence of taxes on business decisions. Attention is also given
to the analysis and interpretation of financial data. This course is
not a substitute for AC 351 in the accounting program and may not
be submitted for degree credit by accounting majors. Prerequisite:
AC 204. Each semester.

320 Tax Factors in Business Decisions — 3 credits
A general introduction for students and businessmen who,
while not tax specialists, need an awareness of the impact of
federal income taxes on business decisions. This course will
explore the areas of federal income, estate and gift tax laws as
they affect business operating and financing decisions. Degree
credit will not be allowed for both AC 320 and AC 401. Prere-
quisite: AC-204. Each semester.

351 Cost Accounting — 3 credits
(Previously AC 301)
Theory of cost accounting and cost control, including job
order, process, direct and standard costs, budgeting and break-
even analyses. Emphasis on cost determination as a tool of
management. Prerequisite: AC-204. Each semester.

352 Managerial Accounting — 3 credits
A study of the development and uses of internal accounting
information in management planning, control, and decision pro-
cesses. Topics include operations and capital budgeting, beh-
avioral implications, computer applications, and analytical
methods such as gross profit, breakeven, and incremental cost
analysis. Prerequisite: AC-351. Each semester.

360 Governmental Accounting — 3 credits
A study of the accounting principles applicable to institutions,
nonprofit agencies, governmental units, and political subdivisions.
The supporting theory, procedures, legal and reporting
requirements, programmed budgeting, and cost-benefit analyses are
considered. Prerequisite: AC 204. Fall semester.
Courses - AC, AV, BE

401 Principles of Income Taxation — 3 credits
(Previously Individual Income Tax)
The theory and application of Federal income taxes to individuals, including an introduction to F.I.C.A. and Unemployment taxes and an introduction to State income taxes. Degree credit will not be allowed for both AC-320 Tax Factors in Business Decisions and AC-401. Prerequisite: AC 204. Fall semester.

402 Advanced Income Taxation — 3 credits
(Previously Corporation Taxation)
The theory and application of the Federal income tax to corporations organized for profit, and an introduction to partnership, trust, and estate and gift taxation. Prerequisites: AC-304 and either AC-320 or AC-401. Spring semester.

405 Auditing — 3 credits
The study of auditing techniques and procedures. Includes various auditing problems and the determination of appropriate auditing procedures. Preparation of audit practice cases and audit reports. Prerequisite: AC-304. Each semester.

420 Systems Analysis and Design — 3 credits
Concepts and techniques of the design of information systems. Topics include Systems Theory, Data Collection, Classification, Transmission, and Display. On-line Systems and Time-sharing. Course identical to DP-420. Credit may not be earned for both courses, DP 420 and AC 420. Prerequisites: DP-210 and AC-401. Spring semester.

440G Accounting Theory — 3 credits
A specialized course to provide a frame of reference for advanced accounting students in theory of income, in asset valuation, and in the history of accounting thought. Recommended for those students planning on the CPA examination. Prerequisite: AC-304. Spring semester.

450 Data Processing for the Accountant — 3 credits
A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer will be used as the problem solving tool in the three above mentioned areas. Prerequisites: AC-405 and DP-210. Spring semester.

470 Advanced Accounting — 3 credits
Covers accounting problems and techniques for accounting for business combinations, the determination of consolidated income, consolidated financial position, and the preparation of consolidated financial statements. Also covers accounting problems of home office, branch operations, partnerships, and consignments. Prerequisites: AC-304 and AC-351. Fall semester.

482 C.P.A. Review — 3 credits
An in-depth consideration of the more complex accounting principles and procedures taught on the undergraduate level. This course is designed to assist the student in preparing for the Certified Public Accountant examination. Prerequisite: AC 405. Each semester.

AV - AVIATION MANAGEMENT

Lower Division

101 Aviation Ground School — 3 credits
Survey of basic aerodynamics, meteorology, navigation, and Federal Aviation Agency regulations. At termination, the student will take the FAA Private Pilot examination. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. Either semester.

121 Private Pilot Flight Laboratory — 1 credit
Training to include at least 16 hours of flight time. In addition the course will include ground-time to familiarize and train the student in airplane equipment, preflight, take-off and landings, and other requirements as established by the Federal Aviation Agency. Either semester.

122 Private Pilot Flight Laboratory — 2 credits
Exceeds the minimum flight-hours necessary to satisfy the FAA for completion of the private pilot certificate. Students must have logged a minimum of 45 hours including 15 hours of dual instruction and 15 hours of oral instruction, and satisfactorily completed the flight examination administered by a FAA flight examiner. Prerequisite: AV 121 and successful completion of FAA written examination for Private Pilot Certificate. Either semester.

201 Commercial Pilot Ground School — 3 credits
The study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. Prerequisite: Private Pilot Certificate. Each semester.

Upper Division

331 Airport Management — 3 credits
Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 203. Fall semester.

351 Airline and Air Cargo Management — 3 credits
The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management. Spring semester.

BE BUSINESS EDUCATION

Upper Division

401 Methods in Business Education — 3 credits
Methods and materials of instruction in business subjects. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching. Fall semester.

409 Methods and Materials in Distributive Education — 2 credits
Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Fall semester.

421 Business Curriculum and Problems — 3 credits
A seminar type class dealing with current problems and issues facing business teachers in the fields of curriculum, research, and class content. Individual research and presentation is emphasized. Spring semester.

441 Principles and Organization of Vocational Education Programs — 3 credits

443 Administration and Coordination of Cooperative Programs — 3 credits
Selection, guidance, placement, and follow-up of students in training stations. Fall semester.

471 Business Student Teaching — 6 credits
Supervised teaching under the direction of qualified business teacher-education specialists. Prerequisite: BE 401 and permission of director. Spring semester.

*Flight lab fees in addition to other tuition and fees will be charged.
DP - DATA PROCESSING

Lower Division

210 Introduction to Data Processing - 3 credits
(Previously DP 311)
A general interest course to acquaint business students with the fundamentals and principles upon which data processing is based. The logic and reasoning of programming as utilized in data processing is also explored. Recommended to take M 105 and AC 202 prior to this course. Each semester.

Upper Division

320 Programming Techniques - 3 credits
A survey of programming systems used in computer processing and an introduction to the latest computer systems. Coverage of general concepts, logic and techniques of computer programming including flow charting, input, processing and output. Prerequisite: DP 210 or equivalent. Each semester.

345 Simulation Techniques - 3 credits
Basic concepts in simulation; simulation in business including inventory systems and scheduling systems; simulation of decision-making by individuals and group organizations. Models of varying levels of sophistication will be considered and implemented in Fortran IV and other available simulation languages. Prerequisite: DP 320 and M 106. Fall semester.

360 Programming Systems - COBOL - 3 credits
A specific course based on the COBOL programming language that will give the student a capability to write highly sophisticated programs pertaining to business data processing problems. Prerequisite: DP 320 or equivalent. Spring semester.

405 Data Processing Applications - 3 credits
An in-depth study of current business computer applications, information retrieval, the function of data processing in the business organization, feasibility study concepts, and data base considerations. Prerequisite: DP-360. Fall semester.

420 Systems Analysis and Design - 3 credits
Concepts and techniques of the design of information systems. Topics include systems theory, Data Collection, Classification, Transmission, and Display: On-line Systems and Time Sharing. Course identical to AC-420. Credit may not be earned for both courses, AC-420 and DP-420. Prerequisites: DP-210 and AC-204. Spring semester.

EC ECONOMICS

Lower Division

201 Principles of Economics - Macroeconomics - 3 credits
Introduction to basic macroeconomic analysis with emphasis on current economic issues. Development of the theory of income determination, fiscal and monetary policy, and business fluctuations are considered. Each semester.

202 Principles of Economics - Microeconomics - 3 credits
Microeconomic analysis: basic assumptions, vocabulary, structure of the economy; business organization and operation, factors of production; specialization; nature of supply and demand, the price system, distribution of income wages, interest, rent, and profits. Each semester.

210 Contemporary Economic Problems - 3 credits
The study of the economic system from the viewpoint of the consumer. A survey of the field of economics in one semester designed especially, but not exclusively, for the non-business student. Fall semester. (Not allowed as part of Economics Major Requirements.)

219 Environmental Economic Problems: Economics and The Quality of Life - 3 credits
Choices must be made between the kind of economic growth society wants and the resulting quality of life. Environmental impacts of growth, including air, water and noise pollution, urban congestion, natural resource depletion and population pressures will be examined. Policy prescriptions and economic implications of environmental control will be discussed. Fall semester.

Upper Division

301 Money and Banking - 3 credits
The role of money, credit, and banking in the U.S. economy. It emphasizes monetary theory as an analytical and policy tool for the exploration and solution of national economic problems. Prerequisite: EC-201. Each semester.

303 Price Theory - 3 credits

305 Income and Employment - 3 credits

310 Public Finance - 3 credits

311 History of Economic Thought - 3 credits
Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202. Fall semester.

315 Comparative Economic Systems - 3 credits
A study of the economic efficiency of political systems and a comparison with the goals and efficiency of the free enterprise capitalistic system. Prerequisite: EC-201-202. Spring semester.

317 International Economics - 3 credits
The benefits, costs and pattern of world trade and investment. Tariffs, quotas, and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payments disequilibrium for national policy. The mechanisms and analysis of international payments adjustment and the institutions of the international monetary system. Prerequisite: EC 201 and EC 202. Spring semester.

321 Regional Economics - 3 credits
Application of economic analysis to regional problems of structure, growth and development. Location theory, various growth models, and specific techniques of analysis such as input-output tables will be developed. Prerequisite: EC 305. Fall semester.

322 Urban Economics - 3 credits
Exploration of the problems of urban areas using the techniques of urban analysis. The course will focus on the structure of the urban areas, locational patterns, housing, pollution, poverty, financial, and transportation problems. Prerequisite: EC 321. Spring semester.

405 Business Cycles and Forecasting - 3 credits
Business cycles, their history, nature and causes. Forecasting and control of the business cycle. Instability in aggregate economic activity, and the rate of growth of the economy. Prerequisite: EC 305. Fall semester.
SCHOOL OF BUSINESS
Courses — EC, FI, GB

417 U.S. Economic History — 3 credits
This course deals with 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. Prerequisite: EC 201-202 or permission of the instructor. Spring semester. Offered in alternate years by the Economics and by the History Department, and cross-numbered as EC/HY 417.

421G-422G Econometrics — 3 credits
Study and application of the principle mathematical equations used in economics. Designed to acquaint the student with a mathematical approach to economic theory. Prerequisite: Math 106 or equivalent and permission of the instructor. 421G Fall - 422G Spring.

FI FINANCE

107 Personal Finance — 3 credits
Aid in meeting the growing complexity of finance as the consumer encounters it: How to avoid financial entanglements, installment buying, borrowing money, owning or renting a home, investing and speculating in securities, everyday legal problems dealing with illness, death, personal taxes, family budgets, check writing, and financial planning. Either semester.

109 Stocks and Bonds — 2 credits
Elementary security analysis; sources of investment information; objectives of an investment program; history of the New York Stock Exchange; characteristics of various types of bonds and stocks; economic, industrial, and company factors influencing an investment program; brokerage office and floor procedures, economic factors relating to the 1960's role of venture capital in our economic system: procedures used in incorporating and underwriting, study of balance sheets and income statements. Either semester.

303 Principles of Finance — 3 credits
(Previously FI 301 - Corporate Finance)
A basic survey course of fundamental concepts and techniques of the three major areas of finance — Corporate, Institutional and Investments and their interrelationships. Prerequisite: AC 203, 204, EC 202, GB 207. Each semester.

325 Corporate Financial Management — 3 credits
(Previously FI 425)
A study of American corporations, their methods of capitalization, control, consolidation, and growth. An analysis of the decision making process with regard to capital budgeting, cost of capital, leasing vs. ownership, dividend policy, liquidity vs. profitability, and the tax consequences of these decisions. Diversified readings, case work, and a financial management computer game are utilized. Prerequisite: FI-303. Each semester.

350 Investment Management — 3 credits
An analysis of the setting for investments, analysis of risk and return, aggressive vs. defensive policies, programmed investment strategies, and the philosophies of portfolio management from the standpoint of banks, insurance companies, pension funds, and other financial institutions. Prerequisite: AC-102. Recommended. FI-303. Each semester.

417 Management of Financial Institutions — 3 credits
A study of the recent developments and changes in the American financial system from the perspective of the operating managers of the financial institutions. Analysis of the management techniques and problems of investment banks, commercial banks, mortgage banks, savings and loan associations, insurance companies, securities exchanges, trust companies, investment companies, and credit card companies forms the basis of the course. Prerequisite: FI 303, EC 301. Fall semester.

445 Case Problems in Financial Management — 3 credits
(Previously FI 345)
Analysis of selected case problems in financial management of the firm, including short- and long-term financial requirements, trade credit and analysis, special media of finance, capital budgeting and profit analysis. Prerequisites: FI-303 and FI-325. Spring semester.

GB GENERAL BUSINESS

Lower Division

101 Introduction to Business — 3 credits
A survey course designed to acquaint the student with the many phases of business. Serves as an introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Each semester.

207 Business Statistics — 3 credits
(Previously GB 305)
Collecting and tabulating data; statistical tables and charts; ratios, percentages and relatives; averages; measures of dispersion; probabilities; probability distribution; sampling theory and analysis of business change. Prerequisite: Math 106 or equivalent. Each semester.

Upper Division

301-302 Business Law — 3 credits
First semester — Nature and classification of the law, history of jurisprudence, real and personal property, and torts, contracts and agency. Second semester — Sales, security transactions, and commercial paper, business organization including partnerships, corporations, trusts, and estates. Each semester.

306 Business Statistics — 3 credits
The areas to be covered include concentration in hypothesis testing, time series analysis, index numbers, forecasting regression and correlation analysis and analysis of variance. The major emphasis in this course is on the business applications of these statistical tools, rather than the mathematical computations and/or derivations and proofs. Programming Systems, Fortran IV will be included. Prerequisite: GB 207. Spring semester.

325 Principles of Transportation — 3 credits
Economics of transportation services and rates. History and pattern of regulations. Explanations of various forms in common use in freight and passenger transportation and an introduction to governmental controls and service and management problems of industrial traffic managers. Spring semester.

340 Labor Relations — 3 credits
A comprehensive study of the negotiation and administration of today's labor-management issues. Presents the historical, structural, and legal environment and examines the contents of labor contracts. Emphasis is placed on the basic principles of labor relations and how they affect American business. Fall semester.

441G Government and Business — 3 credits
A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included. Spring semester.

450 Business Policies — 3 credits
The utilization of complex situational cases, role playing, in-depth research, and a business simulation exercise to achieve integration of specialized functional knowledge. Either semester.
466 Quantitative Analysis for Business Decisions
   — 3 credits
   Quantitative techniques including "normal distribution" and
   other related probability distributions as applied to sampling
   theory and quality control. Also includes discussions of payoff
   tables, expected values, bidding models, queuing theory and
   linear programming. Examination of PERT and CPM as well as
   simulation, regression analysis and inventory models. Prerequi-
   site: GB 207 or GB 306. Spring semester.

MG MANAGEMENT
   Upper Division

301 Principles of Management — 3 credits
   Basic functions and principles of management with empha-
   sis on relationships between workers and management; the
   planning, organizing, and controlling of personnel, decision mak-
   ing procedures and techniques. Either semester.

305 Personnel Management — 3 credits
   The managerial problems of integrating individuals and
   groups into an effective organizational framework. Emphasis is
   on interpersonal relations, leadership styles, employee motiva-
   tion techniques and staff functions. Business, government and
   institutional approaches to the personnel function are exam-
   ined and compared. Either semester.

306 Wage and Salary Administration — 3 credits.
   Involves the installation and administration of a compre-
   hensive Wage and Salary Program, including objectives, policies,
   organization, control, and job evaluation. Emphasis will also be
   placed on the techniques of winning and maintaining acceptance
   of the total Wage and Salary Program. Prerequisite: MG-301.

307 Production Management — 3 credits
   Decision making in Production Planning, types of decisions
   and variables involved, possibilities for quantification of vari-
   ables, criteria for decisions, methods of analysis, and applica-
   tion. The application of modern analysis in the solution of prac-
   tical production problems. Prerequisite: MG-301.

311 Business and Its Social Responsibilities — 3 credits
   An examination of the impact of business on society, and the
   expanding role of business in contributing to the solution of the
   significant problems facing society, such as environmental
   degradation, the equitable treatment of minorities, consumer
   protection, and community relations. Spring semester.

317 Small Business Management — 3 credits
   A study of the unique and distinct problems encountered by
   small business organizations. This course covers the topics of
   locating, financing, staffing, marketing and regulating the small
   business. Emphasis will be placed on small business management
   techniques as they apply to service, retail and production oriented
   small businesses. Either semester.

