The School believes that the purpose of men’s lives is to know, to search, and to achieve, and that knowledge is necessary for the good life of free men. The School, therefore, 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.

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, Construction Management (with the School of Business), Earth Science, Geology, Mathematics, Physics. Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition), and Master of Arts in Secondary Education with majors in various departments. (See School of Education).

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

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

ACTIVITIES

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 Prize-winning magazine designed to display the best efforts of both the faculty and student body of Boise State University.

WESTERN WRITERS SERIES

The Boise State University 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.

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 University’s unique Subel theatre and Special Events Center; 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 “American Historical Tours” presented by the college each year, as well as science fairs, environmental workshops, etc.

DEPARTMENT OF ART

Chairman and Professor: Dr. Louis A. Peck; Professor: Takehara; Associate Professors: Heap, Huff, Kilmaster, Kober, Oravez, Roberts, Russell, Skov, Wright; Assistant Professors: Benson, Blankenship, Culley, Douglass, Ochi, Proctor, Taye, Watia; Instructors: Copeland, Taylor.

ART MAJOR
Lower Division—All Degrees

(Suggested Program)

I. General Art

FRESHMAN YEAR: SEM. 1ST 2ND SEM.
Basic Design ............................................... 2 2
Elementary Drawing ....................................... 2 2
Elementary Painting ...................................... 2 2
Art History .................................................. 3 3
Lettering ...................................................... 2 0
"Lettering and Layout" ................................. 0 2
English Composition ..................................... 3 3
History (Area II) .......................................... 3 3
Elective ......................................................... 3 3

15-17 15-17

SOPHOMORE YEAR: SEM. 1ST 2ND SEM.
Intermediate Drawing ...................................... 2 2
Intermediate Painting ..................................... 2 2
Introduction to Music or Drama (Area I) .......... 2 2
Social Science (Area II) .................................. 3 0
Lab Science or Mathematics (Area III) .......... 4 4
Electives ....................................................... 5 5

16 16

II. Art Education
Freshman year (See General Art Freshman Year)

SOPHOMORE YEAR: SEM. 1ST 2ND SEM.
Intermediate Drawing ...................................... 2 0
Intermediate Painting ..................................... 2 0
Foundations of Education ............................... 2 3
General Psychology (Area II) .......................... 0 3
Introduction to Music or Drama (Area I) ........ 0 3
Lab Science or Mathematics (Area III) .......... 4 4
Electives ....................................................... 5 5

16 16

III. Advertising Design
Freshman year (see General Art Freshman Year)

SOPHOMORE YEAR: SEM. 1ST 2ND SEM.
Intermediate Drawing ...................................... 2 0
Intermediate Painting ..................................... 2 0
Advertising Design ....................................... 2 2
Introduction to Music or Drama (Area I) ........ 3 0
Social Science (Area II) .................................. 0 3
Lab Science or Mathematics (Area III) .......... 4 4
Electives ....................................................... 3 5

16 16

I. General Art—Bachelor of Arts Program

1. General University and Basic Core Requirements: 51
2. Art Major Requirements
   a) Major Emphasis
      b) Major Emphasis
      A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.
   3. Electives .................................................. 41

II. Art Education—Bachelor of Arts Program

1. General University and Basic Core Requirements: 51
2. Art Major Requirements
   a) Art Major Requirements
      1) General University and Basic Core Requirements: 51
      2) Art Major Requirements
         a) Major Emphasis
            1) Major Emphasis
               A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.
            2) Electives .................................................. 41
   3. Education Requirements for Qualification Toward State Certification
      1) Art/Advertising Design—Bachelor of Arts Program Credits: 51

II. Art Education—Bachelor of Arts Program

1. General University and Basic Core Requirements: 51
2. Art Major Requirements
   a) Art Major Requirements
      1) General University and Basic Core Requirements: 51
      2) Art Major Requirements
         a) Major Emphasis
            1) Major Emphasis
               A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.
            2) Electives .................................................. 41
   3. Education Requirements for Qualification Toward State Certification
      1) Art/Advertising Design—Bachelor of Arts Program Credits: 51

II. Art Education—Bachelor of Arts Program

1. General University and Basic Core Requirements: 51
2. Art Major Requirements
   a) Art Major Requirements
      1) General University and Basic Core Requirements: 51
      2) Art Major Requirements
         a) Major Emphasis
            1) Major Emphasis
               A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.
            2) Electives .................................................. 41
   3. Education Requirements for Qualification Toward State Certification
      1) Art/Advertising Design—Bachelor of Arts Program Credits: 51
## Art/Advertising Design—Bachelor of Fine Arts Degree

### Advertising Design
- Watercolor and/or Painting 8
- Drawing 6
- Advertising Illustration 6
- Design 4
- Lettering/Lettering and Layout 4
- Art History 6
- Printmaking 2
- Creative Photography 2
- Senior Seminar 3

### Electives
- 29-27

### Senior Seminar
- 6

### Option I
- Painting 8
- Drawing 8
- Art History 12
- Watercolor 4
- Design 4
- Printmaking 2
- Sculpture 2
- Ceramics 2
- Crafts 2
- Senior Seminar 3
- Electives 16

### Senior Seminar
- 3

### Electives
- 29-27

### Total Credit Hours
- 128*

### School of Arts and Sciences

### Master of Arts in Secondary Education*  
#### Art Emphasis

### Admissions and Program

A. The Master’s Degree in Secondary Education. Art Education Emphasis will be designed to meet the needs of the practicing junior high or high school art specialist. While teaching experience is not necessary in order to begin work on this degree, any applicant for the degree must ordinarily be currently certified as a secondary school art specialist, agree to begin the process toward attaining this certification while working on the degree, or obtain a waiver through the Dept. of Education.

B. The following will be submitted to the Art Department Admissions Committee:

1. The names and addresses of three art educators or professional persons who are acquainted with the student’s academic qualifications to pursue graduate study.
2. A minimum of twenty (20) slides or a portfolio of recent art work.
3. A statement of the student’s professional objectives and philosophy of art education and how these will be furthered by graduate study.

C. Program areas of study are as follows:

#### Required Courses
- AR-501 Art Appreciation in the Educational Program 3 credits
- AR-551 Special Methods: Curriculum Development in Art Education 3 credits
- AR-591 Project 6 credits
- AR-593 Thesis (or additional hours) 6 credits
- TE-560 Secondary Education Core courses 6 credits

#### Studio or Content
- Six (6) credits in the studio. Studio concentration and emphasis will be determined by the student and his committee. Part of the program included in the art section could be that of a focus/emphasis.

#### Example:
- Option I—Painting and Drawing
- Option II—Crafts and Sculpture

#### Electives
- The remainder of the student’s work may be elected in relation to his background, interests, and professional objectives in consultation with his major advisor and committee.

### Pre-Architectural Program

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

### Art Courses
- AR 103 Introduction to Art 3 credits
- AR 105-106 Basic Design 4 credits
- AR 111-112 Drawing 4 credits
**SCHOOL OF ARTS AND SCIENCES**

**AR 297** Spec. Topics: History of American Architecture & Interior Design (6 credits)

**AR 297** Spec. Topics: Design & The Creative Process (2 credits)

**AR 131** Interior Decorating (2 credits)

**AR 297** Spec. Topics: Architectural Graphics (3 credits)

**AR 297** Spec. Topics: Basic Architectural Design (2 credits)

**AR 297** Spec. Topics: Materials and Methods (3 credits)

**AR 217** Watercolor (2 credits)

- **Engineering Courses**
  - EN 101 EN 104 Technical Drawing 2 credits
  - EN 104 EN 101 Digital Computer Programming 2 credits

- **Math Courses**
  - M-111 Algebra & Trigonometry
  - M-112 Calculus and Analytical Geometry

- **Physics Courses**
  - PH 101-102 General Physics

- **Physical Education Requirements**

**Lower Division**

100 Basic Drawing and Painting for Non-Art Majors (2 credits). A one semester course with emphasis on 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.

101 Survey of Western Art I (3 credits). A historical survey of painting, sculpture, and architecture from Prehistoric art through the Middle Ages. Fall semester.

102 Survey of Western Art II (3 credits). A historical survey of painting, sculpture and architecture from the Renaissance to the present. Spring semester.

103 Introduction to Art (3 credits). A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms. Either semester.

105 Basic Design (2 credits). A two or three dimensional theoretical and applied study of the basic design elements underlying all art forms. Four studio hours per week. Either semester.

106 Basic Design (2 credits). A continued exploration of either two or three dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying two- or three-dimensional art forms. Four studio hours per week. Advisable to take AR 105 prior to AR 106. Either semester.

107 Lettering (2 credits). A study of lettering techniques and various alphabets/numbers. Emphasis on modern styles, spacing and layout. Four studio hours per week. Either semester.

108 Lettering and Layout (2 credits). A study of layout, typography, lettering techniques used in advertising design, for advertising design majors. Four studio hours per week. Advisable to take AR 107 prior to AR 108. Either semester.

111 Drawing (2 credits). A study of line, chiaroscuro, space, volume, and perspective. Utilizing a variety of media, still life, landscape, plant, animal and other subject matter may be used. Four studio hours per week. Limited enrollment spring semester. Either semester.

112 Drawing (2 credits). Continuation of AR 111 with an emphasis on more advanced drawing problems. Compositional, imaginative, or semi-abstract work may be done. Utilizing a variety of subject matter including some figure drawing. Four studio hours per week. Prerequisite: AR 111. Either semester.

113 Painting (2 credits). Emphasis on the techniques of oil, opaque and transparent water base media. Four studio hours per week. Fall semester.

114 Painting (2 credits). 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.

115 Landscape Painting—(3 credits). 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.

116 Landscape Painting (3 credits). (Description same as 115 above). Second summer session.

123 Crafts (2 credits). The course is open to non-art majors. Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, stained glass, ceramics, sculpture, construction, book binding, tie die, creative stitchery, enameling, macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. Four studio hours per week. Either semester.

131 Interior Decorating (2 credits). An 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.

203 Advertising Design (2 credits). 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.

204 Advertising Design (2 credits). Advanced work 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.

209 Introduction to Printmaking (2 credits). A course designed to acquaint the student with methods of reproducing creative work in woodcut, lithography, and etching. Advisable to have some experience in drawing and design. Four studio hours per week. Either semester.

211 Anatomy (2 credits). A structural and aesthetic approach to drawing the nude, emphasizing bone, muscle, and surface anatomy of the figure. Four studio hours per week. Either semester. Prerequisites: AR 111 and AR 112. Either semester.

212 Life Drawing (2 credits). Further study from the model with increased emphasis on anatomy, expressive drawing, and composition. Four studio hours per week. Either semester. Prerequisite: AR 211. Either semester.

215 Painting (2 credits). Painting in oil with emphasis on various techniques and subject matter. Four studio hours per week. Advisable to take AR 113 and AR 114 prior to AR 215. Fall semester.

216 Painting-Watercolor (2 credits). Major emphasis on the use of water transparent color. Work can be outdoors from nature as well as studio work. Four studio hours per week. Fall semester.

217 Painting-Watercolor (2 credits). Introduction to experimental techniques in the use of opaque waterbase 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.

218 Figure Painting (2 credits). Painting from models with an emphasis on a representational approach. Study of form, color, and composition as they relate to the human figure. Four studio hours per week. Advisable to take AR 114 and AR 115 prior to AR 218. May be repeated once for credit. Either semester.

221 Art Metals (2 credits). A creative exploration in design and construction problems. Various materials will be utilized with primary emphasis on jewelry design and metals. Craftsman- ship, and the care and usage of tools will be stressed. Four studio hours per week. Advisable to take AR 105-106 prior to AR 221. Fall semester.

222 Art Metals (2 credits). 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 105-106 and 221 prior to AR 222. Spring semester.

225 Ceramics (2 credits). An introduction to ceramics technique and materials. Molding, hand building, decoration, glazing, and firing will be given. Enrollment is limited. Four studio hours per week. Prerequisites: AR 105 and AR 106. Fall semester.

226 Ceramics (2 credits). Beginning the use of the potter's wheel, molding, casting and constructing. Four studio hours per week. Advisable to take AR 105 and AR 106 prior to AR 231. Fall semester.

232 Sculpture (2 credits). Study of the techniques of carving, modeling, and casting. Four studio hours per week. Advisable to take AR 105 and AR 106 prior to AR 231. Fall semester.

233 Sculpture (2 credits). Continued work in a variety of three dimensional materials, with emphasis on the techniques of carving, modeling, and casting. Four studio hours per week. Advisable to take AR 231 prior to AR 232. Spring semester.

235 Introduction to Creative Photography (2 credits). An aesthetic approach to the basic photographic skills of camera operation, film development, and enlargement 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**

301 Nineteenth Century Art History (3 credits). A study of important artists and movements from neoclassicism through Post-Impressionism. Fall semester.

302 History of Twentieth Century Art (3 credits). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism. Spring semester.

303 Spec. Topics in Advertising Design (3 credits). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. Six studio hours per week. Advisable to take AR 203 and AR 204 prior to AR 303. May be repeated once for credit. Either semester.

305 Studio in Visual Design (3 credits). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture and space. Six studio hours per week. Advisable to take AR 105 and AR 106 prior to AR 305. May be repeated for credit. Either semester.

307 Studio in Metalsmithing (2 credits). Advanced study - in materials of jewelysmithing and metalsmithing with special emphasis on forging, smithing, cutting, and mechanical techniques as further personal development of craftsmanship. Prerequisite: AR 221, 222 and AR 231 prior to AR 307. Spring semester.

309 Studio in Printmaking (3 credits). Advanced printmaking in any one of the following specialized areas, each of which may be repeated once for credit: intaglio, lithography, serigraphy, and relief printing.

311 Advanced Drawing (3 credits). Structural, interpretive, or compositional study from the model or other subject matter. Six studio hours per week. Model fee. Prerequisite: AR 212. May be repeated once for credit. Either semester.

315 Studio in Painting (3 credits). Creative work in representation 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. May be repeated once for credit. Either semester.

317 Painting-Watercolor (2 credits). Advanced work in opaque and transparent media with an 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 (2 credits). Advanced work in opaque and transparent media with an emphasis on experimental techniques. Six studio hours per week. Advisable to take AR 317 prior to AR 318. Spring semester.

319 Figure Painting (3 credits). Painting from models in realistic or semiabstract styles, based on individual interests. Six studio hours per week. Prerequisite: AR 219 and upper-division status, or permission of instructor. May be repeated for credit. Either semester.

**Course Offerings**

**AR ART**

The Art Department reserves the right to withdraw selected student work for the Permanent Collections.
I methods and materials conducive to free and spontaneous expression are stressed. Two lecture and two studio hours per week. Either semester.

325 Studio in Ceramics (3 credits). Advanced study in the materials of ceramics, with emphasis on the exploration of slab, tile, 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. May be repeated once for credit. Either semester.

331 Studio in Sculpture (3 credits). Advanced study in the materials and techniques 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. May be repeated once for credit. Either semester.

341 Studio in 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 AR 341. May be repeated for credit. Either semester.

AR 344 Studio in Creative Photography, Color Printing (3 credits). Advanced study of photographic techniques, emphasis on individual instruction will be given. Two hour lecture and four studio hours per week. Adjustable camera required. Prerequisite: AR 251 or permission of instructor. May be repeated for credit. Either semester.

345 Studio in Creative Photography, Color Slides (3 credits). Advanced study emphasizing techniques of color slides. Color theory and composition will be covered in the course as well as the processing of slides and various methods of projections. Various approaches to lighting and laboratory work will be taught. Two hours lecture and four studio hours per week. Adjustable camera required. May be repeated for credit. Prerequisite: AR 251 or permission of instructor. Either semester.

AR 351 Secondary School Art Methods (3 credits). Art Education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum planning. Two hours lecture and two hours lab per week. Either semester.

361 Studio in Advertising Illustration (3 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. Six studio hours per week. Advisable to take AR-203 and AR-204 prior to AR 361. Either semester. May be repeated for credit.

371 History of Twentieth Century American Art (3 credits). Beginning with a short survey of American art from the Ashcan School through the Thirties, there will be a concentration on Abstract Expressionism, Pop, Op, and other styles. Class presentations will be expected of students; critical writings will be assigned. (It is advisable to take AR 302 first, although this is not a prerequisite.) Fall Semester.

409 Studio in Printmaking (3 credits). Concentrated work in any one of the following areas: woodcut, lithography, intaglio, and serigraphy. Six studio hours per week. May be repeated for credit. Either semester.

411 Drawing Studio (3 credits). Individual problems in drawing. Six studio hours per week. Model fees. Prerequisite: AR 311. May be repeated for credit. Either semester.

415 Studio in 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. May be repeated for credit. Either semester.

417 Studio in 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. May be repeated for credit. Either semester.

419 Studio in 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: AR 221. 222, 357. May be repeated for credit. Either semester.

425 Studio in Ceramics (3 credits). Advanced study in the materials of ceramics, with emphasis in the exploration of clay, 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. May be repeated for credit. Either semester.

431 Studio in Sculpture (3 credits). Continued 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 two semesters of AR 331 prior to AR 431. May be repeated for credit.

498 Senior Seminar (3 credits). Required reading, and written and oral reports, relative to the senior art majors' area of interest within the visual arts. Either semester.

GRADUATE

501 Art Appreciation in the Educational Program (3 credits). A historical and contemporary survey of modern art movements since 1900. Emphasis will be placed on understanding the motivations behind the current trends and interpretations of the ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. Prerequisite: Graduate status or permission of instructor.

521 Teaching through Experimental Art Media (3 credits) (previously approved for Elementary Master's Degree). Variation 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, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

522 Teaching Through Experimental Art Media (3 credits) (every other year, summer school only). Variation 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.