401 Human Relations — 3 credits
   Relationships among managerial, supervisory, and other
   workers. Approaches useful in solving human relations prob-
   lems in business. Case studies of business problems. Either
   semester.

405 Behavioral Management — 3 credits
   Business application of behavioral sciences. Individual, in-
   terpersonal, social, political and structural factors in business
   organizations. Functions of leadership, authority, power and
   influence in organizational structure. Dynamics and theories of
   organization. Measurement of need for and process of change
   in business organizations. Prerequisites: MG-301 Principles of

MK MARKETING
   Upper Division

301 Basic Marketing Management — 3 credits
   (Formerly Principles of Marketing)
   Description and analysis of the marketing processes. Meth-
   ods, policies, and problems involved in the distribution process
   with an evaluation of marketing institutions and middle men
   according to the functions they perform. A survey of industrial
   and consumer markets and their relationship to both production
   and distribution. Each semester.

306 Promotion Management — 3 credits
   (Formerly Prin. of Adv.)
   Presentation of the principles of advertising, sales promo-
   tion, public relations, and publicity strategies. Emphasis is placed
   on advertising management. Students should expect to work
   with business and/or advertising managers in completing class
   projects. Prerequisite: MK 301. Either semester.

307 Consumer Behavior — 3 credits
   Analysis of purchase and consumption behavior of the con-
   sumer. Relates marketing activities of the firm to social science
   research concerning the purchase, use, and meaning of goods
   and services. Prerequisite: MK 301. Either semester.

405 Intermediate Marketing Management — 3 credits
   (Formerly Marketing Management)
   Management techniques in the solution of problems of
   systems of distribution, administration of marketing channels,
   advertising in the firm's total marketing effort, administration
   of customer service policies, design of a physical distribution sys-
   tem, and composition of a marketing mix. Prerequisite: MK 301.
   Fall semester.

415G Marketing Research — 3 credits
   Consideration of the theory and use of research for particu-
   lar marketing problems: methodology of planning and con-
   ducting research studies in various marketing situations. Pre-
   requisite: MK 301. Spring semester.

420 Applied Marketing Research — 3 credits
   Designed to give the student actual experience in formal
   research. Representatives from the business community and
   governmental agencies will work closely with students in de-
   veloping marketing problem situations. Prerequisite: MK 415G.
   Either semester.

421 Sales Administration — 3 credits
   Management and administration of a sales organization,
   including recruiting, hiring, training, and supervising; establish-
   ment of territories; use of analytical tools as means of im-
   proving the effectiveness of salesmen. Prerequisite: MK 301.
   Spring semester.

425 Advanced Marketing Management — 3 credits
   (Formerly Marketing Strategy)
   The case study approach as applied to marketing problems.
   Emphasis is placed on problem definition, recognition of alter-
   native solutions, and defense of a "best" solution. Prerequi-
   sites: MI-301 and MK-405. Spring semester.

MM MARKETING, MID-MANAGEMENT
   Lower Division

100 Mid-Management Work Experience — 2 credits
   Open to students enrolled in the Mid-Management progra
   n only. The student may earn 2 semester hours' credit for a ma-
   ximum of four semesters or a total of 8 semester hours' credit.
   This provides actual experience in the retail, wholesale, or ser-
   vice business field as a paid employee. The student, the employ-
   er, and the program coordinator develop an individual program
   for each student. The student is evaluated by both the employer
   and the program coordinator. Each semester.
SCHOOL OF BUSINESS
Courses—RE, OA

101 Salesmanship—3 credits
(Fomerly MM 101—Retail Selling)
A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler, and manufacturer establishments; analysis of customer behavior and motivation; methods of creating customer attention, interest, desire, and action. Either semester.

102 Merchandise Analysis—3 credits
A study dealing with what the product is and what the product does for the customer. Provides methods and practice in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and non-textiles are surveyed. Spring semester.

105 Elements of Management—3 credits
A study of the functions of business management: planning, organizing, staffing, directing and controlling. Special consideration is given to the concept of organizational authority and responsibility. Either semester.

201 Introduction to Marketing—3 credits
The study of activities by which goods and services flow from the producer to the ultimate consumer. This study includes methods, policies, and evaluation of the various marketing institutions according to the function performed. Fall semester.

202 Principles of Retailing—3 credits
Comparison of small- and large-scale retailers. Problems of store ownership, organization, location, equipment, merchandising, planning and control. Expense and cost reduction and sales promotion are considered. Spring semester.

203 Visual Merchandising—3 credits
Objectives and policies of sales promotion; study of the media involved. Regulations of advertising. Coordination of other factors of sales promotion such as display, selling and other merchandising factors. Preparation of copy, illustrations, layout and display. Guest lecturers from the local Retail Assn. will be used. Fall semester.

206 Supervision of Personnel—3 credits
Economics of supervision, social and philosophical implications, training functions of the supervisor. Individual and organizational needs in regard to human relations are major points of study. Spring semester.

209 Report Writing—3 credits
Prepares the student to write reports for business situations. Emphasis is placed on the actual preparation of reports, research methods, and the readability of the finished product. Fall semester.

213 Credit and Collections—2 credits
A survey of the credit field including history, types, credit information, and the function of the credit department. Collection methods and procedures are given significant treatment. Spring semester.

215 Retail Buying—3 credits
Considers the buyer’s duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand. Fall semester.

RE REAL ESTATE

201 Fundamentals of Real Estate—3 credits
Essentials of real estate practice: listings, sales, financing, land descriptions, real estate investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions. Either semester.

Upper Division

320 Principles of Insurance—3 credits
(Previously CB 320)
A balanced presentation of the principles of insurance and policy analysis together with a discussion of the fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. Spring semester.

331 Appraisal of Real Estate—3 credits
(Previously GB 331)
The nature, purpose, and functions of appraising, appraising as a profession, the nature of real property and value, the appraisal process and economic trends. The techniques involved in determining the value of real estate. Prerequisite: RE 201. Either semester.

332 Real Estate Finance—3 credits
(Previously GB 332)
An examination of the intricacies of the real estate mortgage markets, the source of mortgage funds, instruments of mortgage debt, the federal government and mortgage markets, the lending decision, management of portfolio risk, and financing of specific types of real property. Prerequisite: RE 201. Either semester.

OA OFFICE ADMINISTRATION

Lower Division

101 Beginning Shorthand—4 credits
A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Credit will not be given to students who have completed one or more years of shorthand in high school. Recommended credit or current enrollment in OA 118. Prerequisite: demonstrated proficiency in typing or current enrollment in typing. Fall semester.

105 Beginning Typing—2 credits
Theory and keyboard operations on the typewriter; personal or business use. Credit will not be given to students who have completed one or more years of typing in high school. Fall semester.

107 Intermediate Typing—2 credits
Review of typing fundamentals for the development of speed and accuracy. Credit will not be given to students who have completed two years of high school typing. Either semester.

115 Business Mathematics/Machines—3 credits
Fundamental operations of arithmetic in concrete relation to business usage. Decimals, fractions, percentages, interest, discounts, markup, installment buying, depreciation, and graphs are considered, as well as some interpretation of financial papers. The student receives instruction on the ten-key printing calculator, the rotary calculator, and the electronic calculator. Either semester.

118 Business English—3 credits
Emphasis on building a foundation in grammar, punctuation, vocabulary, and spelling through continued practical application. Effectiveness and correctness of expression will be demonstrated in written assignments which will include summaries of articles and business letters. Prerequisite: Passing score on English Placement Test. Either semester.
121 Intermediate Shorthand — 4 credits
   Review of shorthand theory with much work in dictation and transcription to improve speed and accuracy. Credit will not be given to students who have completed two years of high school shorthand. Prerequisite: OA-101 or advanced placement from high school work. Either semester.

201 Advanced Shorthand — 4 credits
   Emphasis on the building of a broad shorthand vocabulary and the development of high speed in dictation with rapid transcription. Prerequisite: OA-121 or advanced placement from high school work. Either semester.

209 Advanced Typing — 2 credits
   Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA-107 or advanced placement from high school work. Either semester.

211 Production Typing — 2 credits
   Advanced work in the use of business forms, letters, legal documents, and tabulation on the typewriter. Prerequisite: OA-209. Spring semester.

221 Secretarial Transcription — 4 credits
   Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA-201. Spring semester.

240 Secretarial Writing — 2 credits
   An intensive course for secretarial students in letter writing, preparation of summaries and publicity releases. Punctuation and correct usage will be reviewed as needed. Prerequisite: OA-118. Spring semester.

Upper Division

309 Records Preparation and Management — 3 credits
   Creation, processing, maintenance, protection and destruction of business records. These topics will be covered both from the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed. Fall semester.

310 Administrative Office Procedures — 3 credits
   Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them. Spring semester.

317 Office Management — 3 credits
   A study of organization and management of an office, including personnel problems, records, ratings, the allocations of functions and responsibilities, and office supervision. Spring semester.

328 Business Communication — 3 credits
   Effective communication of written and oral ideas is stressed. Special emphasis is placed on psychology of letter writing as a management tool and on report writing and methods of interpreting reports. The course includes an introduction to office dictation. Either semester.

MASTER OF BUSINESS ADMINISTRATION

Objectives

The purpose of the Boise State College Program leading to the MBA Degree is to prepare the candidate for a career in business management. The curriculum is keyed to the needs of an individual who has just assumed or is preparing to assume additional broad managerial responsibilities and, since these students are pursuing graduate education concurrently with their employment, most of them will enter the program because either their present or future positions will require increased managerial competence.

The MBA curriculum at Boise State College emphasizes the development of managerial generalists, rather than specialists in any one field of business administration. To accomplish this result, the program has been fashioned with a maximum of flexibility to meet the needs of commerce and industry and the student. The student's program is analyzed, evaluated, determined and directed by an MBA advisor. It is intended that the student and his MBA advisor mutually develop a custom-designed curriculum to fit the student's background of course work and experience. In all cases, however, the MBA advisor retains approval/disapproval authority over student choices (beyond Core Requirements) to be taken for completion of the MBA degree.

General Prerequisites for Applicants

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet, and give promise of continuing to meet, the standards set by the School of Business of Boise State College. Common to all programs is a foundation of prerequisite courses in basic fields of business administration. Students presenting a bachelor's degree normally will have completed most or all of these requirements as part of their undergraduate program. Since, however, the Master of Business Administration program is also designed to serve the student who has completed his bachelor's degree in non-business fields such as the sciences, engineering, the liberal arts, the student must demonstrate proficiency in the prerequisite courses listed below. These prerequisites may be fulfilled by satisfactory completion of course work in these areas, or by successfully passing the appropriate CLEP examination.
SCHOOL OF BUSINESS
Graduate Program

Specific Prerequisites for Applicants

All applicants must meet the following undergraduate requirements or fulfill these requirements before entering upon the graduate program:

(a) Possession of bachelor's degree from an accredited institution
(b) GPA of 2.5 or above, or 2.75 for Junior Senior GPA.
(c) A score of 450 or better on Admissions Test for Graduate Study in Business (ATGSB). In addition, for foreign students a score of 525 on the TOEFL is necessary.
(d) Prerequisite courses or their equivalent:
   1. Accounting (equivalent to one year)
   2. Economics (equivalent to one year)
   3. Business Statistics
   4. Marketing
   5. Management
   6. Finance
   7. Data Processing
   8. College Level Mathematics (equivalent to one year)

*Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in 500 level courses.

The student may be required to remove other deficiencies as determined by the School of Business.

All applicants must be accepted by the Graduate School of Boise State College in order to achieve the MBA degree.

The Graduate Degree Program

The Master of Business Administration Graduate Program consists of a minimum of thirty (30) semester hours of credit selected from the offerings hereinafter listed and determined as follows:

Required Core Courses 12 credits
Electives (Chosen in consultation with the student's MBA advisor) 18 credits

In order to ensure breadth in this program, students are cautioned that no more than 6 credits of electives may be taken in any one specific field.

A maximum of nine (9) graduate credits may be accepted from other graduate schools upon request and a determination of acceptability. Students desiring transfer credits must apply on the Program Development form with appropriate supporting documents, transcripts, to the Dean, School of Business.

Candidates may elect a maximum of six (6) credit hours from the "400" level courses in the Undergraduate School of Business Program, as approved by the student's MBA advisor. (Only those courses designated G on the following page are approved.) These may be used to complete the thirty credit hour requirement for graduation.

Under certain conditions with the approval of the assigned advisor and the department chairman concerned, MBS students may earn up to a maximum of 3 credit hours of Independent Study or Internship credits which apply to graduation requirements.

Required Core Courses (12 credits)

MB-510 Business and its Environment — 3 credits
This course involves examination of the interaction between business and the economic, social, political and legal order. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business. Emphasis is placed on students testing their own values as they relate the appropriate responsibilities of business to its various publics.

MB-511 Business Research and Communication Techniques — 3 credits
Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytical ability for effective expression in reports, articles and other forms of operational communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group interpersonal communication situations as conferences, meetings and discussions.

MB-512 Quantitative Methods for Business Decisions — 3 credits
Quantitative techniques intended to familiarize the student with business applications of statistical methods as applied to decision making under uncertainty and risk. Includes production models, inventory control models, management models, marketing surveys and capital budgeting models, regression analysis, analysis of variance and sampling techniques. Prerequisite: M 561 (Math For Operations Research) or pass appropriate examination demonstrating sufficient background knowledge for this course of study.

MB-513 Business Policy Formulation — 3 credits
This course utilizes complex business cases, business simulation and specialized functional knowledge to determine business decisions, strategy and policies.
Elective Courses: (18 credits)

(Limit of 6 credits in any one specific field)

To Be Selected by the Candidate and His Advisor

MB-520 Marketing Problems — 3 credits
Analytical approach to marketing problem solving and decision making, covering market definition, personal selling, advertising and sales promotion, channels of distribution, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

MB-530 Financial Management — 3 credits
Analysis of financial problems and formulation of financial policies through case studies. Covers financing of current operations and long-term capital needs, income management and expansion policies.

MB-532 Accounting — Planning and Control — 3 credits
A study of the planning and control processes within an enterprise to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of improved techniques of cost planning and control.

MB-540 Organization Theory — 3 credits
Problems of organization dynamics and behavioral science research findings and their application to business organizations.

MB-541 Personnel Policy — 3 credits
Human resource administration is examined and critically analyzed as it applies to business, government and institutional organizations. Analysis of factors underlying managerial policy decisions relating to selection, development, and motivation of human resources and of the personnel programs designed to implement these decisions. Current trends in the personnel field are examined.

MB-542 Computer Applications for Management — 3 credits
A review and analysis of computer oriented applications used in reaching management decisions. Includes realistic applications presently used in the business environment of such techniques as linear programming, regression analysis, matrix analysis and other techniques vital to today's management.

MB-550 Managerial Economics — 3 credits
Application of economic concepts and analysis to the problem of formulating rational managerial decisions. Emphasis on measurement and forecasting of demand and costs, capital budgeting, profit objectives, market structure and pricing policies.

Selected Topics in the following functional areas will be offered as staff availability permits. (3 credits each)

MB-580 Selected Topics — Accounting
MB-581 Selected Topics — Information Systems
MB-582 Selected Topics — Economics
MB-583 Selected Topics — Finance
MB-584 Selected Topics — Industrial Psychology
MB-585 Selected Topics — Management
MB-586 Selected Topics — Marketing

MB-596 Independent Study — variable credits
Involves special projects undertaken by the MBA student, consisting of individual work suited to the needs and interests of the student. The course embodies research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

MB-599 Workshop/Conference — 1 credit
Workshop/Conferences will be offered each semester. Various topics from all of the functional areas of business will be covered. The area selected will be based upon student interest and staff availability. Students may apply 3 of these toward MBA graduation credit.

AC 440 G Accounting Theory — 3 credits
A specialized course to provide a frame of reference for advanced accounting students in theory of income, in assessed valuation, and in the history of accounting thought. Recommended for those students planning on the CPA examination. Prerequisite: AC-202.

EC 421 G-EC 422 G Econometrics — 3 credits
Study and application of the principal mathematical equations used in economics. Designed to acquaint the student with a mathematical approach to economic theory. Prerequisite: Math 106 or equivalent and permission of the instructor.

GB 441 G Government and Business — 3 credits
A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included.

MK 415 G Marketing Research — 3 credits
Consideration of the theory and use of research for particular marketing problems: methodology of planning and conducting research studies in various marketing situations. Prerequisite: MK-301.
SCHOOL OF EDUCATION

Dean: Gerald R. Wallace, Ed.D.
Assistant Dean: Clyde Martin, Ed.D.