551 Special Methods: Curriculum Development in Art Education (3 credits). Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop/seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. Prerequisite: Graduate status and consent of the instructor.

580-599 Series Selected Topics (3 credits each topic). An opportunity for the student to work independently with a particular teacher in a specific area of study or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

580 Selected Topics—Drawing

581 Selected Topics—Painting

582 Selected Topics—Crafts

583 Selected Topics—Sculpture

584 Selected Topics—Photography

585 Selected Topics—Ceramics

586 Selected Topics—Printmaking

587 Selected Topics—Designing

588 Selected Topics—Illustration

589 Selected Topics—Art History

591 Project (6 credits). See below.

593 Thesis (6 credits). The thesis, or culminating project, may be defined, but is not limited to a combination of any two of the following projects:

A. A scholarly paper embodying results of original research which are used to substantiate a specific view.

B. Three written reports directed toward the student's particular area of study.

C. A curricular proposal in written form which could be considered for implementation in the schools.

D. A one-person art show with a full faculty review.

E. A submitted portfolio of work with a full faculty review.

Prerequisite: Graduate status.

598 Seminar in Art (3 credits) (previously approved for Elementary Master's Degree). 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.
REQUIREMENTS FOR BIOLOGY MAJOR

1. Bachelor of Science Option
   1. General University and Baccalaureate Degree
      Requirements see pages 23-26 ..................................30
   2. Major Requirements
      A. Biology .................................................45
         1. Biology Core .......................................12
            General Botany ............................4
            General Zoology ............................4
            Cell Biology ................................3
            Seminar .........................................1
         2. Physiology — one course ..................4
            Plant Physiology ..............................4
            Human Physiology ...........................4
            General & Comparative Physiology .............4
         3. Morphology — one course ..............3-4
            Plant Anatomy ................................3
            Plant Morphology ............................4
            Comparative Anatomy ........................4
            Vertebrate Embryology ........................4
            Vertebrate Histology ..........................4
         4. Natural History — one course ........3-4
            Parasitology ....................................3
            Entomology .....................................4
            Invertebrate Zoology ............................4
            Natural History of Vertebrates ..............4
         5. Biology — Microorganisms —
            one course ..................................3-5
            Microbiology ....................................4
            Bacteriology ....................................5
            Genetics ........................................3 or 4
            Organic Evolution ................................3
            BioEcology .......................................3 or 4
         6. Biology Electives to total 45 credits ....16-19*
            B. Chemistry .....................................15
               1. College Chemistry (C-131, 132-
                  133, 134) ........................................9
               2. Elementary Organic Chemistry ........6
            C. Mathematics ...................................10
               1. Mathematics 115-116 ..........................10
         3. Recommended Electives ....................28
            1. Introduction to Biophysics
            2. Earth Science
            3. Chemistry
            4. Area I & II Electives
   II. Secondary Education Option
      1. General University and Baccalaureate Degree
         Requirements see pages 23-26 ......................30
      2. Major Requirements
         A. Biology ...........................................41
            The same for Biology Major except that Biology
            elective credits will range from 12 to 15*
         B. Chemistry .......................................15
            The same as for a Biology Major
         C. Mathematics 115-116 ............................10
         3. Recommended Electives ........................12
            The same as for a Biology Major
         4. Education Requirements ......................20

1. Foundations of Education
2. Educational Psychology
3. Secondary School Methods
4. Secondary Student Teaching
5. 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 VII of the catalog for full information.

Medical Technology
Pre-Dental Hygiene
Pre-Veterinary Medicine

BIOLOGY MAJOR
Bachelor of Science
(Suggested Program)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
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<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry</td>
<td>4</td>
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<tr>
<td>Mathematics</td>
<td>5</td>
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<td></td>
<td>16</td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Biology</td>
<td>3</td>
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<tr>
<td>Elementary Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Biology Elective</td>
<td>—</td>
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<tr>
<td>Area I Electives</td>
<td>6</td>
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<tr>
<td>Area II Electives</td>
<td>3</td>
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BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science
(Suggested Program)

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* A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.
SCHOOL OF ARTS AND SCIENCES

SOPHOMORE YEAR:

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| Forestry and Wildlife

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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. Students who have received credit for B-101, BT-130 or Z-130 may not receive credit for B-100. Three lectures and one 2-hour laboratory period per week. Each semester.

200 Man and the Environment (3 credits). A course designed to reveal the impact of man on the environment with emphasis on the biological, economical, 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.

205 Microbiology (4 credits). A survey of microbiology with emphasis on microbial diversity, structure, and metabolism; principles of microbial control, host-parasite relationships, and immunology, and a survey of medically important microorganisms. The course is designed for students who have received credit for B-101 or B-130. Three lectures and one 2-hour laboratory period per week. Each semester.

302 Plant Anatomy (3 credits). This course is designed to acquaint the student with the internal structure of plant tissues, system and organs from a developmental standpoint. This study will be limited to the higher plants with emphasis on the Angiosperms. Two lectures and two 2-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 three 2-hour laboratory periods per week. Prerequisite: one year of college biology or equivalent. Genetics recommended. Alternates with Parasitology. Fall semester.

310 Pathogenic Bacteriology (4 credits). A course emphasizing the host-parasite relationship, immunology, and the characteristics of medically important bacteria, rickettsiae, and chlamydiae. Laboratory studies are directed towards the identification and biochemical characterization of clinically important 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: BT-130 or Z-130 or equivalent. Spring semester.

344 Genetics Laboratory (1 credit). A practical course in the techniques of growing and analyzing genetic 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 reported. Prerequisite: concurrent or prior enrollment in Genetics Lecture. Spring semester.


410 Food Microbiology (2 credits). A lecture course designed for environmental health and home economics majors to introduce those microorganisms associated with foods, food processing and preservation; food spoilage; and food-borne infection and intoxication. Two lectures per week. Prerequisite: Microbiology or General Bacteriology. Fall semester.

411 Food Microbiology Laboratory (2 credits). A laboratory course taken by environmental health majors in conjunction with B-410. The course is designed to introduce those techniques necessary for the enumeration and identification of microorganisms associated with foods and food-borne illness. Three two-hour laboratory periods per week. Concurrent enrollment in Food Microbiology. Fall semester.

422 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 two-hour laboratory period per week. Offered alternate years with Organic Evolution. Prerequisite: B-225 or consent of Instructor. Spring semester. Odd numbered years.

433 Bioecology (2 credits). A survey of the physical factors of the environment and the biological relationships of organisms and their effects on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisites: BT-130 and Z-130 or equivalent. 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, and record keeping. Weekend field trips will be taken. Prerequisite: concurrent or prior enrollment in Bioecology. Fall semester.

430 Upper Division

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

BT BOTANY

Lower Division

130 General Botany (4 credits). An introduction to plant biology which includes the study of cells, genetics, whose plant physiology and functions, ecology and classification, and economic importance. Recent problems relating to world food production or others of botanical interest will be discussed. Three hours of lecture and one three-hour laboratory period per week. Each semester.

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 three-hour laboratory periods per week or equivalent field trips. Prerequisite: BT-130 or consent of instructor. Spring semester.

Upper Division

302 Plant Anatomy (3 credits). This course is designed to acquaint the student with the internal structure of plant tissues, system and organs from a developmental standpoint. This study will be limited to the higher plants with emphasis on the Angiosperms. Two lectures and two 2-hour laboratory labs. Prerequisite: BT-130 and B-225 or consent of instructor. Spring semester.

311 Plant Morphology (4 credits). The student will become familiar with the development, physiology, anatomy, reproduction, and economic importance of the various types of plants and tissues. Phylogeny and paleobotany will be introduced. Three one-hour lectures, two 2-hour laboratory labs per week. Prerequisites: B-225, Organic Chemistry recommended. Fall semester.

312 Systemic Algae (4 credits). A study of the various divisions of freshwater algae, with emphasis on collection, identification and pollution problems related to algae growth. The study will also include discussion of life cycles emphasizing how this knowledge might be used to eradicate noxious types and utilize beneficial types to recycle waste water. The course will consist of 2 lectures and 2 three-hour laboratory periods per week. Two field trips will be taken during these laboratory periods. Prerequisite: BT-130 and Z-130.Fall semester. Alternates with T-237 or Z-381.

401 Plant Physiology (4 credits). Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of anatomy, physiology, growth, development, nutrition, and water relations, the mineral requirements of the plant, its metabolism, water uptake, photosynthesis,
SCHOOL OF ARTS AND SCIENCES

FS FORESTRY

Lower Division

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. One 2-hour lecture per week. Spring semester.

Z ZOOLOGY

Lower Division

107 Concepts of Human Anatomy and Physiology (4 credits). A one-semester terminal course in human anatomy and physiology. Three lectures and one two-hour laboratory per week. Each semester.

111-112 Human Anatomy and Physiology (4 credits). A two-semester sequence for those students whose career objectives require a thorough study of human anatomy and physiology. Three lectures and one three-hour laboratory per week. Prerequisite: B-225 and consent of instructor. Fall semester.