Departments and Faculty

Center for Counseling, Guidance and Testing:
Dr. D. Torbet, Director
Professor: D. Torbet
Assistant Professor: M. Callao, A. DeLaurier, J. Dodson
Psychometrist and Instructor: C. Areola

Department of Health, Physical Education and Recreation:
Dr. G. Cooper, Chairman
Professors: G. Cooper, L. Smith
Associate Professor: B. Bowman
Assistant Professors: P. Bowman, J. Boyles, D. Connor, P. Holman, E. Jacoby, W. Jones, R. Lewis, C. Thorngren, R. Vaughn
Instructors: M. Young, S. Wallace
Emeritus: H. Westfall

Department of Athletics
L. Smith, Director
R. Stevenson, Assistant Director

Coaching Staff:

Department of Psychology:
Dr. J. Phillips, Chairman
Professors: J. Phillips, W. Sickles, D. Smith, D. Torbet, D. Taylor
Associate Professors: W. Barsness, D. Heacock, G. Ison, E. Wilkinson
Assistant Professors: M. Snow, S. Thurber, H. Steger
Emeritus: W. Bronson

Department of Teacher Education & Library Science:
Dr. C. Martin, Chairman
Dr. N. Sadler, Coordinator of Field Services
Professors: J. Barnes, R. Bullington, A. Chatburn, A. McDonald, G. Wallace, V. Young
Assistant Professors: C. Burtch, T. Comba, J. Davis, R. Friedli, K. Hill, G. Hunt, N. Sadler
Instructor: C. Garcia
Emeritus: K. Hill

Instructional Materials Center:
J. Hartvigsen, Director and Assistant Professor
K.W. Christensen, D. Graybeal, W. Stokes

Curriculum Resource Center:
A. Olson, Librarian

Reading Education Center:
W. Kirtland, Director and Associate Professor
C. Frederick, R. Marks

Educational Television:
J. Schlaefle, Director and Assistant Professor

Summary of Faculty by Rank

Professors ........................................... 13
Associate Professors ................................ 16
Assistant Professors ................................ 24

The School of Education offers majors in Elementary Education: Physical Education for Men, Secondary Education: Physical Education for Women, Secondary Education Option, and Psychology, Liberal Arts Option. It offers course work of both professional and academic nature to students in these and in other major curricula throughout the College. The academic course work is designed to develop ability in and appreciation of scientific thinking about behavior. Professional training is directed primarily toward the mastery of skills that are needed by teachers in the elementary and secondary schools.
TEACHER EDUCATION

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education in the total preparation of elementary and secondary school teachers and librarians. The following paragraphs explicate that function, and every prospective teacher should read them carefully.

The Department of Teacher Education is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of Boise State College and the certification requirements of the Idaho State Board of Education. The Department of Teacher Education has an institution-wide commitment to the preparation of secondary school teachers and librarians. The following paragraphs explicate that function, and every prospective teacher is provided with a well-rounded education in the humanities and in the social and natural sciences. Each student also receives special preparation for the particular kind of education work he plans to do.

Admission to School of Education

A. Students preparing to teach must apply for admission to the School of Education during the sophomore year. This application will be secured and processed as a part of the TE-201, Foundations of Education course (required for certification).

Transfers who have completed an equivalent course in Foundations at another institution will secure the application for admission from the Assistant Dean’s office. The form is entitled, “Admission to the School of Education.”

B. General requirements for admission to the School of Education for elementary or secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements shall include:

1. Filing of the “Admission to the School of Education” application.
2. A minimum grade of “C” in TE-201 or its equivalent.
3. A satisfactory test score in a prepared “English Qualification Examination.” This examination will be prepared and administered by the Department of Teacher Education. The test will be a part of the course work of TE-201, Foundations of Education, given in the sophomore year. Students who fail this examination will be advised as to procedures for improving writing skills. Students may re-apply for future examinations and must pass the qualifying examination. Transfer students who have already taken the Foundations course at another institution will take the qualifying examination and will be subject to the above regulations.
5. Satisfactory completion of an observation and teacher assistant experience in a public or non-public elementary or secondary school. The experience is a part of the course work in TE 201, Foundations of Education, given in the sophomore year. Transfer students who have completed Foundations of Education will be required to have this experience. The intent of the requirement is to provide an opportunity for potential teachers to verify a desire to work with students in a school situation. Variations in the type of experience acceptable to the School of Education are to be approved by the chairman of the Department of Teacher Education.

Admission to Student Teaching and General Policies

A. An application for a specific student-teaching assignment must be filed with the Department of Teacher Education by March 1 of the junior year. Application forms may be secured from the Office of the Coordinator of Field Services.

B. General requirements for admission to student teaching for elementary or secondary candidates include:

1. Elementary Major
   a. Admission to the School of Education
   b. Recommendation by the faculty advisor or department chairman.
   c. A cumulative grade point average of 2.25.
   d. Elementary Curriculum and Methods, TE-351 and TE-352 are to be taken concurrently with student teaching.
   e. Student teachers are assigned to a school for 1/2 day during two semesters.
   NOTE: Deviations from the above policies must be approved by the chairman of the Department of Teacher Education and Library Science. In reference to “e,” all student teachers must be taking TE-351 (Language Arts emphasis) concurrently with student teaching or prior to student teaching.

   f. Senior standing

2. Secondary Option
   a. Admission to the School of Education
   b. Recommendation by the faculty advisor or the department chairman.
   c. A minimum grade point average of 2.25 in the major field, minor field if applicable, and the education courses completed.
   d. A minimum cumulative grade point average of 2.1.
   e. Satisfactory completion (minimum grade of “C”) of the class Secondary School Methods, and/or the appropriate class or classes in special methods for the teaching area. NOTE: A listing of Secondary Methods and special meth-
SCHOOL OF EDUCATION
Department of Teacher Education and Library Science

Suggested Bachelor of Arts Program

FRESHMAN YEAR: 1ST SEM. 2ND SEM.

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science (Biological or Physical Science)</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>History of Western Civilization</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Physical Education Activities</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Humanities or (two of the following: Introduction to Music, Introduction to Art, Introduction to Drama)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Second Laboratory Science</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Fundamentals of Math for Elementary Teachers</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Survey of American Literature</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>U.S. History</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Geography</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>-</td>
</tr>
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JUNIOR YEAR:

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<tr>
<th>Course</th>
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<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Federal Government</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Child Psychology</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Elementary School Physical Education</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Speech - Communications for Teachers</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective (Economics, Sociology, or Anthropology)</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Music Fundamentals</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Public School Music</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Children's Literature</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>3</td>
<td>2</td>
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</table>

SENIOR YEAR:

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<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Audio Visual Aids</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Elementary School Art Methods</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Curriculum and Methods</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Elementary School Student Teaching</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

Students from Boise State College will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education and Library Science.

C. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their college supervisors.

D. Students who transfer to Boise State College must meet admission requirements for School of Education and student teaching and complete at least 6-9 semester hours at the institution before being placed in student teaching.

ELEMENTARY EDUCATION

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Chairman of the Department of Teacher Education and consisting of general and professional education courses.

Requirements for the Bachelor of Arts in Elementary Education:

1. General College graduation requirements to include:
   - Mathematics for Elementary Teachers 6
   - English Composition 101 and 102 6
   - Laboratory Science to include both Biological and Physical Science or Earth Sciences 12
   - History of Western Civilization 6
   - U.S. History 6
   - Federal Government 3
   - General Psychology 3
   - Child Psychology 3
   - Geography 3
   - Social Science chosen from: Economics, Sociology or Anthropology 3
   - Humanities or Introduction to Art, or Music or Drama 6
   - Music Fundamentals 2
   - Literature 6

2. Professional education requirements:
   - Elementary School Physical Education Methods 2
   - Public School Music 2
   - Elementary School Art Methods 3
   - Children's Literature 3
   - Audio Visual Aids 2
   - Educational Psychology 3
   - Elementary Curriculum and Methods I and II 10
   - Elementary Student Teaching 10
   - Foundations of Education 3
   - Speech Communications for Teachers 3

3. Departure from this program must be approved by the Chairman of the Department of Teacher Education.
SECONDARY EDUCATION

The Department of Teacher Education serves as consultant in the establishment of "secondary education options" within each of several subject-matter areas. (See the Secondary Certification Options in the School of Business; the School of Arts and Sciences; and the Physical Education Department in the School of Education.) The Department of Teacher Education does not offer degrees "in secondary education."

Students preparing to teach in junior or senior high school should major in the subject-matter fields in which they plan to teach. Each student must complete the required professional education courses and the necessary subject matter major under the direction of an advisor in his major department.

Certification Requirements for Secondary Education

Students from Boise State College will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of a baccalaureate degree including education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidates has the approval of the department subject area specialization and the Department of the Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

Idaho requires a total of twenty semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These requirements are translated into the following required Boise State College courses:

- TE-201 Foundations of Education 3 credits
- P-312 Adolescent Psychology or P-325 Educational Psychology 3 credits
- TE-381 Secondary School Methods 3 credits
- TE-481 Secondary Student Teaching 6 credits

Total 15 credits

In addition to these required courses, a student may choose from the following courses (if they are appropriate to his teaching field) to complete the required twenty semester credit hours. (A student may wish to take more than the minimum twenty credit hours.)

SCHOOL OF EDUCATION

Department of Teacher Education and Library Science

- P-312 Adolescent Psychology 3 credits
- P-325 Educational Psychology 3 credits
- TE-356 Audio-Visual Aids in Education 2 credits
- TE-371 Guidance for the Classroom Teacher 3 credits
- AR-351 Secondary School Art Methods 3 credits
- BE-401 Methods in Business Education 3 credits
- BE-421 Business Curriculum and Problems 3 credits
- E-301 Teaching English Comp 3 credits
- E-381 Methods of Teaching
  - Secondary School English 3 credits
- M-490 Mathematics in Secondary Schools 3 credits
- MU-257 String Instrumental Techniques and Methods 2 credits
- MU-266 Woodwind Instrumental Techniques and Methods 2 credits
- MU-368 Percussion Techniques and Methods 2 credits
- MU-369 Brass Instrumental Techniques and Methods 2 credits
- MU-371 Public School Music 2 credits
- MU-385 Choral Methods and Materials 2 credits
- PE-425 Problems in Physical Education 2 credits
- SP-311 Speech Communication for Teachers 3 credits

Each certified secondary school teacher must have one of the following options:

1. A major teaching field of at least 30 semester credit hours, and a minor teaching field of at least 20 semester credit hours.

(OR)

2. A single teaching field of at least 45 semester credit hours.

Following is a list of some of the teaching areas for which Idaho endorses certificates, regardless of the area is a major or a minor teaching field. Included in the teaching fields listed below is the specifically required minimum course content for each field. (Reproduced from the Idaho SDE pamphlet published 1972.)

- English
  - Not less than six semester credit hours in composition and not less than six semester credit hours in American and English Literature. The remainder may be distributed in the related fields of speech, drama, and journalism.

- Speech-Drama
  - Credits spread over both fields with not less than six semester credit hours in each. For separate endorsement in speech or drama, not less than fifteen semester credit hours in the field to be endorsed.

- Journalism
  - Not less than fifteen semester credit hours in journalism and the remainder, if any, to be chosen from English.

- Social Studies
  - Not less than six semester credit hours in American History and not less than three semester credit hours in American Government. In addition, work in two of the following fields to be represented: world history, geography, sociology and economics.

- American Government
  - Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours of comparative government.
American History
Not less than nine semester credit hours in American History and not less than three semester credit hours in American Government. The remaining work is to be in history and political science.

Biological Science
Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science
At least eight semester credit hours in chemistry and eight semester credit hours in physics.

General Science
Credits to include work in each of the following fields: physiological and earth science.

Mathematics
Credits to include work in algebra, geometry and trigonometry.

Physical Education
Credits distributed to include work in anatomy or physiology and health education.

Secretarial Science
Six semester credit hours in shorthand and at least one course in intermediate or advanced typewriting. The other credits are to be distributed in business courses which ensure knowledge of office machines, business and office practices and procedures.

Bookkeeping
Credits in business subjects, including at least one course in intermediate or advanced typewriting and not less than six semester credit hours of accounting with additional work in business law and business administration.

Business Education
Credits to include work in each of the following fields: typewriting, shorthand, accounting and office machines. Additional work may be selected from business law, business administration, retail merchandising, economics and office procedures.

Driver Education
An Idaho Driver Education teacher shall:
- Have four semester credit hours which shall consist of not less than two semester credit hours in basic driver education for teachers and followed by not less than two semester hours in courses such as the following:
  - Advanced driver education, general safety education, traffic engineering, driving simulator education, and highway transportation.
  - Have three years of satisfactory driving experience immediately preceding the time of teaching, as evidenced by the State Department of Law Enforcement, Traffic Safety Division. This change given above was effective for all teachers of driver education in the State of Idaho on September 1, 1968.

Music
Credits to include work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), History and Appreciation, Conducting, and music methods and materials.

Arts and Crafts
Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastic, the graphic arts and art metal.

Secondary Student Teaching

Secondary Education Student Teaching for 1974-74
Student teaching will be given in 4 blocks of nine weeks each, all day. The first nine weeks will accommodate physical education majors, summer school candidates, transfers from other institutions and, if necessary, those who will graduate in December. The second nine weeks block will be reserved for history and social science majors, mathematics majors, and, if necessary, for students who will graduate in December. Business Education and English majors will student teach the third nine weeks block (first nine weeks of second semester); the fourth block of nine weeks will service all science, art, music, speech and drama, and foreign language majors for the student teaching assignment. Permission for any deviation to the above placement of major fields must be granted by the Chairman of the Department of Teacher Education.

Concentrated Course Blocks, 1974-75
The student will take a group of subjects (6-9 semester hours) during the balance of the semester complementing the assigned student teaching block. Scheduling of the CCB will be done by the advisors in the major subject department as follows:

Scheduling by Departments

Art
- CCB No. 3
  - Student Teaching No. 4 (6 credits)
  - CCB Choices: (8-9 credits)
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Secondary School Methods, TE-381 (3)

Business
- CCB No. 4
  - Student Teaching No. 3 (6 credits)
  - CCB Choices: (8-9 credits)
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Speech Communication for Teachers, CM-311 (3)
    - Business Curriculum and Problems, BE-421 (3)
    - Secondary School Methods, TE-381 (3)

Note: BE-401 Methods in Business Education (3) is to be taken the semester preceding student teaching.

Communications (Speech)
- CCB No. 3
  - Student Teaching No. 4 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Secondary School Methods, TE-381 (3)

English
- CCB No. 4
  - Student Teaching No. 3 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Speech Communication for Teachers, CM-311 (3)
    - Secondary School Methods, TE-381 (3)

Note: E-318 Methods of Teaching Secondary School English (3) is to be taken the semester preceding student teaching.
### Foreign Languages

- **CCB No. 3**
  - Student Teaching No. 4 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Secondary School Methods, TE-381 (3)

### History

- **CCB No. 1**
  - Student Teaching No. 2 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Speech Communication for Teachers, CM-311 (3)
    - Secondary School Methods, TE-381 (3)
    - History — Civil War and Reconstruction, HY-354

### Mathematics

- **CCB No. 1**
  - Student Teaching No. 2 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Speech Communication for Teachers, CM-311 (3)
    - Secondary School Methods, TE-381 (3)
    - Foundations of Geometry, M-311 (3)
    - Mathematics in Secondary Schools, M-490 (3)

### Music

- **CCB No. 4**
  - Student Teaching No. 3 (6 credits)
  - CCB Choices:
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Secondary School Methods, TE-381 (3)
    - (Music courses to be arranged)

### Physical Education

- **CCB No. 2**
  - Student Teaching No. 1 (6 credits)
  - CCB Choices: (8-9 credits)
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Gymnastics, Apparatus, Fitness Techniques, PE-336 (2)
    - Problems in Physical Education, PE-425 (2)
    - Problems in Interscholastic Athletics, PE-430 (2)
  - Note: Secondary School Methods, TE-381 (3) is to be taken the semester preceding student teaching.

### Sciences

- **CCB No. 3**
  - Student Teaching No. 4 (6 credits)
  - CCB Choices: (8 credits)
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Secondary School Methods, TE-381 (3)

### Social Science

- **CCB No. 1**
  - Student Teaching No. 2 (6 credits)
  - CCB Choices: (8-9 credits)
    - Audio-Visual Aids, TE-356 (2)
    - Educational Psychology, P-325 (3)
    - Speech Communication for Teachers, CM-311 (3)
    - Secondary School Methods, TE-381 (3)
    - History — The National Era, 1815-1848, HY-353 (3)
  - Note: Transfers from other institutions to Boise State College will need to be integrated as soon as possible into a schedule.

### Placement

- A Teacher Placement Service is maintained by the College Placement Office, which is administered by the Dean of Student Personnel Services.

### Center for Counseling, Guidance, and Testing

- The Center provides special services for students with problems in educational, vocational, and personal areas. The Center is especially designed for students with specific reading problems. Other services include professional testing and counseling.

### Reading Education Center

- This Center provides special services for college and public school students with specific problems in reading.

- Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

### MINOR OPTION

#### LIBRARY SCIENCE TEACHING MINOR

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of educational media, 12 of which must be in the areas of material selection, organization and administration, cataloging and classification, and reference and bibliography. Students must be able to type.

Up to six semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of educational media, for the purpose of meeting the requirements for the endorsement:

- Philosophy of Education
- Educational Administration
- Curriculum Design or Development
- Pedagogy or Methods of Instruction
- Educational Psychology, or Theory of Learning
- Child or Adolescent Psychology
- Communications
- Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the library staff, or with the library science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries of the area, who are unable to afford graduate library schools:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Use of Libraries</td>
<td>2</td>
</tr>
<tr>
<td>Library Organization and Administration</td>
<td>3</td>
</tr>
<tr>
<td>Reference and Bibliography</td>
<td>3</td>
</tr>
<tr>
<td>Basic Book Selection</td>
<td>3</td>
</tr>
<tr>
<td>Cataloging and Classification</td>
<td>3</td>
</tr>
<tr>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>Audio Visual Aids in Education</td>
<td>3</td>
</tr>
<tr>
<td>Literature for the Adolescent</td>
<td>3</td>
</tr>
</tbody>
</table>

* Basic Requirements
* For all Elementary Education Majors.
DEPARTMENT OF HEALTH,
PHYSICAL EDUCATION AND
RECREATION

Dr. G. Cooper. Chairman
Professors: G. Cooper, L. Smith
Associate Professor: B. Bowman
Assistant Professors: P. Bowman, J. Boyles, D. Connor, P. Holman,
E. Jacoby, W. Jones
Instructors: S. Wallace, M. Young

PHYSICAL EDUCATION

The Department of Health, Physical Education and Recreation offers a major with specialization in secondary school physical education and minors in secondary school physical education and athletic coaching. In addition, courses are offered in Health, Recreation, Elementary School Physical Education and Physical Education for Special Education Teachers. Students who complete the major program are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho.

The Physical Education-Recreation area and all of its facilities are available for student and faculty use. Students are encouraged to participate in the intramural-extramural program offered by the department.

Elective Physical Education Activity Program:

EIGHT SEMESTER HOURS OF PHYSICAL EDUCATION ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

The elective physical education program at Boise State College has been designed with the needs of the student in mind. Emphasis is placed on instruction to meet the following objectives:

1. To develop the physical capacities that comprise the biological bases for physical fitness.
2. To improve skills in basic body mechanics, team and individual sports, and in rhythmic and creative activities.
3. To develop an understanding of self through movement experiences.
4. To acquire knowledge and understanding of the rules, courtesies, customs, strategies, and techniques of several sports.
5. To improve social competency and emotional stability through participation in sports activities. The elective program includes beginning level activities and intermediate/advanced level activities. No courses may be repeated for credit.


REQUIREMENTS FOR PHYSICAL EDUCATION MAJOR

Bachelor of Science Degree

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>I. Physical Education Major (Secondary Education Option)</th>
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<tbody>
<tr>
<td></td>
<td>A. General College and Degree Requirements ..... 3 or 6</td>
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<td></td>
<td>English Comp .............................................. 3 or 6</td>
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<td>B. Area I Requirements ................................... 12</td>
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<td>(Three fields must be represented)</td>
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<td>C. Area II Requirements .................................. 12</td>
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<td></td>
<td>General Psychology ...................................... 3</td>
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<td>Communications .......................................... 3</td>
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<td>Area II Electives ........................................ 6</td>
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<td>Concepts of Biology ..................................... 4</td>
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<td>Foundations of Physical Science ....................... 4</td>
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<tr>
<td></td>
<td>Human Anatomy and Physiology .......................... 5</td>
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<tr>
<td></td>
<td>E. Additional Credits chosen from Area II and / or III 9</td>
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<td></td>
<td>F. Physical Education Requirements .................... 39</td>
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<tr>
<td></td>
<td>Introduction to Physical Education ................... 2</td>
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<td>First Aid, Health, and Safety ........................ 3</td>
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<td>Tests and Measurements ................................ 2</td>
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<td>Skills for Teaching Physical Education ............... 6</td>
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<tr>
<td></td>
<td>Kinesiology ................................................ 3</td>
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<tr>
<td></td>
<td>Physiology of Exercise .................................. 3</td>
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<td></td>
<td>Organization &amp; Administration of Physical Educ. ...... 3</td>
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<td></td>
<td>Problems in Teaching Physical Education .............. 2</td>
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<tr>
<td></td>
<td>Physical Education Activities ........................ 8</td>
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<tr>
<td></td>
<td>Requirements: Gymnastics and Recreational Dance .... 4</td>
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<tr>
<td></td>
<td>4 courses selected from Individual Sports ......... 2</td>
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<tr>
<td></td>
<td>2 course selected from Team Sports ................. 2</td>
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<td></td>
<td>Physical Education Electives ......................... 4</td>
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<td></td>
<td>The following courses are especially recommended: Elementary School Physical Edu., Correctives, Care &amp; Treatment of Athletic Injuries, Introduction to Recreation, Gymnastics Apparatus and Fitness Techniques, Dance Techniques, Problems in Interscholastic Athletics, and Coaching Methods.</td>
</tr>
<tr>
<td></td>
<td>G. General Education Requirements for State Certification ............................................. 20</td>
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<td></td>
<td>Foundations of Education ................................ 3</td>
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<td>Educational Psychology or Adolescent Psychology .... 3</td>
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<td>Secondary School Methods ............................. 3</td>
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<td>Student Teaching .......................................... 6</td>
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<td>Education Electives ...................................... 5</td>
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<td>H. Additional Electives .................................. 17</td>
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<td>TOTAL ...................................................... 128</td>
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</table>
II. Physical Education Minor
   A. Program for Men and Women
      1. Physical Education courses required
         - Introduction to Physical Education 2
         - First Aid, Health and Safety Education 3
         - Skills for Teaching Physical Education 6
         - Kinesiology (Prerequisite: Anatomy and Physiology) 3
         - Physical Education activities electives 6
         (includes Gymnastics, Recreational Dance, and 4 courses selected from Swimming, Soccer, Volleyball, Tennis, Badminton, Track and Field, Field Hockey, Archery, Golf.)
         - Physical Education Electives 4

PHYSICAL EDUCATION MAJOR
   (Suggested Program)
   Bachelor of Science Degree

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tr>
<td>FRESHMAN YEAR:</td>
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<td>English Composition</td>
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<td>Communications</td>
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<td>Elective Physical Education Activity</td>
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<td>Area I Electives</td>
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<td>Area II Electives</td>
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<tr>
<td>SOPHOMORE YEAR:</td>
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<td>Literature</td>
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<td>Anatomy and Physiology</td>
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<td>General Psychology</td>
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<td>Tests and Measurements</td>
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<tr>
<td>Foundations of Physical Education</td>
<td>3</td>
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<td>Area I Electives</td>
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<td>Area II and/or III Electives</td>
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<td>Physical Education Electives</td>
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<td>Foundations of Education</td>
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<tr>
<td>Total Credits</td>
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<td>JUNIOR YEAR:</td>
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<td>Kinesiology</td>
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<tr>
<td>Physiology of Exercise</td>
<td>3</td>
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<td>Skills for Teaching Physical Education</td>
<td>3</td>
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<tr>
<td>Adolescent or Educational Psychology</td>
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<tr>
<td>Secondary School Methods</td>
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<td>Electives</td>
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<td>Physical Ed Jr Electives</td>
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<td>Total Credits</td>
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<td>SENIOR YEAR:</td>
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<td>Student Teaching</td>
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<td>Problems in Teaching Physical Education</td>
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<td>Organization and Administration of Physical Education</td>
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<td>Education Electives</td>
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<td>Physical Education Electives</td>
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<tr>
<td>Total Credits</td>
<td>12</td>
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III. Coaching Minor (men)
   1. Physical Education Courses required
      - Introduction to Physical Education 2
      - First Aid, Health and Safety Education 3
      - First semester Course Skills of Teaching Physical Education 3
      - Care and Treatment Athletic Injuries 2
      - Problems in Interscholastic Athletics 2
      - Coaching Methods 8

DEPARTMENT OF PSYCHOLOGY

Dr. J. Phillips, Chairman
   Professors: J. Phillips, W. Sickles, D. Smith, D. Torbet, D. Taylor
   Associate Professors: W. Barsness, D. Heacock, G. Ison, E. Wilkinson
   Assistant Professors: M. Callao, J. Dodson, M. Snow, H. Steger, S. Thurber

The School of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's course work in psychology are "elective."

The student should be aware, however, that even the elective courses function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and he should not regard successful completion of that program as a preparation to perform psychological services. Rather, he should think of it as (1) a demonstration of educational attainment, like any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

Every psychology major must sit for the Graduate Record Examination (both "Aptitude" and "Advanced") at some time during his senior year and have the results sent to the Department.
REQUIREMENTS FOR
PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science

CREDITS

1. Lower division:
   A. Psychology (see: Area II, below)
   B. Other
      1. Area I .................................. 15-18
         English Composition .................. 3-6
         Literature ............................. 3
         Second Area I field* .................. 3
         Third Area I field* ................... 3
         Any Area I field* ..................... 3
   2. Area II .................................. 15
      General Psychology, P-101 ............... 3
      Physiological Psychology, P-225 ....... 3
      Intro to Practice of Psych, P-201 ....... 3
      Third Area II field ...................... 3
   3. Area III .................................. 19
      Mathematics for the Life Science, M-115-116 10
      Concepts of Biology, B-103 ............. 4
      Human Psychology and Anatomy, Z-107 .... 5

II. Upper Division:
   A. Psychology .................................. 25
      1. Statistical Methods P-305 ........... 3
      2. Experimental Psychology P-321 ....... 4
      3. Psychological Measurement P-421 ...... 3
      4. Learning, P-441 ....................... 3
      5. Psychological Systems P-461 .......... 3
      6. Electives in psychology ............... 9
   B. Upper Division Electives .................. 15
   III. Free electives (36-39 credits)

NOTE: Only 12 SPECIAL TOPICS credits may be used
      in meeting college core requirements.

* excluding performance courses
** including performance courses

SUGGESTED PROGRAM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| English Comp, E-101, 102 | 3
| Intro to Art, Drama, Music or Humanities | 3
| Concepts of Biology, B-100 | 4
| Human Physiol and Anat, Z-107 | 5
| History of Western Civ, H-101 and H-102 | 3
| General Psychology, P-101 | 3
| Elective | 3
| **Total** | **16** |

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Literature | 3
| Math for Life Sciences, M-115, 116 | 5
| Physical and Cultural Anthropology, AN-201, 202 | 5
| Physiological Psych, P-225 | 3
| Intro to Practice of Psych, P-201 | 3
| Elective(s) | 4
| Intro to Art, Drama, Music or Humanities | 3
| **Total** | **18** |

JUNIOR YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Statistical Methods, P-305 | 3
| Experimental Psych, P-321 | 3
| Digital Computer Programming, EN-104 | 4
| Psychological Measurement, P-421 | 3
| Abnormal, P-301 | 3
| Perception, P-341 | 3
| Electives | 7
| **Total** | **15** |

SENIOR YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</table>
| Child Psych, P-311 | 3
| Adolescent Psych, P-312 | 3
| Learning, P-441 | 3
| Psychological Systems, P-461 | 3
| Personality, P-351 | 3
| Social, P-431 | 3
| Electives | 6
| **Total** | **15** |

* Specifically required.

Course Offerings

PE PHYSICAL EDUCATION

101 Introduction to Physical Education (co-ed) — 2 credits
   (2 1-hour lectures, 1 hour lab.) Designed to give the prospective
   physical education teacher an understanding of what is
   involved in the profession: physical education as a merging
   profession: service rendered by physical educators; setting for
   physical education; relationship of physical education to health;
   recreation, camping, and outdoor education; leadership in physical
   education; duties of physical educators; professional prepara-
   tion; professional organizations; Certification requirements;
   employment opportunities; challenges facing physical education.
   One hour laboratory to include testing for skills, basic funda-
   mental movements, and observation of programs. Prerequisite:
   none. Fall semester.

103 Introduction to Recreation (co-ed) — 2 credits
   Designed to acquaint the student with the growth and de-
   velopment of community recreation and the role of community
   recreation in our present day society. Spring semester. Prerequisite:
   None.

106 First Aid, Health, and Safety Education - (Coed)
   — 3 credits
   This course deals with the phases of Health, First Aid, and
   Safety Education.

   Health Education covers concerned subjects as nutrition,
   diseases, health needs and services, drugs, family living and
   environmental problems.

   First Aid emphasis on practical use of knowledge in various
   occupations. Detailed demonstrations and practical demonstra-
   tions, upon successful completion of number of hours a standard
   and advanced First Aid Card will be issued through the Ameri-
   can Red Cross.

   Safety Education covers the needs for Safety Education,
   the role of the school in a safety program/ methods and ma-
   terials for demonstrations, discussions and readings stressing
   various aspects of safety in many areas, through safety cam-
   paigns, basic instruction and understanding many predisposing
   factors that cause accidents. Each semester.

130 Water Polo (M) — 1 credit
   Designed to teach the skills, strategy, and rules of water
   polo. Prerequisite: Instructor's permission. Each semester.
131 Spring Board Diving (Coed) — 1 credit
Emphasis is on basic diving skills, diving procedures, proper body positions, and safety in diving and diving areas. Prerequisite: Instructor’s permission. Each semester.

132 Skin and Scuba Diving (Coed) — 1 credit
Instruction in the use of mask, fins, and snorkel and an aqua lung that will enable the student to breathe under water. Prerequisite: Instructor’s permission. Each semester. (Cost to the student approximately $30.00)

133 Modern Dance (coed) — 1 credit
Provides opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Work will encompass improvement of body flexibility, balance, coordination and relaxation through use of modern dance techniques and movement exploration. Either semester.

134 Backpacking and Camping (coed) — 1 credit
Fundamental skills in backpacking and overnight camping. Includes choice and care of equipment, choice of camping sites, basic outdoor cooking skills, minor first-aid skills, and emphasizes ecology in the outdoors. Students will furnish their own equipment. Either semester.

135 Karate (coed) — 1 credit
Karate may be defined as a weaponless means of self defense. The Karate techniques are based on the theory of energy conservation. The essence of Karate is the coordination of the mental and physical powers possessed by every human being. Students will furnish their Gi. Each semester.

136 Fly Casting and Tieing (coed) — 1 credit
Designed to teach the fundamentals of fly casting and fly tying. Emphasis will be placed on casting techniques, equipment, knots, and stream/lake fishing procedures. Basic aquatic entomology will be taught as it pertains to the fly ties. Basic tying operations will be taught. Students will provide their rod, reel, and line and fly tying kit. Either semester.

152 Beginning Swimming (W) — 1 credit
Basic water safety, skills and knowledge; floating, bobbing, diving, rhythmic breathing, treading water, and an introduction to the crawl, side stroke, elementary backstroke. For students that do not know how to swim. Each semester.

175 Beginning Self-Defense (coed) — 1 credit
Instruction in the beginning skills and progress to more advanced beginner skills. Floating, gliding, rhythmic breathing, bobbing, kicking. Safety emphasized to keep the student mentally alert to his skill level. Each semester.

166, 167 Varsity Participation (M) — 1 credit

168 Basketball (M) — 1 credit
A beginning class in basketball emphasizing general rules and participation. Basic defensive strategies will be discussed and basic drills on passing, dribbling, and shooting will take place. Defensive tactics such as man to man, zones, and rebounding will also be explained. Spring semester.

169 Beginning Tennis (W) — 1 credit
An introductory course to provide basic skills, strategies, and rules for the beginner. Each semester.

170 Beginning Tennis (M) — 1 credit
An introductory course in tennis with the basic fundamental skills and rules of tennis. Game strategy in both doubles and singles. Each semester.

171 Beginning Field Hockey (W) — 1 credit
The course consists of participation in field hockey with consideration of fundamental skills, rules, and basic team strategy. Fall semester.

172 Softball (W) — 1 credit
The course consists of participation in softball with consideration of fundamental skills, rules, and basic team strategy. Spring semester.

173 Beginning Soccer (M) — 1 credit
Participation in soccer with emphasis on skill development, rules, and team strategy. Each semester.

174 Beginning Judo (coed) — 1 credit
A safe, fun-sport which is also a complex art form. The course consists of principles and philosophy of Judo and the techniques of falling, throwing, and grappling. Students will furnish their Gi. Each semester.

177 Beginning Self-Defense (coed) — 1 credit
The defensive tactics are presented in the forms of Aikido, Judo, and Karate; teaching coordination of the mind and body and nonagressive application of the laws of gravity and force. It is also designed to improve the physical coordination and condition of the individual. Students will furnish their Gi. Each semester.