130 General Zoology (4 credits). The fundamentals of animal structure, physiology, development, heredity, evolution, adaptations, and life histories. Three hours of lecture and one three-hour laboratory per week. 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 each week. Prerequisite: 8-225 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 identifying of local species. Two lectures and two 3-hour laboratory periods each week. Prerequisite: B-225 or consent of instructor. Students are required to be on the instructor's schedule during the academic year which proceeds their enrollment in this course. Prerequisite: consent of instructor. Spring 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 3-hour laboratories per week. Prerequisite: B-225 or consent of instructor. Alternates with BT-322 or Z-361. 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 three-hour laboratory period each week. Prerequisite: Natural History of the Vertebrates or consent of instructor. Alternates with Ornithology and is thus offered on odd numbered years. Fall semester.

351 Vertebrate Embryology (4 credits). An analysis of the development of vertebrates with special emphasis on the experimental approach to morphogenesis in lecture and classical descriptive embryology in the laboratory. Two lectures and two 3-hour laboratories each week. Prerequisite: A year of college 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: One year of college biology or consent of instructor. Alternates with BT-322 or BT-355. Spring semester.

400 Human Physiology (4 credits). Lecture and laboratory exercises in physiology with emphasis on human regulatory and homeostatic mechanisms, particularly those of cardiovascular, pulmonary, and endocrine functions in health and disease. Prerequisites: Organic Chemistry and B-225. Three lectures and one 3-hour laboratory per week. Spring semester.

409 General and Comparative Physiology (4 credits). A lecture and laboratory course in animal physiology. General physiological principles, using specific invertebrate and vertebrate groups as examples and physiological adaptations necessary to meet specific environmental challenges are discussed. Laboratory experiments utilizing a number of animal species are conducted. Three hours lecture and one 3-hour lab per week. Prerequisites: B-225 and Organic Chemistry. 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 three-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

Chairman and Professor: Mr. Jack L. Dalton; Professors: Banks, Hibbs, Peterson, Stark; Associate Professors: Carter, Ellis; Assistant Professors; Matjeka, Mercer.

REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option

1. General University and Baccalaureate Degree Requirements. See pages 23-25.

2. Major requirements:

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II. Secondary Education Option:
1. General College and Baccalaureate Degree Requirements.

2. Major Requirements:

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| MASTER OF SCIENCE IN EDUCATION* CHEMISTRY EMPHASIS |

Admissions and Program

A. The degree program is intended to provide the high school chemistry teacher with academic courses that will enable him to perform more effectively in the chemistry classroom. Present secondary chemistry teachers have a varied background, so the program provides considerable flexibility for the individual.

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B. Requirements for admission are the same as those for admission to Graduate School.

Course Offerings

A. Required Courses

1. TE-560 Secondary Education Core—6 credits
2. Thesis, project, or additional hours—3-6 credits
3. Graduate chemistry courses—12 credits

B. Elective courses

Additional courses as planned by the student and his graduate committee.

GO-571 Geochemistry is to be included as an elective in the chemistry emphasis.

Additional Information

A. Students may use six (6) credits of 4000 level courses to partially fulfill the degree requirements providing the graduate committee so approves.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

COURSES

CHEMISTRY

Lower Division

100 Concepts of Chemistry (4 credits). A descriptive non-mathematical course designed to acquaint students with the science of chemistry and its relationships 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 a part of a Chemistry sequence. Students who have completed Chemistry C-109 or C-133 may not receive credit for C-100. Three lectures and one 3-hour laboratory per week. Each semester.

109 Preparation for Chemistry (1 credit). A lecture, recitation, and laboratory course designed for students lacking the necessary background for General Chemistry. Emphasis is placed on basic concepts, definitions, chemical problem solving and laboratory manipulations. To be taken concurrently with or prior to the first semester of either freshman chemistry course. 2 periods per week. Both semesters.

107 Essentials of Chemistry (3 credits). The first semester of a sequence course. A study of basic chemistry concepts in organic and inorganic chemistry. Three lectures per week. Prerequisite: High School chemistry or C-103 or concurrent enrollment in C-103. Concurrent enrollment in C-108 is required. Fall semester.

108 Laboratory for Essentials of Chemistry (1 credit). The laboratory to accompany C-107. Three lab hours per week. Concurrent enrollment in C-107 is required. Spring semester.

109 Essentials of Chemistry (3 credits). A continuation of C-107 to include basic concepts of Biochemistry. Three lectures per week. Prerequisite: C-107 and C-108. Concurrent enrollment in C-110 is required. Spring semester.

110 Laboratory for Essentials of Chemistry (2 credits). The laboratory to accompany C-108. 6 lab hours per week. Prerequisite: C-107 and C-108. Concurrent enrollment in C-109 is required.

131 College Chemistry (3 credits). The first semester of a one-year sequence course. A thorough study of the fundamentals of chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. Three lectures per week. Prerequisite: Math 111, 115 or math ACT of 18 or higher or concurrent enrollment in M-111 or M-115. Concurrent enrollment in C-130 is required. Fall semester.

132 Laboratory for College Chemistry (1 credit). Laboratory work to accompany C-131. 3 lab hours per week. Concurrent enrollment in C-131 is required. Fall semester.

133 College Chemistry (3 credits). A continuation of C-131 to include Equilibrium, Redox, Complex ions. 3 lectures per week. Prerequisite: C-131 and C-132. Spring semester.

134 Laboratory for College Chemistry (2 credits). Laboratory work to accompany C-133. To include Qualitative Analysis, 6 lab hours per week. Prerequisite: C-131 and C-132. Spring semester.

*107-108 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-131-132-133-134. Each semester.

211 Quantitative Analysis (3 credits). Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analyses. Prerequisite: C-131-132-133-134. Fall semester.

212 Quantitative Laboratory Techniques (2 credits). Practical applications of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. Prerequisite: Chemistry C-131 or concurrent enrollment. Fall semester.

Upper Division

317 Organic Chemistry Lecture (3 credits). A basic descriptive overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, elementary mechanisms and stereochemistry. Designed to partially fulfill the requirements of chemistry majors, chemical engineers, professional and pre-professional students. Three lectures per week. Prerequisite: Chemistry C-131-132-133-134. Concurrent credit enrollment in C-319 is required. Fall semester.


319 Organic Chemistry Laboratory (3 credits). This course covers basic laboratory techniques used in Organic Chemistry and selected compound preparations. Two three-hour labs per week. Concurrent credit enrollment in Chemistry C-317 is required. Fall semester.
SCHOOL OF ARTS AND SCIENCES

320 Organic Chemistry Laboratory (2 credits). This course covers spectroscopic methods, spectral interpretation, and qualitative organic analysis. Two three-hour labs per week. Prerequisite: Chemistry C-319. Concurrent credit enrollment in Chemistry C-318 is required.

321-322 Physical Chemistry Lecture (3 credits) The fall semester will cover gases, point symmetry, absorption, molecular structure and quantum theory (briefly) and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibria, electrolytes, and adsorption. Three lectures a week. Prerequisites: Chemistry C-131-132-133-134; General Physics Ph-102 or Physics 221 and Calculus and Analytic Geometry M-206 or equivalent. A year sequence (fall and spring).

323-324 Physical Chemistry Lab (1 credit). Laboratory experiments paralleling the material covered by the lectures. Prerequisite: C-321, 322 or concurrent enrollment. A year’s sequence (fall and spring).

341, 342 Glassblowing (1 credit) Chemistry 341 is designed to acquaint the student with the basic techniques of scientific glassblowing. Practice in end to end joints, T-seals, ring seats, flaring, end round bulbs and knobs. Chemistry 342 is designed to give the student practical experience in the above techniques by the construction of more complicated apparatus such as distillation equipment. One three-hour lab per week. Prerequisite: Junior standing. Each semester.

401-402G Advanced Inorganic Chemistry (3 credits). The first semester will cover atomic and molecular structure periodic properties, and bond properties and the chemistry of the elements. The second semester includes chemical bonding, complex ions, coordination compounds, nonaqueous solutions and nuclear reactions. Two lectures per week. Prerequisite: two years of college chemistry. Each semester.

411G Instrumental Analysis (4 credits). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Two lectures and two three-hour labs per week. Prerequisite: Quantitative Analysis C-211 and C-320 Organic Chemistry. C-320 may be taken concurrently with C-411. Spring semester.

431G Introduction to Biochemistry (3 credits). A study of the chemistry of biologically important compounds, and an introduction to metabolism. Three lectures per week. Prerequisite: C-208 or C-318. Fall semester.

432G Biochemistry Laboratory (1 credit). Identification, isolation, and reaction of biologically important compounds. One three-hour laboratory per week. Prerequisite: C-431 or concurrent enrollment. Fall semester.

433G Biochemistry (3 credits). The function of biological compounds, including intermediaries of the citric acid cycle, nucleotides, and amino acid metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the major studies. Prerequisite: C-431. Spring semester.