178 Beginning Swimming (M) — 1 credit
Instruction in the beginning skills and progress to more advanced beginner skills. Floating, gliding, rhythmic breathing, bobbing, kicking. Safety emphasized to keep the student mentally alert to his skill level. Each semester.

179 Rugby (M) — 1 credit
Introductory course to provide skills, rules and team play for the beginner. Fall semester.

180 Beginning Archery (coed) — 1 credit
The course is designed for the beginning archery student to provide instruction in the fundamental techniques of all phases of archery, target, field clout, golf, novelty. etc. Each semester.

181 Beginning Golf (coed) — 1 credit
The course is designed for the beginning golf student to provide instruction in the fundamental techniques of all phases of golf. The student will also be acquainted with the rules, regulations and proper etiquette of the game. Each semester. Green fee approximately $10.00.

182 Track and Field (W) — 1 credit
The course consists of participation in track and field events with consideration of fundamental skills and rules for meets. Spring semester.

183 Handball and Court Games (M) — 1 credit
A class designed to teach techniques and skills of handball and paddleball with special emphasis on playing procedures. Students will be introduced to game situations where they can improve on their individual skills. Either semester.
184 Recreational Dance (coed) — 1 credit
A course in the fundamentals of dance, designed to increase
the knowledge and skill of the student. The course includes
folk, square, round, mixer, and basic social dances. Required
of all P.E. Majors. Each semester.

185 Physical Fitness Activities (W) — 1 credit
Sequential and progressive exercises, activities for general
fitness that involves strengthening, stretching, slenderizing and
relaxation. Each semester.

186 Physical Fitness Activities (M) — 1 credit
A class designed to improve techniques and skills for indi-
dividual fitness, with emphasis on drills and general physical
conditioning programs for individual needs. The students will
also be introduced to a wide variety of physical activities where
new and old skills can be used to improve total physical fitness.
Each semester.

188 Social Dancing (coed) — 1 credit
The course covers basic techniques of social dancing. Dances
included are waltz, cha-cha, foxtrot, rumba, tango, lindy,
and various novelty dances. Either semester.

189 Folk and Square Dancing (coed) — 1 credit
Instruction and application of basic steps and patterns used
in folk dances from different countries. Either semester.

190 Beginning Bowling (coed) — 1 credit
Designed to teach the basic skills of bowling: includes ap-
proach and delivery; handicaps and scorekeeping. Each sem-
ester. Bowling fee approximately $10.00.

191 Skiing and Mountaineering (coed) — 1 credit
This course is designed to introduce the student to the vari-
ous techniques of skiing. Mountaineering is designed to acquaint
the skier with the out of doors and the wilderness. Instruction
fee $25.00; payable at Bogus Basin. Student will furnish or rent
their equipment. Lift pass $5.00. Either semester.

192 Defensive Tactics (coed) — 1 credit
The course consists of physical defense against one or more
persons; physical arrest; control and restraint, familiarization
with control devices, definition and application of that force
which is reasonable and necessary, individual and group tactics.
Students will furnish Gi. Each semester.

193 Touch Football (M) — 1 credit
A class designed to teach technique and skills of touch foot-
ball, with special emphasis on playing procedures. Students
will be introduced to a variety of playing activities where old
and new skills can be used. Fall semester.

201 Foundations of Physical Education (coed) — 3 credits
(3 1-hour lectures) Course content consists of philosophy of
education and physical education, objectives of physical educa-
tion, physical education's role in general education, changing
concepts of physical education, scientific foundations of physi-
cal education, curriculum development in physical education,
history and principles of physical education. Sophomore year.
Prerequisite: Introduction to Physical Education. Each semester.

208 Beginning Gymnastics (M) — 1 credit
This course is designed for the beginning student to provide
instruction in the fundamental techniques of all phases of gym-
nastics. The student will also be acquainted with spotting and
safety techniques. Required of all P.E. Majors. Each semester.

209 Advanced Self-Defense (coed) — 1 credit
The course is a continuation of Self-Defense using Aikido,
Judo and Karate, teaching coordination of the mind and body and
nonaggressive application of the natural laws of gravity and
force. It is designed to teach the student more skill in the tech-
niques learned in Beginning Self-Defense. Students will fur-
nish their Gi. Prerequisite: Instructor’s permission. Each sem-
ester.

210 Advanced Judo (coed) — 1 credit
Continuation of the basic skills of Judo. Advanced form to
encourage participants to seek advanced degrees. Students will
furnish their Gi. Prerequisite: Instructor’s permission. Each se-
semester.

253 Beginning Gymnastics (W) — 1 credit
The course covers basic skills for women on the trampoline,
even parallel bars, balance beam, sidehorse, and in tumbling.
Required of all P.E. Majors. Each semester.

255 Tests and Measurements (coed) — 2 credits
Testing procedures and standard tests in physical educa-
tion. Emphasis on the importance of evaluation in physical edu-
cation, elementary statistical procedures and interpretation of
technical literature in the field. Prerequisite: Introduction to
Physical Education and Foundations of Physical Science. Either
semester.

261 Intermediate Badminton (coed) — 1 credit
Advanced basic fundamentals, including round-the-head
strokes, advanced serves, advanced smash shots, drop shots,
deception, and strategy. Prerequisite: Playing experience or
instructor’s permission. Each semester.

264 Intermediate Volleyball (M) — 1 credit
Review and practice of basic skills. Will provide advanced
instruction in individual and team play. Prerequisite: PE 164
Beginning Volleyball or playing experience. Each semester.

265 Intermediate Basketball (W) — 1 credit
The course consists of participation in basketball with con-
sideration of advanced skills, team strategy and officiating. Pre-
requisite: Playing experience or instructor’s permission. Each semester.

269 Intermediate Tennis (coed) — 1 credit
An advanced class in tennis with basic fundamentals re-
viewed. Game situations with strategy in both doubles and
singles. High level of competition. Prerequisite: Playing ex-
perience or instructor’s permission. Each semester.

273 Intermediate Gymnastics (W) — 1 credit
Review of beginning and development of intermediate/
advanced gymnastics skills for women. Emphasis on performing
combinations, compulsory, and optional routines. Prerequisite:
Beginning gymnastics or instructor’s permission. Each semester.

275 Intermediate Field Hockey (W) — 1 credit
The course consists of participation in field hockey with con-
sideration of advanced skills, team strategy and officiating.
Prerequisite: Playing experience or instructor’s permission. Each semester.

276 Advanced Soccer (M) — 1 credit
Participation on a higher skill level. Emphasis will be on posi-
tion play, strategy, and development of team play. Prerequisite:
Playing experience or instructor’s permission. Each semester.

277 Weight Training (M) — 1 credit
Techniques and skills for individual fitness with emphasis
on weight training and weight lifting procedures for individual
conditioning programs. Each semester.

278 Intermediate Gymnastics (M) — 1 credit
This course is designed for those students who have com-
pleted the beginning gymnastics course or who feel they are
beyond the basic beginning stages of gymnastics. This course
will have a specific goal of helping each student to develop the
skill required in progressing from simple stunts to basic routines.
Prerequisite: Experience or instructor’s permission. Either sea-
semester.
280 Intermediate Archery (coed) — 1 credit
This course is designed for the experienced archer, who has a working knowledge of the fundamental skills of archery. There will be a review of the fundamental techniques of shooting and instruction and practice in target archery, field shooting and bow hunting. Prerequisite: Experience or instructor’s permission. Each semester.

281 Intermediate Swimming (coed) — 1 credit
The course is designed to provide the swimmer with additional strokes and self-rescue techniques and skills to help him to become a better swimmer. Prerequisite: Instructor’s permission. Each semester.

282 Senior Lifesaving (coed) — 1 credit
A review of the five basic styles of swimming, self-rescue techniques and handling of various types of swimming problems. Prerequisite: Experience or permission of instructor. Each semester.

283 Water Safety Instruction (coed) — 1 credit
The course is designed to provide instruction in life saving, first-aid, swimming, and basic small craft. There will be advanced work in swimming for the handicapped, competitive swimming, and recreational swimming. Prerequisite: Instructor’s permission. Each semester.

285 Intermediate Golf (coed) — 1 credit
This course is a continuation of beginning golf. It is designed for those students who have completed golf 181 or who consider themselves to be beyond the beginning stages of the game. All of the basic fundamentals will be reviewed, but a greater emphasis will be placed on form, technique and detail. The student will also learn different types of specific golf shots. Prerequisite: Playing experience or instructor’s permission. Each semester. Green fee approximately $10.00.

286 Beginning Fencing (coed) — 1 credit
An introduction to a lifetime sport, including basic skills and strategies of fencing. Each semester.

287 Intermediate Fencing (coed) — 1 credit
A review of basic skills and strategies; advanced techniques and bout practice. Introduction of competitive fencing including judging and directing skills. Prerequisite: Instructor’s permission. Each semester.

289 Advanced Bowling (coed) — 1 credit
Includes the finer skills of bowling-playing the lanes, playing the angles, analyzing the game. Common faults, symptoms and remedies. Advanced techniques and technical information. Prerequisite: Instructor’s permission. Each semester. Bowling fee approximately $10.00.

301-302 Skills for Teaching Physical Education (co-ed)
— 3 credits each
Consideration of teaching methods and procedures, techniques and skills in a variety of activities, development of units and lesson plans, and laboratory experiences as a student assistant in activity classes. Prerequisites: Introduction to Physical Education and Foundations of Physical Education Sequence course.

303 Intramurals and Sports Officiating (coed) — 2 credits
Designed to acquaint the student with the organization and administration of intramural programs. Includes sports and intramural officiating. Either semester.

319 Techniques and Methods of Coaching Football
— 2 credits
Details of teaching individual fundamentals, offensive and defensive play, strategy, and conditioning of players. Prerequisite: Junior standing or instructor’s permission. Fall semester.

320 Techniques and Methods of Coaching Wrestling
— 2 credits
Offense and defense in wrestling, equipment and training; meets and tournaments; wrestling styles; and conditioning and facilities. Prerequisite: Junior standing or instructor’s permission. Either semester.

321 Techniques and Methods of Coaching Baseball
— 2 credits
Baseball fundamentals including batting, fielding, conditioning and training. Prerequisite: Junior standing or instructor’s permission. Spring semester.

323 Techniques and Methods of Coaching Basketball
— 2 credits
Methods of coaching offense and defense, styles of play, and basketball strategy. Prerequisite: Junior standing or instructor’s permission. Either semester.

324 Techniques and Methods of Coaching Track and Field
— 2 credits
The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing or instructor’s permission. Spring semester.

327 Care and Treatment of Athletic Injuries
— 2 credits
The care, prevention, and treatment of athletic injuries. The study and practice of modern athletic training methods. Prerequisite: Junior standing. Kinesiology or Physiology of Exercise. Either semester.

331 Skills for Teaching Physical Education for Kindergarten and Special Education Teachers (coed)
— 1 credit
This class is designed for future kindergarten and special education teachers or physical education specialists with emphasis on the physical needs of children, the selection and analysis of fundamental skills, the development of skills and the application of various methods of instruction at the kindergarten and special education grade levels. Prerequisite: Junior standing. Fall semester.
361 Elementary School Physical Education (coed) — 2 credits
The class is designed for future elementary school teachers, and elementary school physical education specialists, with emphasis on the physical needs of children. The analysis of fundamental skills, the development of skills and the application of various methods of instruction at the primary and intermediate grades. Prerequisite: Junior standing or instructor's permission. Either semester.

425 Problems in Teaching Physical Education (coed) — 2 credits
CCBII. A course for senior students who have completed student teaching. Students will mutually consider problems encountered in student teaching and attempt to solve them. The resources of the entire physical education staff, plus outside experts will be used. Opportunities for individual research will be provided. Prerequisite: Student teaching. Fall semester.

430 Problems in Interscholastic Athletics (coed) — 2 credits
CCBII. Study of the organization and management of interscholastic athletics including nature and functions of budgeting, finance, personnel, facilities, equipment, supplies, scheduling, records, public responsibilities, legal responsibilities, professional relationships, and professional advancement. Prerequisites: One semester of Skills for Teaching Physical Education and Senior standing. First semester.

451 Correctives (co-ed) — 2 credits
Survey of common deviations of posture, functional disturbances and crippling conditions found in school children. Consideration of the extent and limitations of the teacher's responsibility for correction or improvement of physical defects. Prerequisite: Kinesiology or instructor's permission. Spring semester.

457 Organization and Administration of Physical Education (co-ed) — 3 credits
Study of departmental organization, instructional and recreational programs, supervision of instruction, physical plant, and finance. Prerequisite: Junior standing or instructor's permission. Either semester.

471 Highly-Organized Games (W) — 2 credits
The course is designed to prepare women to teach and coach team sports. Areas covered will include organizing the team, scheduling and facilities, coaching methods, drills and practice sessions, and advanced team strategy. Sports considered will be field hockey, volleyball, basketball, track and field, and softball. Prerequisite: Junior standing or instructor's permission. Either semester.

P PSYCHOLOGY

Lower Division

101 General Psychology — 3 credits
The first half of an introductory course in psychology. General Psychology 101 and 102 are more concerned with theory and terminology than are the other beginning courses listed in this section. Emphasis in the first semester will be on growth and development, individual differences, motivation, emotion, adjustment, learning, perception, and thinking. Recommended preparation: one year of college-level science. Each semester.

201 Intro to Practice of Psychology — 3 credits
An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Prerequisite: General Psychology 101 and consent of instructor. Spring semester.

210 Human Growth and Development — 3 credits
A survey of significant factors in development from conception through adolescence. Consideration is given to normal patterns of maturation and adjustment. Major constitutional and environmental adjustment problems will also be presented. The course is intended for those who wish to study the general factors in child and adolescent development, not for psychology or education majors. Students may not earn credits in this course and in Child Psychology P-311 or Adolescent Psychology P-312. Either semester. Not offered 1973-74.

225 Physiological Psychology — 3 credits
A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information with the organization of behavior. Examples of sensation, perception, motivation, emotion, and learning will be studied from this point of view. Prerequisites: General Psychology 101. B-107 Human Physiology & Anatomy, and consent of instructor. Fall semester.

Upper Division

301 Abnormal Psychology — 3 credits
A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. Prerequisite: General Psychology 101. Either semester.

305 Statistical Methods — 3 credits
Statistical concepts and methods commonly used in treatment of data in the Social Sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and simple analysis of variance. Prerequisites: Mathematics of the Life Sciences M-115-116. Each semester.

311 Child Psychology — 3 credits
A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. Each semester.

312 Adolescent Psychology — 3 credits
Chronologically a continuation of Child Psychology P-311; the course will emphasize the special conditions of adolescent growth and adjustment. Consideration will be given to maturation and social patterns, and to behavioral, learning, and other problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. Spring semester.

321 Experimental Psychology — 4 credits
The application of scientific methodology to the study of behavior. Design of experiments; methods of analysis and interpretation of data; reporting of behavioral research. Two lectures and two two-hour laboratory periods per week. Prerequisite: General Psychology 101. Statistical Methods P-305 and Mathematics for the Life Sciences M-115-116. Each semester.

325 Educational Psychology — 3 credits
A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: General Psychology 101. Each semester.

341 Perception — 3 credits
A survey of the basic concepts in the psychology of perception, including a review of the findings of present day research on the receptor processes. Prerequisite: General Psychology 101. Offered alternate years. Spring semester.

351 Personality — 3 credits
A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology 101. Spring semester.
353 Psychoanalytic Psychology — 3 credits

405 Advanced Statistical Methods — 3 credits
Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measure designs) and related trend tests, multiple comparison tests, and transformations. Other topics include multiple correlation techniques, analysis of covariance, nonparametric tests, and contemporary controversies in the field of statistics. Prerequisite: P 305, Statistical Methods. Limited enrollment; preference to psychology majors who are planning to go on to graduate school. Spring semester.

421g Psychological Measurement — 3 credits
An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: General Psychology 101. Mathematics for the Life Sciences M-115-116 and Statistical Methods P-305. Spring semester.

431 Social Psychology — 3 credits
Social factors affecting individual behavior: formation and change of attitudes; social and cultural effects on individual cognitions; effects of leadership on members of groups and organizations. This course may be taken for Psychology or Sociology credit but not for both. Prerequisite: General Psychology 101 and introduction of Sociology 101. Either semester.

435 Psychology of Motivation — 3 credits

441 Learning — 3 credits
Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: Conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology 101, Mathematics for the Life Sciences M-115-116, Statistical Methods P 305. Experimental Psychology P 321 may be taken before or concurrently with Learning. Either semester.

461 Psychological Systems — 3 credits
Theories and controversies of the past and present. Prerequisite: Senior standing in Psychology. Either semester.

503 Individual Testing Practicum
Emphasis in the course will be placed on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics for the Life Sciences M-115-116, Statistics and Psychological Measurement, P-421. Either semester.