498, 499 Chemistry Seminar (1 credit). Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry Major and Senior standing. Each semester.

Graduate

501 History of Chemistry (3 credits). The study of the development of chemistry from its earliest stages through alchemy. Emphasis will be placed on the development of chemical concepts, the important contributors to these concepts and the interrelation of chemistry and the general course of history. Prerequisite: Two years of college chemistry and one year of history or instructor’s permission.

503 Spectroscopy (3 credits). This course is designed to teach the concepts and practical usage of ultraviolet spectroscopy, infrared spectroscopy, and nuclear magnetic resonance spectroscopy. Emphasis will be on the use of instruments and the interpretation of spectra. Prior knowledge of spectroscopy will not be necessary for this course. Prerequisite: Eight hours of general chemistry required and six hours organic chemistry or instructor’s permission. Fall Semester.

509 Chemistry of Life Processes (3 credits). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstrations on material will be correlated with lecture material. Prerequisite: One year of general chemistry and organic chemistry. Fall semester.

511 Advanced Analytical Chemistry (3 credits). Stoichiometry involved in separations and chemical analysis. The second semester includes chemical bonding, complex ions, coordination compounds, nonaqueous solutions and nuclear reactions. Two lectures per week. Prerequisite: C-207, 208 will not be allowed if credit is given in C-317, 318.

512 Advanced Inorganic Chemistry (3 credits). Atomic and nuclear structure, radioactivity, nuclear reactions, radiation, detection of radiation, and applications. Prerequisite: One year of general chemistry. Spring semester.

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

COMMUNICATION MAJOR
Bachelor of Arts Program

(Recommended Program)

INTERPERSONAL COMMUNICATION EMPHASIS

Credits

1. General College Requirements .......................... 14
2. Departmental Core Requirements ..................... 14
3. Suggested Courses, as follows:
   A. CM 131 Listening .................................. 3
   B. CM 251 Communication in the Small Group .......... 3
   C. CM 207 Interviewing ................................ 3
   D. CM 431 Small Group Process ........................ 3
   E. CM 171 Mass Communication: Concepts and ....... 3
      Perspectives
   F. CM 341 Nonverbal Communication .................. 3
   G. CM 351 Intercultural Communication ................ 3
   H. CM 361 Organizational Communication ............... 3
   I. CM 412 Persuasion ................................ 3
   J. CM 478 Public Relations ........................... 3
   K. CM 321 Rhetorical Theories ......................... 3
   L. CM 331 Message Analysis and Criticism .......... 3
   M. CM 332 Contemporary Public Communication ....... 3
   N. CM 112 Reasoned Discourse ........................ 3
   O. CM 113 Competitive Speaking ..................... 3
   P. CM 121 Voice and Diction .......................... 3
   Q. CM 231 Message Composition and Presentation .... 3
   R. CM 241 Oral Interpretation ......................... 3
   S. CM 271 Journalistic Communication: Theory and .... 3
      Practice
   T. CM 273 Reporting and News Writing ............... 3
   U. CM 322 Applied Speech Communication ............. 3
   V. CM 451 Communication Practicum .................. 3
   W. CM 471 Radio-TV Newswriting ...................... 3

Total 40-43

MASS COMMUNICATION EMPHASIS

1. General College Requirements .......................... 14
2. Departmental Core Requirements ..................... 14
3. Suggested Courses, as follows:
   A. CM 171-172 Mass Communication: Concepts and Perspectives .................. 3
   B. CM 271-272 Journalistic Communication Theory and Practice .................. 3

Total 40

SECONDARY EDUCATION EMPHASIS:

1. General College Requirements .......................... 14
2. Departmental Core Requirements ..................... 14
3. Education requirements. (See Section VI)
   Secondary Education

4. Suggested Courses, as follows:
   A. CM 241 Oral interpretation .......................... 3
   B. CM 112 Reasoned Discourse ......................... 3
   C. CM 113 Competitive Speech ......................... 3
   D. CM 121 Voice and Diction .......................... 3
   E. CM 131 Listening ................................ 3

   Total 40

DEPARTMENT OF COMMUNICATION

Chairman and Professor: Dr. Robert R. Boren; Associate Professor: Boyleman, Cox, Gepphart, Pitman, Assistant Professors: Barry, DeMoux, Parker, Rayborn; Instructors: Comer.

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general university requirements for Bachelor of Arts degree as listed on pages 23-25.

2. Requirements for Communication major: all majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:

   Credits
   CM 111— Fundamentals of Speech Communication ............ 3
   CM 201— Methods of inquiry ................................ 3
   CM 221— Communication Process ........................... 3
   CM 421— Theories of Communication ........................ 3
   CM 498— Communication Seminar ........................... 2
   Courses for Area of Emphasis ............................ 26-29

Total 40-43
CM 231 Message Composition and Delivery
CM 312 Applied Speech Communication
CM 451 Communication Practicum
C. CM 251 Communication in the Small Group
CM 307 Interviewing
CM 431 Small Group Process
D. CM 321 Rhetorical Theories
CM 331 Message Analysis and Criticism
CM 332 Contemporary Public Communication
E. CM 171 Mass Communication: Concepts and Perspectives
CM 271 Journalistic Communication: Theory and Practice
CM 341 NonVerbal Communication
CM 351 Intercultural Communication
CM 412 Persuasion

Electives (UD) 9

Theories of Communication, CM 421 3

Total 40-41

NOTE: A student with a single teaching field must complete at least 45 credits.
JOURNALISTIC COMMUNICATION EMPHASIS

1. General College Requirements
2. Departmental Core Requirements
3. Other Required Courses
4. Suggested courses, chosen from the following:

JOURNALISTIC COMMUNICATION EMPHASIS

CM 271, 272 Journalistic Communication: Theory and Practice
CM 274 Reporting and News Writing
CM 307 Interviewing
CM 371 Copyreading and Editing
CM 372 Journalistic Communication Practicum
CM 471 Radio-TV Newswriting
CM 472 Editorial and Feature Writing
CM 478 Public Relations

Special area emphasis may be selected from the following programs; this must include a minimum of 9 credit hours in one area:

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

OR any other program listed on page 26 of B.S.U. Catalogue (under Baccalaureate Degree Programs)

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

COMBINED MAJOR:

A. With Journalism emphasis: Department 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
Rhetorical Theories, CM 321 3
Theories of Communication, CM 421 3
Communication electives (UD) 9

Total Hrs.: 36 (27 & 9)

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
Rhetorical Theories, CM 321 3
Theories of Communication, CM 421 3

Electives (UD) 9

Baccalaureate Degree Programs

1. If student does not elect another Humanities course (either HU 207 or HU 208), then he would take 6 upper division hours in Communication or English and 9 upper division hours in the other department.

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

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

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 upper division hours in Communication or English and 9 upper division hours in the other department.

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

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

ENGLISH

Literature Survey 1 6

Humanities HU 207 or 208 3

Advanced Writing & Linguistics 2 9

Electives (UD) 9

Total Hrs.: 27

SCHOOL OF ARTS AND SCIENCES

Lower Division

102 Professional Speech Communication (3 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.

111 Fundamentals of Speech—Communication (3 credits). Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts. Students may not earn credit in both CM-102 and CM-111.

112 Reasoned Discourse (3 credits). Introduction to logical reasoning and the role of the advocate in a free society. Analysis of propositions, issues, arguments, evidence, fallacies of arguments, and various systems of reasoning. Preparation for and participation in activities designed to apply the principles of logical reasoning in the public forum.

114 Intercollegiate Debate (1 credit). Preparation for and participation in competitive debate using the current intercollegiate debate topics. Prerequisite: PERMISSION of the Instructor. CM-114 and 314 may be repeated for a total of 4 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.


201 Methods of Inquiry (3 credits). Introduction to the Philosophy of Science as applied to the study of communication. Emphasis on various techniques of research and the requirements for the conduct, reporting and criticism of research.

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221 Communication Process (3 credits). An examination of the nature of human communication. Focuses through experiential learning, on awareness of self, communicative relationships and codes.

231 Message Composition and Presentation (3 credits). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.

241 Oral Interpretation (3 credits). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for selection, and project that meaning to his listeners. Either semester.

251 Introduction to the Small Group (3 credits). A study of human interaction in small groups. Emphasis on actual experience in working in small groups. Includes concepts in planning, preparing, and participating in group discussion and decision making.

271, 272 Journalistic Communication: Theory and Practice (3 credits). An experiential based study of journalistic theory and practice. Emphasis is placed on the production of mass media content, through closed circuit radio and television productions and laboratory public service announcements. Not to be taken concurrently with Communication 171-172. CM 271 Fall semester, CM 272-Spring semester.

273-274 Reporting and News Writing (3 credits). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis will be placed on accuracy, conciseness and clarity in writing. Includes study of elements of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copywriting symbols. Prerequisite: Ability to use typewriter. Each semester.

275 Supervision of School Publications (2 credits). For prospective teachers who plan to be advisors of school newspapers and yearbooks, a study of fundamentals in writing, layout, and management of scholastic publications. Spring semester.