TE TEACHER EDUCATION

Lower Division

108 Developmental Reading — 2 credits
The course is designed to develop the speed of reading by each individual through the enhancement of improved techniques in vocabulary development, familiarity with subject matter, locating the main idea, recognizing paragraph patterns and types, skimming and scanning, study skills, and test taking. A variety of activities are employed, including the employment of electronic devices. Either semester.

201 Foundations of Education — 3 credits
A general introductory course in education to give the student, as early as possible in his preparation for teaching, some familiarity with the teaching profession. It deals with the work of the teacher: the fundamental social, historical and philosophical background for teaching; current educational problems and practices. It helps students decide whether they should or should not become a teacher. Admission to the Teacher Education Program will be contingent upon meeting certain requirements specified in this course. Each semester.

Upper Division

351 Elementary Curriculum and Methods I — 5 credits
The first semester of Elementary Curriculum and Methods with an emphasis upon language arts. However, all aspects of curriculum are included. Prerequisite: Child Psych. To be taken concurrently with Student Teaching 471. Fall semester.

352 Elementary Curriculum and Methods II — 5 credits
The second semester of Elementary Curriculum and Methods with an emphasis upon social studies, science, and mathematics. However, all aspects of curriculum are included. Prerequisite: Elementary Curriculum and Methods I, TE 351. To be taken concurrently with Student Teaching TE 472. Spring semester.

356 Audio-Visual Aids in Education — 2 credits
Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in the operation of the equipment involved. Each semester.

371 Guidance for the Classroom Teacher — 3 credits
A study of the guidance activities normally carried on by the classroom teacher. Either semester.

381 Secondary School Methods — 3 credits
A study of the overall program and objectives of the secondary school with special attention given to methods and materials of instruction. Application is made to the student's teaching areas. Prerequisite: Admission to the School of Education. This course, and/or a special methods course, should be completed prior to student teaching. Each semester.

391 Psychology of the Exceptional Child — 3 credits
A psychological study of children who deviate from the average mentally, physically, socially, and emotionally to such an extent that special treatment is needed. Problems of identification, diagnosis, treatment, training, and employment are considered. Prerequisite: Educational or Child Psychology. Fall semester.

392 Education of the Exceptional Child — 3 credits
A study of methods, materials, and curriculum for atypical children in regular and special classrooms. Prerequisite: Psychology of the Exceptional Child. Spring semester.

393 Driver Education — 2 credits
This course is designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control and safety. Spring, Summer.

394 Advanced Driver Education — 2 credits
A course designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. Prerequisite: TE-393. Spring, Summer.

395 General Safety Education — 3 credits
This course is designed to provide a comprehensive survey of general safety education as it applies to all fields but especially to the public schools. Topics include the study of accidents and their prevention, safety and accident prevention in the
schools, traffic safety, student transportation and the school's role relative to safety problems with other public and private agencies. Prerequisite: Upper division standing.

420 Curriculum for the Mentally Retarded — 3 credits
A study of the specific curriculum needs of the mentally retarded and the methods and adaptations necessary in the education of the student. A basic approach to the development of the curriculum for the mentally retarded and the teacher's influence in its implementation. Fall semester.

421 Teaching Strategies for the Mentally Retarded — 3 credits
Survey and identification of teaching methods utilized in classroom teaching of all levels of mental retardation. Spring semester.

430 The Diagnosis of Learning Disabilities — 3 credits
The course will assist teachers in diagnosing learning disabilities and in preparation of teaching experiences for assisting or overcoming these disabilities. Fall semester.

431 The Remediation of Learning Disabilities — 3 credits
Emphasis is placed on the recognition and development of the prescriptive educational needs of the student indicating learning disabilities. The course provides the teacher with tools for preparation of the educational program needed for the improvement and possible correction of the specific learning disorder. Spring semester. Prerequisite: TE 430 or consent of the instructor.

440 Instructional Materials for the Exceptional Child — 3 credits
Opportunities for the planning, use and evaluation of instructional materials for specific exceptionalities will be the format of this course. Students will develop procedures that the teacher of the exceptional child will use in the classroom activities in regard to the materials available. The Associate Special Education Instructional Materials Center, and other resources will provide the materials and equipment for the course. Either semester.

455 Corrective Reading in the Elementary School — 3 credits
A study of reading difficulties of elementary school pupils with emphasis upon diagnosis, materials, and methods of teaching. Prerequisite: Elementary Student Teaching, TE-471, or teaching experience and a basic course in the teaching of reading. Either semester.

461 Child Behavior in Early Childhood Education — 3 credits
Various approaches of working with behavior of children is explored. Areas include reinforcement, behavior modification, the engineered classroom and the psychological principles of Dreikurs and others. Emphasis will be placed on individual differences in children with practical suggestions offered for implementing special techniques. Spring semester.

462 Curriculum in Early Childhood Education
All areas of the curriculum will be explored. Software and hardware will be examined and applications made to large groups, small groups, and individualized instruction. Class will be individualized to meet needs of enrolling students. Fall semester.

463 Teaching Strategies in Early Childhood Education — 3 credits
Learning centers, instructional materials, individualization, and creating teacher-made materials will be explored in depth. The use of aids, parents, and other community resources in the classroom will be discussed and techniques with techniques for evaluating their progress. Fall semester.

464 Classroom Structure in Early Childhood Education — 3 credits
Philosophy, curriculum, role of the teacher, British Infant and Primary Schools are discussed in detail. Various open classroom demonstration projects in the U.S. are presented. Applications to individual teacher's classrooms are explored. Spring semester.

470 Elementary Student Teaching — 3 credits
Observation and supervised teaching in the schools of Boise. Summer.

471 Elementary Student Teaching — 5 credits
Observation and supervised teaching. Prerequisites: Approval of an Application for Student Teaching, Senior standing, and G P A. 2.25. Fall semester.

472 Elementary Student Teaching — 5 credits
Observation and supervised teaching. Prerequisite: TE-351. To be taken concurrently with Elementary Curriculum and Methods. TE-352. Spring semester.

481 Secondary Student Teaching — 6 credits
Supervised student teaching in a secondary school. Prerequisites: (1) Admission to the School of Education. Completion of Secondary Methods, or a special methods course in the teaching area with a minimum grade of "C". Senior standing. GPA of 2.25 in major field, minor field, and education courses. A cumulative GPA of 2.1. Recommendation of the faculty advisor or department chairman. Approval of an official application for student teaching. Application must be filed with the office of the Assistant Dean by March 1 of the Junior year. Each semester.

491 Special Education Techniques Prac-ticum — 4 credits
Provides the student with an opportunity to experience specific educational programming and learning sequences related to their interest in special education. In-depth field study of the exceptional child will be conducted by participants in gaining greater knowledge related to evaluation, prescription, and teaching in the classroom. Either semester. Prerequisite: Consent of the Instructor.

LS LIBRARY SCIENCE

Lower Division

101 Introduction to Use of Books and Libraries — 2 credits
Teaches efficient use of library materials: card catalog indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshmen, sophomores and new students. Recommended for education majors. Fall semester.

Upper Division

301 Library Organization and Administration — 3 credits
An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the instructional program. First semester.

311 Reference and Bibliography — 3 credits
Introduction to the principles and techniques of reference work: the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries. Fall semester.

316 Children's Literature — 3 credits
Emphasis on selection, wide reading, and evaluation of books for children, and reading guidance in relation to both personal and curricular needs. Required of elementary education majors and elementary school librarians, recommended for public librarians, parents and any who work with children. Each semester.

321 Basic Book Selection — 3 credits
Principles and techniques for evaluating and selecting library materials: introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for the slow and gifted reader. Spring semester.

331 Cataloging and Classification — 3 credits
MASTER OF ARTS IN ELEMENTARY EDUCATION

General Prerequisites for Applicants

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university, and who give promise of meeting the standards set by the School of Education as well as the specific regulations of the particular program to which they apply.

Applicants for regular status in the Graduate Program administered by the School of Education normally must have maintained a grade point average of at least 2.75 on the last two years of undergraduate study, or an overall grade point average of 2.75.

All applicants must be accepted by the School of Education through its Department of Teacher Education. Specific requirements will be determined by this department for graduate admission to a teacher education program designed to provide graduate preparation of elementary teachers.

The Graduate Degree Program

The elementary education graduate program will consist of at least 30 semester hours of credit, determined as follows:

- Required courses — Education: 9 semester credits
- Elective courses — Education: 12 semester credits
- Open electives: 6 semester credits
- Seminar: 3 semester credits

Total: 30 semester credits

A maximum of 9 semester credits may be accepted from other graduate schools upon application and consideration of applicability of the course by a committee of the graduate faculty.

Required Courses in Education

A comprehensive core of 9 semester hours is a requirement for all candidates for the Master of Arts in Elementary Education degree.

TE-570, 571, 572 Comprehensive Core for Elementary Education — 3 credits each

This comprehensive core provides "currency" in the following areas:

- Elementary curriculum development and innovation
- Testing, Evaluation and Educational Research
- Learning Theories and Applied Psychology
- Philosophical and Sociological Foundations

Elective Courses in Education

Twelve semester hours of credit must be chosen from the courses listed in this elective area. At least one course must be chosen from Cluster I and from Cluster II. The candidate will be able to select courses which will strengthen his effectiveness as an elementary teacher.

Cluster I (Choose at least one course)

TE-598 Seminar in Elementary Education — 3 credits

This seminar is required of all candidates. The seminar will include directed reading, individual or group action research, and project writing.

Cluster II (Choose at least one course)

P-501 Counseling and Guidance in the Elementary Classroom — 3 credits

A study of counseling & guidance techniques for the elementary school. Attention is given to the study & application of basic guidance services as related to the regular & special education programs. Prerequisite: P-101 General Psychology.

TE-505 Individual Tests and Measurements — 3 credits

An intensive investigation is pursued in the field of individual testing, measurement and evaluation.
TE-515 Development of Skills for Teaching Pupils with Learning Difficulties — 3 credits
A study of the techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with learning difficulties will be the major emphasis of this course.

TE-516 Development of Skills for Teaching the Fast Learner — 3 credits
The techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with exceptional abilities will be studied.

TE-517 Development of Skills for Teaching the Mentally Retarded — 3 credits
The techniques and methods applicable for use by the classroom teacher in developing skills for working with mentally retarded pupils will be studied.

P-502 Advanced Educational Psychology — 3 credits
A study of contemporary issues involving both theoretical and methodological considerations in the history and systems of educational psychology will be given. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. Prerequisite: P-101 Gen. Psych.

P-503 Individual Testing Practicum — 3 credits
Emphasis in the course will be placed on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics 115-116, Statistics, and Psychological Measurement, P-421. Either semester.

P-504 Analysis of the Individual — 3 credits
A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information. Prerequisite: P-101 General Psychology.

P-505 Personality Development — 3 credits
Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation is developed. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. Prerequisite: P-101 General Psych.

P-421g Psychological Measurement — 3 credits
An introduction to the theory and nature of psychological measurement together with a survey of psychological tests currently used. Prerequisite: General Psychology P-101. Mathematics for the Life Sciences M-115-116 and Statistical Methods P-305.

Additional Elective Courses in Education

TE-518 Techniques for Creative Writing in Elementary Schools — 3 credits
Methods and techniques for encouraging creative writing in the elementary school pupils will be given.

TE-519 Advanced Children's Literature — 3 credits
A presentation of the latest in children's literature for use in the elementary school will be made. Special emphasis upon children's poetry will be included.

TE-520 Educational Media — 3 credits
This course will acquaint the elementary classroom teacher with the latest educational media available for use. Evaluation of the materials in a media center will be studied. Emphasis upon the use of a curriculum resource center in the local school system will be made.

TE-521 Elementary Physical Education Activities — 3 credits
Methods and techniques for classroom and playground activities for physical education curriculum development will be presented. Emphasis upon corrective physical education procedures will be given.

TE-522 Individualization of Reading Instruction — 3 credits
Emphasis upon the individualized approach to reading education.

Open Courses (Choose 6 Credits)
Six semester hours of credit will be open for selection in any area of the college course offerings that will enable the candidate to strengthen his potential in elementary instruction. The candidate, in cooperation with his graduate committee, will choose courses from education or from the academic subject matter areas which will meet his individual needs as a teacher. A special topics or practicum experience may be arranged in this six semester hour open block of credits. It is the desire of the school of Education to make this area so flexible that the needs of each individual candidate for the graduate degree can be adequately met.

MASTER OF ARTS IN ELEMENTARY EDUCATION FOR READING SPECIALIST

The candidate who is interested in pursuing a Master of Arts Degree in Elementary Education with the intent to become a Specialist in Reading Education will be required to complete the following program in addition to the 9 semester hours in the Elementary Education Core.

REQUIRED READING COURSES

TE-501 Advanced Practices and Principles in Teaching Reading — 3 credits
The total reading process is stressed. Areas such as readiness, grouping, methodologies, new approaches to reading, dictionary skills, word attack skills and comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed.

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) — 3 credits
The role of the special reading teacher and his type of screening devices is developed. Various standardized and informal reading tests are put into practice by working with a child in the Reading Center. A case study culminates the course. Prerequisite: TE 501.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) — 3 credits
Remediation approaches and techniques for disabled readers is emphasized. Training is fostered by tutoring a child under supervision in the Reading Center. Prerequisite: TE 502.

TE-504 Seminar in Reading Education — 3 credits
The significant research concerning all phases of reading is abstracted and discussed in small group settings. Instruction in Reading research in reading is developed and is brought into focus by the scholar's conducting his own reading research project. Prerequisite: TE 503.

In addition to the above requirements, the candidates, with the guidance and approval of his Reading Education Center advisor, is required to complete 9 semester hours of electives from the total graduate offerings.
SCHOOL OF
HEALTH SCIENCES
Dean: Victor H. Duke, Ph.D.
Associate Dean: JoAnn T. Vahey, Ed.D.

INTRODUCTION

Today's health care systems are undergoing remarkable changes. This is largely due to the increasing consideration by all citizens that good health care is a basic human right. Delivery and maintenance of this level of health care require the efforts of many different professional people and technicians, all equally committed to the same goal and acting as a team.

Essentially, two major kinds of team members exist: one group is responsible for creating and maintaining institutional service programs which support the physician in his work of diagnosis and treatment; the other group, upon the request of the physician, provides direct patient care of an evaluative and treatment nature.

The School of Health Sciences at Boise State College, with its affiliated teaching hospitals, offers instruction in several programs in Pre-Professional Studies, Nursing, Allied Health Studies and Community and Environmental Health. The School and its faculty are also dedicated to service in both community and state activities dealing with health. In addition the School of Health Sciences feels a responsibility to provide continuing education for the practicing health professionals. Indeed, the primary objective of the School is to support the maintenance of optimal health through education.

DEPARTMENTS AND FACULTY

DEPARTMENT OF NURSING:
JoAnn T. Vahey, Ed.D., Chairman
C.C. Morgan, M.D., Medical Director (Adjunctive Assoc. Prof.)
Sheila Truby, Academic Coordinator
Diana Obenauer, Clinical Coordinator
Professors: Florence Miles
Associate Professors: J.T. Vahey, D. Kelly, N. Fleming
Assistant Professors: R. Downes, C. Fountain, M. Keller, B. Rhoads, M. Wilcox
Instructors: B. Bennett, C. Matson, M. Neal, C. Flanary, D. Obenauer, N. Thomason, S. Truby
Special Lecturers: B. Eno, D. Ruzucki, S. Trevino

DEPARTMENT OF PREPROFESSIONAL STUDIES
M.M. Burkholder, M.D., Medical Director (Adjunctive Assoc. Prof.)
T.L. Neher, D.D.S., Dental Director (Adjunctive Assoc. Prof.)
E.G. Fuller, Ph.D., Coordinator of Advisors (Associate Prof. Zool.)

DEPARTMENT OF ALLIED HEALTH STUDIES
Medical Technology
L. Beals, Director of Clinical Instruction (Adjunctive Assoc. Prof.)
E.G. Fuller, Ph.D., Associate Prof. of Zool., Academic Coordinator
L.L. Knight, M.D., Medical Director (Adjunctive Assoc. Prof.)

Respiratory Therapy
L. Christensen, A.R.I.T., Director
C. Reilly, Coordinator of Clinical Instruction
C.E. Reed, M.D., Medical Director (Adjunctive Assoc. Prof.)
Instructors: L. Christensen, A.R.I.T.