276 Television: History and Aesthetics (3 credits). An examination of television as an entertainment medium from critical and historical points of view. Course includes a study of dramatic and comic types, the development of specialized programming, and the social and commercial influences on program content.

277 Communication (3 credits). A study of photography as a means of communication. Includes the planning and production of photography for publication and broadcast. Two hours lecture and two hours laboratory per week. Prerequisite: AR-251 or consent of instructor. Fall semester.

Upper Division

307 Interviewing (2 credits). An examination of the theory upon which communication behavior in dyadic situations is based. Practical experience in various types of interviews as conducted in business, in education, and in the professions.

311 Speech—Communication for Teachers (3 credits). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching; emphasizing various communication situations confronted by teachers and strategies for maximizing student-teacher relationships.

312 Applied Speech Communication (3 credits). An application of basic principles of speech communication to real situations involving current community problems and issues. Prerequisite: CM 111 or 102 or consent of instructor.

314 Intercolllegiates Debate (1 credit). Preparation for and participation in competitive debata involving current intercollegiate debate topics. Prerequisite: permission of the instructor. CM 114 and 314 may be repeated for a total of 4 credits.

321 Rhetorical Theories (3 credits). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.


332 Contemporary Public Communication (3 credits). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public diolog which reflect, reinforce, and alter public opinion.

341 Nonverbal Communication (2 credits). An examination of the function of non-verbal language codes in communication. Students look at: 1. how individuals and groups acquire and apply rules about what, how, to whom, and when to communicate with nonverbal sign systems. 2. When and how the interpretation and analysis of nonverbal signs may affect decision-making or conclusion-drawing in communication. Emphasis on projects demonstrating non-verbal communication.

351 Intercultural Communication (3 credits). An examination of political, social and cultural influences on interpersonal communication. A critical examination of communication within and among subcultures as well as across cultures. Examination of the theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.

371 Copywriting and Editing (3 credits). Techniques of reading newspaper copy; the use of proper copywriting symbols; laboratory work in editing and rewriting copy for publication.

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

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

378 History of Mass Communication (3 credits). Trace the development of the historical, technological, and practices of mass communication. Primary focus on the emergence of the mass media as a disseminator of news, opinion, entertainment and advertising. Prerequisite: Upper CM standing.


401 Methods of Teaching Communication (3 credits). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods of the development of verbal and nonverbal communication. The planning and management of co-curricular programs. Intended primarily for the individual preparing to teach speech communication or direct forensic activities in the secondary school.

411 Broadcast Writing (3 credits). Emphasis on the theories of persuasion. Examination of variables and message strategies relevant to the persuasive process. Practical application of the theory in the analysis and construction of persuasive messages.

421 Theories of Communication (3 credits). A critical evaluation of theories 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 cohesion/seness.

451 Communication Practicum (1-4 credits). Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to focus on areas of special interest to the student. May be repeated for a total of 4 credits.

481 Ethics, Law and Communication (3 credits). An in-depth study of the laws and ethics related to communication. Prerequisite: Upper division standing.

498 Communication Seminar (2 credits). A study of speech communication problems to gather with presentation of paper(s) based on research into problems. Prerequisite: CM 421 or consent of instructor. Senior standing.

DEPARTMENT OF ENGLISH

Chairman and Professor: Dr. Charles G. Davis: Professors: Boyer, Chatterton, Wright; Associate Professors: Maguire, Mullarey, Ni- gliazzo, Peek, Wallace, E. Willis; Assistant Professors: Ackley, Brooks, Burmaster, Chambers, Cocolis, Evett, Hadden, Hansen, King, Leahy, McCurry, McGuire, Nickerson, Sahni, Sanderson, Se- lander, Trusky, Warner.

REQUIREMENTS OF ENGLISH MAJORS

Bachelor of Arts Degree

I. Completion of general university requirements for Bachelor of Arts. See Pages 23-25.

II. Completion of Departmental Core

1. Specific Courses
   a. Survey of British Literature (E-240 and E-260) .................. 6*
   b. Shakespeare (E-345 or E-346) .................................. 3
   c. Introduction to Language Studies (L1-305) ..................... 3
   d. History of Literary Criticism (E-393) .......................... 3
   e. Senior Seminar (E-498) ........................................ 2

2. Area Requirements
   a. American Literature (E-270, E-377, E-378 or E-384) .......... 3

III. Completion of Departmental Option

1. Liberal Arts Option
   a. Competence in a Foreign Language equivalent to two years of university instruction.
   b. History of the English Language (L1-309) ..................... 3
   c. Upper Division English Electives ............................... 15

2. Secondary Education Option
   a. Applied English Linguistics (L-307) ........................... 3
   b. English Methods Courses (E-301 and E-381) ................... 6
   c. Oral Interpretation (CM 241) .................................. 3
   d. Upper Division English Electives ............................... 9
   e. Idaho Certification requirements .................................

Grand Total

1. Liberal Arts Option—General university requirements, plus 44 hours in major subject plus equivalent of 2 years of a foreign language.

2. Secondary Education Option—General university require- ments plus 35 hours in major subject, plus professional courses
in certification. (See Part VI for required Professional Education courses).

*Satisfies Area I requirements.

**Satisfies part of certification requirements.

Suggested Teaching Minor in English

Students who desire a teaching minor in English need no planned program to become certified, but in order to offer a student the best preparation and job qualification, the Department of English recommends the following program which it thinks constitutes a solid minor in English. An advisor in English will assist a student wishing to follow such a minor or portion of it, if the student prefers.

Advanced Composition ........................................... 3
Linguistics ............................................................. 3
E-301 or E-381 ....................................................... 3
Survey of American Literature .................................. 4
Lower Division Literature ........................................... 6*
Upper Division Literature .......................................... 6
* Recommended: Humanities, HU 207 and HU 208; World Literature, E-230 and E-235; British Literature E-240 and E-260.

THEATRE ARTS MINOR FOR ENGLISH

TA-117, Technical Theatre (basic set drawing and construction) .................. 4
TA-118, Technical Theatre (basic set design, painting and lighting) ............... 4
TA-215, Acting ................................................................ 3
TA-331, Major Production Participation ..................................................... 3

One of the following:

TA-333, Stage Voice ................................................................ 3
TA-334, Advanced Oral Interpretation ....................................................... 3

One of the following:

TA-341, World Drama, 500 B.C. to 1570 ..................................................... 3
TA-342, World Drama, 1570 to 1870 ......................................................... 3
TA-343, World Drama, 1870 to 1960 ......................................................... 3
TA-445, Contemporary Theatre ............................................................. 3
TA-401, Directing ................................................................................. 3

21 hours

Courses Applying to Both Disciplines

One of the following:

E-345, Shakespeare: Tragedies and Histories ........................................... 3
E-346, Shakespeare: Comedies and Romances ......................................... 3

TOTAL HOURS IN THEATRE ARTS MINOR FOR ENGLISH MAJOR 24 hours

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 47 under the Department of Communication for the listing of requirements.

Graduate Program

Master of Secondary Education

English Emphasis

Applicants who have at least twelve semester credit hours of upper division work in English with a grade point of 3.0 in those courses and who meet general graduate school requirements will be accepted as regular graduate students. Students who do not have the required upper division English work will be admitted on a provisional basis and will be advised what steps to take to qualify for regular status.

SCHOOL OF ARTS AND SCIENCES

Program Requirements

The course of study for the Master of Secondary Education with an English emphasis will consist of a minimum of 33 hours to be chosen by the student and his advisory committee from one of two alternatives.

1. An introductory seminar, twelve hours of graduate English courses, a thesis or project six hours from the Education core, and nine hours of English graduate electives. At least nine hours of the English courses must be at the 500 level.

   E-500 ................................................................................. 3
   E-593 or E-595 ............................................................... 3-6
   Graduate English electives (except E-501) ................................. 12
   Education Core (TE-560) .................................................... 6
   General Graduate electives (may include E-501) ........................... 9

   33

2. An introductory seminar, fifteen hours of graduate English courses, six hours from the Education core, nine hours of general graduate electives and a written and oral examination on graduate English coursework. At least twelve hours of the English courses must be at the 500 level.

   E-500 ................................................................................. 3
   Graduate English electives (except E-501) ................................. 15
   Education Core (TE-560) .................................................... 6
   General graduate electives (may include E-501) ........................... 9
   Examination on English coursework ......................................... 3

   33

Candidates electing a thesis will defend it orally. Candidates electing a project will take a written and/or oral exam covering the project and graduate coursework in English.

COURSES

E ENGLISH

Students who transfer from other schools with qualifying scores on objectives tests, equivalent to those administered to Boise State University freshmen, will be required to take only the essay section of the placement tests. See requirements below for Remedial and Advanced Placement in English composition.

Nine credits of creative writing may be counted toward fullfillment of the major requirements.

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 500 or 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.