Medical Records Technology:
E. Rockne, R.R.A., Director
J. Coltrin, R.R.A., Supervisor of Directed Practice
C. C. Morgan, M.D., Medical Director (Adjunctive Assoc. Prof.)
Instructors: E. Rockne, J. Coltrin

Medical Secretary Program:
H. R. Johnson, Academic Advisor, Asc. Prof. of Office Administration

Radiology Technology
D.W. Bennett, M.D., Medical Director (Adjunctive Assoc. Prof.)
R.A. Luke, Asc. Prof., Physics, Academic Coordinator
V. Demond, R.T., St. Luke's Hospital Program, Education Coordinator
D. Cook, R.T., St. Alphonsus Hospital Program, Education Coordinator

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH:
Special Lecturers: C. Despain, R. Desaulniers

GENERAL HEALTH SCIENCES:
V.H. Duke, Ph.D., Professor
Special Lecturers: C. Steuart, M.D., Ph.D. (Adjunctive Professor)
CLINICAL AFFILIATES
Caldwell Memorial Hospital, Caldwell, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
St. Alphonsus Hospital, Boise, Idaho
St. Luke’s Hospital, Boise, Idaho
Veterans Administration Hospital, Boise, Idaho

SCHOOL OF HEALTH SCIENCES
Nursing

BACCALAUREATE DEGREE NURSING
Beginning September 1974 the Department of Nursing will initiate a baccalaureate degree program with a major in nursing. Students who wish to apply for this program must meet the published admission requirements and complete the prescribed credit requirements.

Registered nurses who have completed an associate degree program in nursing or who demonstrate equivalent competency through a special evaluation program established by the Department of Nursing are eligible to apply for admission to the baccalaureate degree program.

Under this new program there is also the opportunity for registered nurses to complete certification requirement in specialized care areas without completing the baccalaureate requirements. In the first year of the program, courses will be available to eligible candidates for Leadership in Nursing and Acute Care Nursing. Courses will be developed the following academic year for other areas of nursing.

ASSOCIATE DEGREE NURSING
Boise State College offers a two-year Associate Degree program in nursing. The program is collegiate in nature. Courses offered by the Department of Nursing offer clinical experience in area health facilities. The program is accredited by the Idaho State Board of Nursing, the Northwest Association of Secondary and Higher Schools, and the National League for Nursing. Graduates are eligible to write the licensure examination for registration.

Philosophy
The Boise State College Department of Nursing operates within the philosophy of the total college. The faculty believe nurses can best be educated in an academic institution because general education promotes development of the individual as a member of society as well as a member of the nursing profession. Students enrolled in the nursing curriculum work and socialize with students in various other fields of study on the campus.

With the belief that the goal of nursing is health, the curriculum is based on the concept that man has seven basic needs which must be maintained to attain and preserve health. Preparation of students is aimed toward fulfillment of health needs of society today as well as allowing peaceful death to the terminally ill. Health is viewed as a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity. The nursing curriculum emphasizes clinical practice as well as theoretical preparation in the seven basic need concepts of oxygen, mental health, nutrition, elimination, activity, safety, and comfort. Safe, knowledgeable patient-centered nursing care is the standard for advancement in all nursing courses. The courses place emphasis on common health problems with limited exposure to care of the critically ill patient. The curriculum develops students' abilities to apply principles of nursing in clinical practice.

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Each student entering the program brings a background of individual abilities and attributes. The faculty believes that each student's interests and abilities should be recognized and promoted within the nursing program. Students are prepared in concepts of nursing care for use in various settings: emphasis is placed on the importance of continued learning in the individual's chosen field.

In order to allow development of the individual to the maximum of his/her potential, individual counseling and evaluation are an integral part of each nursing course.

The graduate is awarded an Associate of Science degree and is eligible to take the State Board examination for licensure as a registered nurse.

Objectives: The Graduate:
1. Recognizes basic human needs and formulates ways of meeting them within the practice of nursing.
2. Recognizes deviations from basic health and intervenes to promote optimum health.
3. Demonstrates effective decisions in the practice of nursing and accepts accountability for his actions.
4. Uses basic knowledge and concepts for developing skills and underlying nursing care.
5. Communicates for the purpose of promoting progress in the patient's health care.
6. Demonstrates sensitivities and abilities for good interpersonal relations.
7. Is acquainted with community health problems and resources.
8. Shows insight concerning his own feelings and behavior.
9. Recognizes his role as a technical nurse on the health team.

Admission
Admission to the Department of Nursing is based upon general college requirements.

Steps to Application:
All applicants will be reviewed by the Admission, Promotion, and Graduation Committee of the Department of Nursing after March 1. Applicants are considered for admission on the basis of educational and experiential background.

All applicants will be placed in one of three groups:
1) High School graduates will be considered for admission on the basis of A.C.T. Scores; a composite standard score of not less than 20, plus a 75th percentile rating.
2) Licensed Practical Nurses will be considered for admission on the basis of a high school diploma or G.E.D., a score of 500 or better on the State Board Examination, and on letters of recommendation from the present employer and director of educational program.
3) College students who have earned a minimum of 15 college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.75 G.P.A. or better.

Among equally qualified applicants in each of the three groups, students will be selected with consideration to minority groups and to students from all geographic regions served by Boise State College.

Steps to Application:
1. Make application for admission to Boise State College and the Department of Nursing. Both application forms are available from the Admissions Office in the Administration Building, Room 100.
2. Submit an official high school transcript or G.E.D. test scores and official transcripts of all previous college work to the Admissions Office.
3. Submit A.C.T. scores to the Admissions Office.
4. Complete all application requirements by March 1.

General Information
All applicants to the Nursing Program will receive a letter indicating acceptance or non-acceptance.

All applicants admitted to the Nursing Program are required to:
1. Submit a physical exam report and a chest x-ray to the Student Health Center prior to August 1.
2. Purchase a Boise State College Student Nurse uniform.
3. Submit a special nursing laboratory fee of $25.00 at Fall Registration. (Yearly)

PROMOTION AND GRADUATION
1. Students must make reasonable progress throughout the nursing curriculum. A G.P.A. below 2.0 will disqualify a student from continuing the next semester of the nursing curriculum.
2. Nursing students obtaining a “D” or “F” in their major (nursing) must repeat the course and raise the grade to “C” or above before continuing the nursing curriculum.
3. A grade of “D” in any theory or clinical evaluation period will place a student on probation.
4. Two grades of “D” or one “F” in theory or clinical evaluation is considered adequate reason for dismissal from the program. When this situation occurs, it will be reviewed by nursing faculty for final action.
5. Any student whose grade is “F” in any theory of clinical evaluation receives an “F” for the course.
6. Students entering each semester of the nursing curriculum must have a 2.0 G.P.A.
7. Students with a cumulative G.P.A. of 2.0 and no grade below a “C” in their major qualify for graduation.
### Nursing Curriculum

**FRESHMEN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>*Chemistry (C 101)</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>General Psychology</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>*Nutrition</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>*Human Physiology and Anatomy</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>*Basic Health Needs</td>
<td>6</td>
<td>6</td>
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**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
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<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>*Microbiology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>*Sociology</td>
<td>-</td>
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<tr>
<td><strong>Humanities Elective</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>*Deviations from Basic Health</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>*Nursing Seminar</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

*Core Courses (Those listed for the Freshman Year must be completed before enrolling in those listed for the sophomore year)

*Courses in Music, Art, Drama, Literature, Philosophy, Communications, and Foreign Language meet the requirement of the humanities elective.

### Department of Preprofessional Studies

**INTRODUCTION**

The PreProfessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the health sciences occupations and who have therefore declared a major in: pre-medicine, pre-dentistry, pre-veterinary medicine, pre-optometry, pre-pharmacy, pre-dental hygiene, and other health sciences professions.

**Academic**

Students in pre-medicine, pre-dentistry and pre-veterinary medicine may choose a Biology or Chemistry option (below) or Health Science Studies (Dept. of Allied Health Studies). In addition to these basic options, courses in Medical Sociology, Community Health, and Medical Terminology are recommended. The student's academic progress is monitored by the advisory faculty and the Dean of the School. At appropriate intervals the student is counseled regarding his or her progress toward a career goal.

**Clinical**

In addition to their academic course work the Pre-Professional Studies students have opportunities and are encouraged to work and observe at first hand the practice and delivery of health care in a clinical environment.

**PreProfessional Internship**

Selected students in their third or fourth year may register for an internship of two credits per semester. These students will work and study in a clinical environment with a practicing physician, dentist, veterinarian, etc.

### School of Health Sciences

**Pre-Professional Studies**

**Hospital Learning-Volunteers**

Students may be identified as special volunteers. The hospital will endeavor to rotate each volunteer through various departments of the hospital in which they will perform their volunteer service. These students must be majors in the School of Health Sciences and be certified to the hospital by the Dean.

**Requirements for Pre-Medical, Pre-Dental, Pre-Veterinary Medicine Studies**

1. **Biology Option**
   - General College and Baccalaureate Degree
     - Requirements to include
       - English Composition: 6
       - General Psychology: 3
   - Biology Requirements
     - Advanced General Biology: 10
     - General Bacteriology: 4
     - Comparative Anatomy: 4
     - Vertebrate Embryology: 4
     - Mammalian Physiology: 4
     - General Genetics: 3-4
     - Vertebrate Histology: 4
   - Chemistry Requirements
     - General Chemistry: 10
     - Organic Chemistry: 6-8
     - Analytical Chemistry: 5
     - Biochemistry: 4
   - Physics and Mathematics
     - General Physics: 8
     - Mathematics sequence: 10
   - Totals for areas 1-4: 107-110
   - Electives Needed: 18-21

2. **Chemistry Option**
   - General College and Baccalaureate Degree
     - Requirements to include
       - English Composition: 6
       - General Psychology: 3
   - Biology Requirements
     - Advanced General Biology: 10
     - Comparative Anatomy: 4
     - General Genetics: 3-4
     - Vertebrate Embryology: 4
   - Chemistry Requirements
     - General Chemistry: 10
     - Organic Chemistry: 10
     - Analytical Chemistry: 5
     - Physical Chemistry: 8
     - Instrumental Analysis: 4
     - Chemistry Preparations: 2
     - Chemistry Seminar: 2
   - Physics and Mathematics
     - Math 115-116: 10
     - Math 205-206: 8
     - General Physics: 8
   - Total for Areas 1-4: 118-119
   - Electives: 9-10

* Additional upper division credits so that upper division credits total at least 40.
† Other Pre-Professional Studies majors will be given curriculum recommendations specific to their interests by the faculty advisors.

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This curriculum is designed for students interested in a professional career in dental hygiene. This particular program is designed for students planning to enroll in the dental hygiene program as sophomore or junior students at Idaho State University. The dental hygiene curriculum leads to either a Bachelor of Science or Bachelor of Arts Degree in Dental Hygiene. Those students who plan to enroll at schools other than Idaho State University are advised to pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.
In order to deliver the best health care possible, it is necessary that the physician or other members of the health care team be able to utilize the many complex and specialized tests, procedures and instruments which modern medical science has produced. This requires that persons must be trained to complement and support the physician in providing the best treatment for the patient. These other members of the health team are known as allied health personnel.

HEALTH SCIENCE STUDIES

BACHELOR OF SCIENCE

The bachelor of science degree in Health Science provides the curriculum whereby an individual may gain an education in the biological, physical, and health sciences to provide a foundation for additional professional or graduate work in several health science professions. This curriculum should be of particular interest to those wishing to qualify for admission into hospital programs leading to certification as medical technologists. It is also recommended for students in pre-medical, pre-dental and pre-veterinary programs.

1. Requirements:
   - Area I Requirements: 12 credits
     - English Composition: 6
   - Area II requirements: 12 credits
     - Math: 10
     - General Chemistry: 10
     - Organic Chemistry: 10
     - Biochemistry: 4
     - General Biology: 10
     - Bacteriology: 5
     - Physiology: 4
   - Subtotal: 83 credits

2. Electives (science) 6 courses
   - General Physics (8) or Biophysics (4)
   - Genetics (3)
   - Histology (4)
   - Analytical Chemistry (5)
   - Pathogenic Bacteriology (4)
   - Cytology (4)
   - Parasitology (3)
   - Comparative Anatomy (4)
   - Subtotal: 22-29

3. Electives (Health Science and Free)
   - Medical Terminology (3)
   - Environmental Economics (proposed 2)
   - Preprofessional Internship (2)
   - Area I, II or III (7-14)
   - Subtotal: 16-23

Total: 128 credits

In 1967 the ratio of allied health personnel to physicians was approximately ten allied health people to one physician. The present ratio is approaching the projected ratio for the mid-seventies of twenty to twenty-five per physician. It is clear that delivery of adequate and quality health care depends on the education of persons in technological specialties.

MEDICAL TECHNOLOGY

E.G. Fuller, Ph.D., Academic Coordinator, Assoc. Prof. of Zoology

L.L. Knight, M.D., Medical Director and Adjunctive Assoc. Prof.

L. Beals, M.S., Director of Clinical Instruction and Adjunctive Assoc. Prof.

MEDICAL TECHNOLOGY MAJOR

Bachelor of Science Program

Medical Technology offers an excellent opportunity for those interested in science fields which relate to the medical laboratory. However, there is increasing demand for the limited space in the hospital training programs and it is essential that those interested in the profession be well versed in physical, biological and health sciences.

To this end, the School of Health Sciences offers the student two options. He may take three years of academic work (96 credits) in which he will complete the basic science requirements of the Registry of the American Society of Clinical Pathologists as well as the requirements of the college core. The student may then apply for the one-year clinical program, and upon its successful completion will be eligible to write the examination for certification and also will be granted a B.S. degree in Medical Technology.

The student may also complete the fourth year in a prescribed academic program to earn a B.S. in Health Sciences Studies. After completion of one year in an accredited hospital program, he would be eligible for a second degree of a B.S. in Medical Technology.

Those BSC students who gain admission to an accredited hospital program and who wish to have this experience counted for BSC credit must enroll in MT 491-2. A registration fee of one dollar per credit hour is required. This will provide the individual with student privileges such as access to college loans and scholarships, use of the library and gymnasium, etc.
REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

1. Completion of basic core requirements:
   - English composition: 6 credits
   - Area I: 12
   - Area II: 12
   - Mathematics: 10
   - General Chemistry: 10
   - Organic Chemistry: 10
   - Biochemistry: 4
   - General Biology: 10
   - Bacteriology: 5
   - Physiology: 4

2. Health Science, Science and Free Electives: 13
   - Total: 96 credits

3. Senior year - Clinical Class and Practice:
   - A calendar year to be spent in St. Luke's Hospital or St. Alphonsus Hospital, Boise, Idaho; or in other hospitals having training programs approved and accredited by the ASCP. 32 credits
   - Hematology: 6
   - Clinical Bacteriology: 8
   - Clinical Parasitology & mycology: 2
   - Urinalysis: 1
   - Clinical Chemistry: 10
   - Serology: 3
   - Immunology: 2
   - Total: 32

MEDICAL TECHNOLOGY MAJOR
(Suggested Program)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>5</td>
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<tr>
<td>Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Area II Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
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SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced General Biology</td>
<td>5</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Area I Electives</td>
<td>4</td>
</tr>
<tr>
<td>Area II Electives</td>
<td>3</td>
</tr>
<tr>
<td>Unspecified Electives</td>
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<td></td>
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JUNIOR YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Bacteriology</td>
<td>5</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>Mammalian Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Area I Elective</td>
<td>4</td>
</tr>
<tr>
<td>Unspecified Electives</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>16</td>
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</tbody>
</table>

SENIOR YEAR - Clinical Class and Practice

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematology</td>
<td>6</td>
</tr>
<tr>
<td>Clinical Bacteriology</td>
<td>8</td>
</tr>
<tr>
<td>Clinical Parasitology &amp; mycology</td>
<td>2</td>
</tr>
<tr>
<td>Urinalysis</td>
<td>1</td>
</tr>
<tr>
<td>Clinical Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>Serology</td>
<td>3</td>
</tr>
<tr>
<td>Immunology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

Respiratory Therapy

L. Christensen, A.R.I.T., Director

C. Reilly, Coordinator of Clinical Instruction

C.E. Reed, M.D., Medical Director, Adjunctive Associate Professor


Advisory Board: M. Chapman, S. Gossi, J. McCabe, M.D., D. Merrick, M.D., D. Nueurenberg, A.R.I.T., C. Reed, M.D., D. Ricks, M.D.

Philosophy

Respiratory Therapy is an allied health specialty which is concerned with the treatment, management, control and care of the patient's process of breathing. The Respiratory Therapist is a specialist in the use of therapeutic and diagnostic aids to breathing.

The Respiratory Therapy program at Boise State consists of a two-year course of study leading to an Associate of Science degree in Respiratory Therapy. The program is accredited by the American Medical Association.

The program consists of basic courses in arts and sciences and professional courses in respiratory therapy. Receipt of the Associate of Science degree qualifies the student academically for the examination of the American Registry of Inhalation Therapists, which is the professional designation.

Objectives

The graduate will be prepared to accomplish the following objectives under medical direction:
a. Administer gas, humidity, and aerosol therapy, including the administration of drugs by these therapeutic methods.

b. Administer intermittent positive pressure breathing treatments.

c. Assist with long term continuous artificial ventilation, special therapeutic procedures and cardiopulmonary resuscitation; also perform tasks related to patient care, especially those of airway management, while he is involved in giving respiratory therapy.

d. Participate in the development of Respiratory Therapy units.