111, 112 Honors Composition (3 credits). Designed to provide the superior student a challenging course that emphasizes individual study and original writing. An introduction to critical writing and the study of ideas through literature. Honors 111 concentrates on lyric, poetry, essays, and short fiction; 112, on epic, drama, and the novel. Normally students must have an ACT of 80 or above for E 111. For E 112, prerequisite of E 111 or consent of Department Chairman.

121 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 and 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 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. Credit not applicable toward requirements for graduation.

122 Honors Reading and Writing for Foreign Students (3 credits). Practice in college level reading and composition; development of specialist vocabulary skills related to 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 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. Prerequisite: Admission to college, recommendation of Foreign Language Advisor. Prerequisite: Instructor. The sequence E 122-123 satisfies the E-l01 re-
quirement for foreign students.

201 Advanced Expository Composition (3 credits). An advanced writing course for stu-
dents who wish to develop skills beyond those acquired in English Composition. Em-
phases are on logical and persuasive 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.

202 Advanced Creative Writing (3 credits). Practice in writing the main kinds of reports used in the sciences, social sciences, health sciences, and other fields in which writing about facts and ideas must be accurate and unambiguous. Students will work on improving the logic, organ-
izational, and persuasive aspects of their writing. There will be an emphasis on the techniques of research and documentation in their respective fields. Field work varies depending on specific course. Consent of instructor requested. Fall 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 develop-
ment of Black American literature. This course requires Afro-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 introduc-
tion to the cultural and religious milieu of each country covered in the course. Prerequisite: E 102. Fall semester.

217 Mythology (3 credits). Theme approach to mythology. Covering creation myths, death rituals, and cultural concepts of the hero. Includes material relating myth to religion, the oc-
cult, modern psychology, literature, and general Western culture. Prerequisite: E 102. Fall semester.

230 Western World Literature (3 credits). This course is an introduction to the cultural and literary history of Western civilization through some of the best plays, stories and novels written in English. Prerequisite: Six credits in lower division literature or consent of Department Chairman. Fall semester.

235 Western World Literature (3 credits). A continuation of E 230, which focuses on the subjects and genres of the 17th to 19th centuries. Prerequisite: Three credits of lower division literature or consent of Department Chairman. Fall semester.

240 Survey of British Literature to 1790 (3 credits). A study of the major works, authors, and developments in English literature. The course is intended to provide a background for understanding the literature of English speaking people. Prerequisite: E 102. Fall semester.

260 Survey of British Literature: 1790 to Present (3 credits). A study of the major works, authors, and developments in English literature of the past 200 years. The course continues the coverage of E 240 to the present. Prerequisite: E 102. Spring semester.

270 Survey of American Literature (3 credits). The course traces the artistic, philosophic, social and intellectual influences on American writers and the emergence of an independent American outlook. Reading is selected from American authors representative of their time and region. Prerequisite: E 102. Each semester.

Upper Division

301 Teaching English Composition (3 credits). Methods and techniques for teaching Eng-
lish composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into the other instruction. Prerequisite: Consent of student's original work. Fall semester.

302 Advanced Fiction Composition (3 credits). Short story or playwriting. Prerequisite: in-
structor's consent based on evaluation of student's original work. Spring semester.

303 Advanced Poetry Composition (3 credits). Prerequisite: instructor's consent based on evaluation of student's original work. Spring semester.

304 Advanced Expository Composition (3 credits). Prerequisite: instructor's consent based on evaluation of student's original work. Fall semester.

338 Nineteenth-Century Continental Literature (3 credits). A study (in translation) of maj-
or European writers of the Nineteenth Century. Specific reading selections vary each sem-
ster, but keep within a chronological approach stressing the relationship of the literature to contemporary economic and social conditions. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1979-78.

339 Twentieth-Century Continental Literature (3 credits). The readings (in translation) used for Twentieth Century Continental Literature especially emphasize twentieth century philosophical and political themes. Included are works by Mann, Mus-
nerac, Lagerkvist, Kafka, Hesse, Grass and Sartre/Siméon which examine mythological, exist-
ential, religious, and political themes in relation to contemporary human values. Prereq-
uisite: Junior standing and E 102 or consent of Department Chairman. Spring semester, alternate years. To be offered 1979-78.

340 Chaucer (3 credits). A study of representative works of Geoffrey Chaucer with empha-
sis on The Canterbury Tales and Troilus and Criseyde. Prerequisite: Three credits lower-
division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1978-79.

341 Medieval Epic and Romance (3 credits). A study of representative English and Con-
terminnal epic and romance, which includes Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes' Arthurian Romances, The Song of Roland, The Nibelung, etc. Prerequisite: E 102. Fall semester.

342 Arthurian Romances (3 credits). A study of the Arthurian romances, Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes' Arthurian Romances, The Song of Roland, The Nibelung, etc. Prerequisite: E 102. Fall semester.

345 Shakespeare: Tragedies and Histories (3 credits). A study of representative Shake-

dess-pearean Tragedies and Histories. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester. Alternate years.

346 Shakespeare: Comedies and Romances (3 credits). A study of representative Shake-

dess-pearean Comedies and Romances. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester. Alternate years.

370 Student Advisor and consent at instructor. The sequence E-122-123 satisfies the E-l0l re-
quirement for foreign students.

371 Milton (3 credits). A study of selected prose and poetry of John Milton with special em-
phasis 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 credits lower division literature or consent of Department Chairman. Either semester, alternate years to be offered 1978-79.

374 La Fontaine and Jacobean Drama (3 credits). An introduction to the nineteenth cen-
tury French and Jacobean comedies and tragedies, which include representative works of such playwrights as Moliere, Marlowe, Jonson, Thomas Heywood, Beaumarchais and Fletcher. Prerequisite: Either semester, alternate years to be offered 1978-79.

375 Swift, Johnson and Their British Contemporaries (3 credits). A study of the satire and philosophy of two of Britain's greatest writers, Swift and Johnson. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester, alternate years.

377 Johnson and Their British Contemporaries (3 credits). A study of the satire and philo-

dy of two of Britain's greatest writers, Swift and Johnson. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester, alternate years.

378 British Novel: Beginnings through Scott (3 credits). An investigation of the develop-
ment of the novel, tracing its roots and exploring the works of Dryden 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 forms of literature, and the role of the major novelists. Prerequisite: Three credits lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

379 Victorian Poetry (3 credits). A study of representative works from the writings of Ken-


dynson, Browning, Arnold, and their contemporaries, up to and including Thomas Hardy. Prerequisite: Three credits lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

380 British Romantic Poetry (3 credits). A study of representative poems and supplem-
entary statements by the Romantics, Wordsworth, Coleridge, Shelley, Keats, Byron, and se-
lected contemporaries, including Blake and Hazlett. Prerequisite: Three credits lower-
division literature or consent of Department Chairman. Fall 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 sec-


tary level. Prerequisite: Introduction to Language, Social Sciences, or ESL. Prerequisite: Either semester.

384 Literature of the American West (3 credits). A study of the American literature written within the period from the Civil War to World War I. Mark Twain, W. D. Howells, Henry James, Stephen Crane, and other contemporaries. Prerequisite: Either semester. To be offered 1978-79.

385 Twentieth-Century Anglo-American Fiction (3 credits). This course is designed to acquaint both non-majors and majors in literature with contemporary American fiction, subject and stylistic innovations in British and American fiction since 1900. Reading includes selected

50
nologies and short stories by such authors as Cary, Elliott, Franklin, Gardner, Goldberg, Hem- 
lgard, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. Prerequisite: Three 
credits 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 themes used by the British and American writers who have created the vari- 
anous forms of "modern" drama. Prerequisite: Three credits lower-division literature or con- 
sent of Department Chairman. Either semester.

390 Folklore (3 credits). Study of what folklore is, its written and oral traditions, its different 
genres. Prerequisite: E-502 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.

401 Advanced Writing (3 credits). Writing for the student who wants advanced training in 
expressing ideas. The emphasis is on developing effective writing techniques, taking into 
account varieties of technique and their appropriateness for a specific audience. Will not fulfill Area I 
requirement for graduation. Either semester. Prerequisite: Permission of the instructor or E- 
201.

487G 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 developments in their work. Prerequisite: Three credits 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.

Graduate

The introductory seminar (E-500) is prerequisite to other 500- 

level seminars. However, with the consent of the candidate's com- 
mitee, the student may concurrently take another seminar. With the 

exception of E-501 and E-597, all seminars will be in specified areas of 

American and British literature and linguistics, though they may 

cover influences from other literatures. A maximum of six hours in 

400G English courses may be substituted for seminar work in the 

English core. E-501 may be taken as a general elective, but may not 

be counted toward a student's English core.

Since the content of courses E-510, E-520, E-530, E-540, E- 

550, E-550, E-570, and E-597, may vary from term to term, a student 

may repeat any of these courses for credit but may not count more 

than six hours toward his English core.

487G and 488G see above.

500 Introductory Seminar (3 credits). An examination of a well-defined theme or problem, 
or an investigation into a major author. Research and report on aspects of the controlling 
subject to be performed by students under careful supervision of the instructor. An intro- 
duction to bibliographic methods and orientation to bibliographic sources. Prerequisite: Admission to the Graduate Program or consent of the English Department Chairman.