Requirements for Admission

Admission to the Respiratory Therapy program is based upon general college requirements.

1. Make application for admission to Boise State College (including submission or report of physical examination) and also complete special application for the Respiratory Therapy Program. Both applications are available at the Admissions Office.

2. Take A.C.T. program of tests.

3. Send a copy of high school transcript or G.E.D. test scores and transcripts of all previous college work to the Admissions Office.

4. Complete all application requirements by March 1st of the year of enrollment.

All applications will be reviewed by the Respiratory Therapy Selection Committee following March 1st. Applicants are selected on the basis of previous academic performance, A.C.T. test scores, and health status.

Acceptance by the college does not constitute acceptance into the Respiratory Therapy Program.

All applicants will receive letters from the Director of Respiratory Therapy indicating acceptance or non-acceptance. Those accepted must submit a satisfactory chest x-ray to the Student Health Services prior to registration. Respiratory Therapy student uniforms are required.

Promotion and Graduation

1. Students must maintain a GPA of at least 1.8 during the first semester and a GPA of at least 2.0 in subsequent semesters. A GPA of less than the required shall automatically place a student on probation.

2. Students obtaining a "D" or "F" in their RT must repeat the course and raise their grade to "C" or higher before continuing the Respiratory Therapy curriculum.

3. Students who have completed all course requirements with a GPA of 2.0 or better and no grade lower than "C" in their RT qualify for graduation.

<table>
<thead>
<tr>
<th>RESPIRATORY THERAPY CURRICULUM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR:</strong></td>
</tr>
<tr>
<td>Anatomy and Physiology</td>
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<tr>
<td>Microbiology</td>
</tr>
<tr>
<td>Chemistry</td>
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<tr>
<td>English</td>
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<tr>
<td>Medical Terminology</td>
</tr>
<tr>
<td>General Psychology</td>
</tr>
<tr>
<td>Respiratory Therapy Fundamentals I</td>
</tr>
<tr>
<td>Respiratory Therapy Fundamentals II</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
</tr>
<tr>
<td><strong>Summer Session - 5 weeks</strong></td>
</tr>
<tr>
<td>Respiratory Therapy Fundamentals III</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
</tr>
<tr>
<td><strong>SOPHOMORE YEAR:</strong></td>
</tr>
<tr>
<td>Principles of Pharmacotherapeutics</td>
</tr>
<tr>
<td>Humanities Elective</td>
</tr>
<tr>
<td>Respiratory Therapy Cardiopulmonary Physiology</td>
</tr>
<tr>
<td>Respiratory Therapy Pathology</td>
</tr>
<tr>
<td>Advanced Respiratory Therapy I</td>
</tr>
<tr>
<td>Advanced Respiratory Therapy II</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
</tr>
<tr>
<td><strong>Medical Records Technology</strong></td>
</tr>
<tr>
<td>E. C. Rockne, B.A., R.R.A., Director</td>
</tr>
<tr>
<td>J. A. Coltrin, B.S., R.R.A., Supervisor of Directed Practice</td>
</tr>
<tr>
<td>C. C. Morgan, M.D., Medical Director and Adjunctive Associate Professor</td>
</tr>
</tbody>
</table>

Medical record technicians work in the medical record departments of hospitals, clinics, nursing homes, research centers, or other health agencies where health records are prepared, analyzed and preserved. As a vital member of the health care team, frequently unseen by the patient or his family, the medical record technician works closely with other health professionals to gather and make available the information needed to provide the best patient care. Because of the increase in numbers and types of health agencies, there is a corresponding increase in the demand for qualified medical record technicians.

Graduates of the program are eligible to write the national accreditation examination, and upon passing this test, are recognized as Accredited Record Technicians. If desired, those who complete the program may utilize the credits for future matriculation into a four year program for Medical Record Administrators.

The program, which offers an Associate of Science degree, is approved by the American Medical Record Association and the Council on Medical Education of the American Medical Association.
The Medical Secretary must be able to do everything that is expected of any good secretary and, in addition, will have special responsibilities inasmuch as the secretary is usually the initial and main contact through which the patient deals with his physician. The Medical Secretary must be sensitive to the special needs of sick people. She must also recognize the very special relationship that exists between patient and physician and maintain a high and consistent level of ethical conduct and confidentiality. In the physician’s office the Medical Secretary often acts as business manager, sending out bills, keeping the books and ordering supplies. In both physician’s office and hospital setting the Medical Secretary may be required to take technical medical dictation and transcribe from notes or mechanical dictating equipment.

### CURRICULUM

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Terminology</td>
<td>3</td>
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<tr>
<td>Medical Record Science</td>
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<tr>
<td>Concepts of Biology</td>
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<td>5</td>
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<tr>
<td>Human Physiology and Anatomy</td>
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<td>Intermediate Typing</td>
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<tr>
<td>English Composition</td>
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<tr>
<td>Fundamentals of Speech-Communication</td>
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</tbody>
</table>

**Summer Session:** Medical Record Science - Directed Practice, 4 credits.

**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Medical Record Science</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Health Institute Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>History (HY 101 or HY 151)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Medical Legal Concepts</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Business Math/Machines</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Psychology or Introduction to</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective (if needed)</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

The student is required to purchase his own uniform in addition to the usual expenditure for books and tuition. The student receives Blue Cross benefits from the Hospitals. The programs are approved under the G.I. Bill.

Students spend approximately 3500 hours in clinical practice working with patients under the supervision of a Registered Technologist or Radiologist in a hospital environment. This may include experience in pediatric radiography, fluoroscopy, film critique, emergency call, as well as other specialty areas. The last two months of training are devoted to clinical work and review for the certifying examination. Upon successful completion of a prescribed curriculum (example below) the student receives a certificate from the Hospital in which he is enrolled.

**RADIOLOGIC TECHNOLOGY**

R. A. Luke, Ph.D., Academic Advisor, Assoc. Prof. of Physics
D. W. Bennett, M.D., Medical Director and Adjunctive Assoc. Prof.
V. DeMond, R.T., Education Coordinator, St. Luke’s Hospital Program
D. Cook, R.T., Education Coordinator, St. Alphonsus Hospital Program

The School of Health Sciences in conjunction with St. Luke’s Hospital offers academic courses to support the hospital program. The program is 26 months in duration. Both the college and the hospital offer classes in theory, while the hospital provides the clinical experience for the laboratory practice.

Admission to the program is based on high school and college transcripts and letters by recommendation (three). An aptitude test (5-80 administered by the Employment Security Agency) is also required. The applicant should contact the Education Coordinator of the Department of Radiology at St. Luke’s Hospital to arrange for a personal interview.
Sample Curriculum

RADIOLOGIC TECHNOLOGY

FIRST YEAR - FIRST SEMESTER

Anatomy and Physiology ........................................... 5
Eng. Comp. 101 .................................................. 3
Medical Terminology ............................................. 3 11

Orientation and Elementary Radiation and Protection and Professional Ethics .......... 10
Darkroom Chemistry and Techniques ................................ 10
Principles of Radiographic Exposure I ................................ 24
Radiographic Positioning-Basic .................................. 20
Nursing Procedures Pertinent to Radiology ....................... 8

Theory Clock Hours

5 11

11 72

FIRST YEAR - SECOND SEMESTER

Eng. Comp. 102 .................................................. 3
First Aid ................................................................... 3
Fundamental Concepts of Mathematics ............................. 4
Psychology 101 ...................................................... 3 13

Principles of Radiographic Exposure II ............................. 30
Radiographic Positioning-Intermediate ................................ 15
Common Radiographic Procedures using Contrast Media .... 8
The Technologist in Surgery .......................................... 6
Film Critique I ....................................................... 20
Radiographic and Topographic Anatomy I ......................... 20

Theory Clock Hours

30 15

99

SUMMER SESSION - FIRST YEAR

Eight week Session

Radiological Physics 103 ............................................... 4

SECOND YEAR - FIRST SEMESTER

Film Critique II ...................................................... 20
Medical Office Procedures .......................................... 4
Radiographic Positioning-Advanced ................................ 22
Special Radiographic Procedures I ................................. 20
Equipment Maintenance ............................................. 2
Advanced Protection .................................................. 8
Radiographic and Topographic Anatomy II ....................... 20
Intra-Oral Radiography ................................................ 2

Theory Clock Hours

20 4

98

SECOND YEAR - SECOND SEMESTER

Film Critique III ..................................................... 20
Special Radiographic Procedures II ................................. 20
Radiographic Positioning-Review .................................. 22
Radiological Safety Monitoring ..................................... 15
Radiation Therapy .................................................... 10
Medical Use of Radioisotopes ....................................... 2
Vascular Radiography ................................................ 20
A survey of Medical and Surgical Diseases ....................... 4
Departmental Administration ........................................ 2

Theory Clock Hours

20 22 15 10 2

115

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH

INTRODUCTION

Studies in this department will consider general aspects of human health which are determined or are contingent on personal, social and environmental action or interaction. The assessment of personal health status, the relationships between personal and community health, the ecological perspective of personal health, the concept of community health, the providers of health care and the existing and potential health care delivery systems, are all important elements for consideration.

The Community and Environmental Health Scientist is needed to satisfy the demand for trained personnel in such areas as public health, environmental pollution control, food inspection, and in teaching and administration. These experts may find employment in federal, state and local agencies. There is also an increasing demand in private industry and in teaching institutions for individuals with this training.

Professors: D.J. Obee, Ph.D.

Special Lecturers: R.H. DesAulniers, C.E. Despain

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR

Bachelor of Science

A. General Requirements (8 credits)

   English Composition ........................................... 6
   Physical Education Activities .................................. 2

B. Area I Requirements (12 credits)

   Electives ......................................................... 12

C. Area II Requirements (12 credits)

   Psychology ....................................................... 3
   Sociology ........................................................... 3
   Electives .......................................................... 6

D. Science Requirements (69 credits)

   General Chemistry ............................................. 10
   Elementary Organic Chemistry ................................ 6
   Math 115-116 ....................................................... 10
   General Physics .................................................. 8
   Advanced General Biology ..................................... 10
   General Bacteriology ............................................ 5
   Entomology ........................................................ 4
   Pathogenic Bacteriology ....................................... 4
   Food Microbiology .............................................. 4
   Biocology .......................................................... 4
   Mammalian Physiology ......................................... 4

E. Public Health Requirements (19 credits)

   Environmental Sanitation ...................................... 6
   Public Health Field Training ................................... 8
   Public Health Administration .................................. 2
   Man and His Environment ...................................... 3

F. Electives (15 credits)

   Suggested Electives
   Principles of Data Processing
   Principles of Economics
   Speech
   State and Local Government
   Federal Government
   General Parasitology
Course Offerings

H Health Sciences

101 Medical Terminology — 3 credits
An introduction to Greek and Latin prefixes, roots, and suffixes used in medical terminology, as well as in the study of anatomical, physiological, and pathological terms according to systems of the body. Both semesters. Recommended as a beginning course for those with little or no biology background.

210 Principles of Pharmacotherapeutics (Pharmacology) — 3 credits
A course of study designed to consider the special responsibilities of health care professionals in the general considerations of importance in the use of chemicals as therapeutic or diagnostic agents. Prerequisites: C101-102 or C111-112; B107 or B401; or permission of instructor. Fall semester.

293-493 Pre-Professional Internship — 2 credits
The student spends three hours a week in a clinical setting under the direction of a preceptor who is a practicing professional. The student is required to keep a record of his experiences and report them during a weekly lecture-recitation seminar. Prerequisite: Senior standing, GPA above 3.0, recommendation of faculty advisor, consent of the dean.

EH ENVIRONMENTAL HEALTH

301-302 Environmental Sanitation — 3 credits
First semester — A critical review of federal, state, and city ordinances affecting food processing and handling. Second semester — Areas of special community sanitation problems such as waste disposal, insect and rodent control, industrial hygiene, and radiological sanitation, etc. Each semester.

350 Public Health Field Training — 8 credits
Study of actual public health problems, code, compliance, recording procedures, degrading procedure, etc. Prerequisite: Environmental Sanitation. Summer.

401 Public Health Administration — 2 credits
Organization, administration and functions of the various health agencies. Prerequisite: Environmental Sanitation. First semester.

MR—MEDICAL RECORD TECHNICIAN

104 Medical Legal Concepts — 2 credits
A study of the principles of law and ethics as applied to medical record practice. Second semester.

110-111 Medical Record Science — 4 credits
Orientation to Medical Record profession, including its history and progress. Students will learn how to analyze a medical record, check it for completion, code and index according to disease and operation. Planned laboratory experiences will provide practice in these procedures as well as in statistics, filing systems and medical transcription. First year.

160 Medical Record Science Directed Practice — 4 credits
Each student spends 150 hours in a Medical Record Department doing the daily procedures, under the immediate supervision of the hospital personnel. This experience provides the opportunity to put into practice the theories learned during the first year of Medical Record Science. Prerequisite: MR-110-111.
210-211 Advanced Medical Record Science — 5 credits
More detailed coding and indexing of medical records, outpatient department records, Medicare, cancer registry, and methods of record keeping in nursing homes or extended care facilities. Provides 12 hours per week of directed practice. Prerequisite: MR 110, 111. 160. Second year.

221 Health Institute Management — 3 credits
Introduction to the organizational, management, administrative, social and economic aspects of major health institutions. Particular emphasis is placed on hospital accreditation standards and interdepartmental relationships. Prerequisite: MR 110, 111. Second semester.

RN REGISTERED NURSING

120, 121 Basic Health Needs — 6 credits per semester
Presents basic human needs: mental and physical health as applied to people of all ages in the community and the hospital and to the family during the reproductive cycle and crisis situations, including characteristic developmental tasks of all age groups. The student has the opportunity to develop beginning nursing skills in providing nursing care in nursing homes and hospitals in the medical-surgical and maternal-child care areas. 3 lectures and 3 laboratory periods per week. Prerequisite: Admission to the Department of Nursing.

220, 221 Deviations from Basic Health — 8 credits per semester
Deviations from Basic Health are presented in relation to basic concepts of human needs. The concepts of mental health, oxygen activity, nutrition, elimination, safety and comfort will be emphasized in relation to need deprivation. The clinical application will provide the student with the opportunity to apply and learn nursing skills to people of all age groups. 4 lectures and 4 laboratory periods per week. Prerequisite: Core courses of the first year nursing curriculum.

223, 224 Nursing Seminar — 1 credit per semester
Discussions of factors relating to the role of the graduate as a registered nurse: Philosophy of health care and interpersonal relationships among health care workers. (One seminar per week). Prerequisite: Core courses of the first year nursing curriculum.

RT RESPIRATORY THERAPY

101 Respiratory Therapy Fundamentals I — 3 credits
The course is designed to provide a foundation in scientific principles and mathematical concepts as applied to respiratory therapy. Prerequisite: admission to the program.

102 Respiratory Therapy Fundamentals II — 3 credits
The course provides an introduction to respiratory therapy concepts and techniques in gas, aerosol and humidity therapy. The student will practice beginning respiratory therapy techniques on equipment in a laboratory setting. Two lectures and one lab period. Prerequisite: RT 101.

103 Respiratory Therapy Fundamentals III — 3 credits
The course provides theory and clinical practice in gas, aerosol and humidity therapy techniques in a hospital setting. Drug therapy related to these techniques is presented. Instruction on care and maintenance of equipment used in clinical practice is provided. One lecture, 2 lab periods. Prerequisite: RT 102.

201 Respiratory Therapy Cardiopulmonary Physiology — 3 credits
The course provides a background in normal physiological functions of the pulmonary and circulatory systems. Prerequisite: Core course of first year Respiratory Therapy program. Two lectures, 1 laboratory period.

205 Advanced Respiratory Therapy I — 9 credits
The course provides advanced study and clinical practice in concepts of airway management, cardiopulmonary resuscitation, emergency procedures and long term ventilation in a hospital setting. Instruction in the care and maintenance of equipment used in clinical practice will be provided. Three lectures, 6 laboratory periods per week. Prerequisite: RT 103.

206 Advanced Respiratory Therapy II — 9 credits
The course provides advanced study and clinical practice in gas analysis, spirometry, pulmonary function, in hospital setting. Respiratory Therapy department organization and administration is provided. Three lectures, 6 laboratory periods per week. Prerequisite: RT 205 and RT 201.

211 Respiratory Therapy Pathology — 3 credits
The course provides background in pathology related to the pulmonary and circulatory systems. Prerequisite: RT 201.

MT MEDICAL TECHNOLOGY

491-2 Clinical Class and Practice — 32 credits
Course requires 12 consecutive months of instruction in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Student spends approximately 40 hours per week in a laboratory practicum. Six to eight hours a week are set aside for reading assignments, lectures and examinations. Prerequisite: Acceptance by a hospital school accredited by the NAACLS.