501 The Teaching of Writing (3 credits). A study of theories and methods of teaching writ- 
ing for experienced teachers. Special emphasis on new discoveries about the learning proc- 

esses in writing courses such as those of Moffett, Murray, Judy, Elbow, and Macrorie, and on 
the teacher's role in helping the individual student. Prerequisite: E-500 and teaching experi- 
ence or consent of the English Department Chairman.

505 Linguistics (3 credits). A study of modern linguistics theories and their application to 

literary texts and to the teaching of English. An examination of the ways in which traditional, 
structural and transformational theories deal with the complexities of language in the areas of 
syntax, morphology, and phonology, as well as the recent application of such theory to 
stylistics and prosody. Prerequisite: E-500 and a linguistics course equivalent to L1-305 or 
consent of English Department Chairman.

510 Major Author (3 credits). A consideration of minor and major artistic creations of an 
author with attention devoted to major influences on the writer and his influence on others. 
Aspects of investigation to include the life of the author and its relation to his work, the soci- 
ety and culture of the times, his place and stature in the genres in which he worked, his use 
or disregard of tradition, as well as an investigation of contemporary criticism and critical 
evaluation since his time. Prerequisite: E-500 or consent of English Department Chairman.

520 Genre (3 credits). A study of a well-defined literary category, such as novel, short 

story, epic, or tragedy. Examination of representative texts in order to discover the evolution of 
a specific literary genre while at the same time establishing its typical features. Prerequi- 
tite: E-500 or consent of English Department Chairman.

530 Period (3 credits). A study in major authors, genres, or topics set within a selected pe- 
dium of American or British literature. Prerequisite: E-500 and consent of English Department 
Chairman.

540 Myth in Literature (3 credits): An exploration of the use of myth in literature, both as a 
structuring influence as well as a source of content. While attention will be given to the na- 
ture and working of myth itself, focus will be on the ways it enters into the conscious cre- 
ation of fiction art. Mythic themes may be explored, such as the quest narrative, the Atlant- 
ian myth in American literature, or the functions of myth in the work of major authors such 
as Milton, Melville, T. S. Eliot, Joyce. Prerequisite: E-500 or consent of the English Depart- 
ment Chairman.

550 Literature and Culture (3 credits). A study of the reciprocal relationship between a se- 
lected body of literature and the social, economic, and political forces that characterize the 
culture from which it originated. The nature of the interaction between the artistic expression of 
the culture and its economic, social and political development. Prerequisite: E-500 or consent of 
English Department Chairman.

560 Folklore (3 credits). An examination of materials selected from oral tradition and cus- 
ton with attention to be paid to aspects of collecting, classifying, comparing, analyzing, and 
achieving. Theories and methods of collection, transcription, and function will be related to the 
use of folklore in the classroom. Prerequisite: E-500 or consent of English Department 
Chairman.

570 Literary Movements (3 credits). A focus on a significant literary movement, the works 
of its major and minor contributors, its theories and its practice, its relation to its time, its 
place in literary history, its influence on writers past and present. Prerequisite: E-500 or con- 
sent of English Department Chairman.

593 Thesis (3 to 6 credits). A scholarly paper containing the results of original research. 
Prerequisite: Admission to candidacy and approval of the student's graduate committee.

595 Reading and Conference: (3 to 6 credits). A project may include, but is not limited to, 
a literary research paper or experimental research on some aspect of pedagogy or prepara- 
tion of written curriculum with teaching materials. Prerequisite: Admission to candidacy and 
approval of the student's graduate committee.

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 literature. The hu- 
manities and the scientific imagination. "High" culture and "mass" culture. Prerequisite: 
English 102 or consent of Department Chairman. Each semester.

LI LINGUISTICS

305 Introduction to Language Studies (3 credits). A general survey of contemporary lan-
guage study as it is carried on in the fields of linguistics, anthropology, semantics, psychol- 
gy, and communication theory. Prerequisite: English 102 or consent of Department Chair- 
man. 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 struc- 
ture encountered in instruction. Examination of texts and materials, reports on pertinent arti-
cles in professional journals and demonstrations. For teachers or prospective teachers of 
secondary schools. Prerequisite: LI-305 or consent of Department Chairman. Spring se- 

mester.

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; Concentrated work with written documents in 

English language history. Prerequisite: LI-305 or consent of Department Chairman. Spring 

semester.

405 Modern English Structure (3 credits). An approach to modern English based on lin-
guistic principles, the course will cover English phonology, morphology, and syntax with 
transformational emphasis, but including a survey of traditional structural, and newly devel- 
opment theories of grammar. Prerequisite: LI-305, or consent of Department Chairman. Either 
semester, alternate years. To be offered 1977-78.

 interdisciplinary courses are available through a program funded by the National Endow-
ment for the Humanities. Information is available in Liberal Arts room 102.

DEPARTMENT OF FOREIGN LANGUAGES

Chairman and Associate Professor: Dr. John B. Robertson, Profes-

GERMAN MAJOR

From the core of German courses and from the University 
course offerings, German majors may map out a program to suit 
their own objectives. They may wish to acquire special secondary 
skills or knowledge (which is encouraged). However, they must be 
consistent with the following requirements:

1. Completion of general college requirements for Bachelor of Arts 
degree as listed in the Bulletin (See pages 23-25.)

2. The program has a minimum of 36 semester hours of upper divi-

cion work (300 and 400 levels), 30 of which must be in German.

3. 12 credit hours of the German work must be on the 400 level.

4. Majors with the Secondary Education Option must take FL 412. G 

410 is strongly recommended.

5. The candidate for the BA in German, Liberal Arts Option must suc-
cessfully complete one Senior Seminar

6. The program must be developed in consultation with the major ad-
visors and the department chairman

7. The candidate must demonstrate his or her level of language com-
petency in German on the MLA or equivalent examination during 
the last semester in the program
From the core of Spanish courses and from the University course offerings, Spanish majors may map out a program to suit their own objectives. They may wish to acquire special secondary skills or knowledge (which is encouraged). However, they must be consistent with the following requirements:

1. Completion of general college requirements for Bachelor of Arts degree as listed in the Bulletin. (See pp. 23-25.)
2. The program has a minimum of 36 semester hours of upper division work (300 and 400 levels), 30 of which must be in Spanish
3. 12 credit hours of the Spanish work must be on the 400 level
4. Majors with the Secondary Education Option must take FI 412 and S 410
5. The candidate for the BA in Spanish, Liberal Arts Option must successfully complete one Senior Seminar
6. The program must be developed in consultation with the major advisors and the department chairman.
7. The candidate must demonstrate his or her level of language competency in Spanish on the MLA or equivalent examination during the last semester in the program.

**REQUIREMENT FOR A FOREIGN LANGUAGE TEACHING MINOR**

In order to be recommended by the Department of Foreign Languages 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 and 6 hours of culture and civilization in the same language; 3 hours of methods of teaching foreign languages.

Placement Test

Students with previous experience in foreign language must take the FL Placement Test administered at the beginning of each semester (check the BSU Fall & Spring Calendars for specific times). Placement into the proper course will be made on the basis of placement test results in consultation with the Department. Credit for previous work can be gained.

**COURSES**

**FL FOREIGN LANGUAGE**

412 Teaching Methodology in Foreign Languages (3 credits). This course is designed for prospective and practicing Foreign Language teachers. Theoretical discussions of various problems and trends in language learning will be applied to practical issues in order to illustrate how the proposed activities and techniques can facilitate language acquisition. Emphasis on an evaluation of Foreign Language objectives, methods of instruction, and culture content, with special reference to classroom settings and interaction, testing and evaluation, educational media and language laboratory, resources and bibliography. Each student is encouraged to develop innovative and creative means of teaching. Local foreign language, secondary classrooms will be visited. Final grade based on: Class contribution, readings, written projects, practical, and final examination (in all of which a foreign language competency is assumed). Prerequisites: a minimum of 9 upper division credits in one foreign language or permission of the instructor and chairperson. Offered in alternate years. Not offered 1980.

**F FRENCH**

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 instructor, 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 conducted 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 semester.
455 Die moderne Welt beginnt (1890-1945) (3 credits). "Isms," trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich. Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and the Expressionism Revival. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

456 Als der Krieg zu Ende War... (1945-present) (3 credits). Selections will be taken from the authors, essaysists, dramatists and poets who have appeared on the scene since 1945 treating the war and post-war experience, and the human condition in the contemporary world. Austrian, East German, Swiss and West German writers. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

467 Die deutschsprachige Welt von heute (3 credits). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. Prerequisite: G376 or G377 or G304, or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

498 Senior Seminar (3 credits). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. Prerequisite: Senior standing or permission of instructor. Offered in 1979-80.

R RUSSIAN

101-102 Elementary Russian (4 credits). This course is designed to develop the beginning student's competence with the basic grammatical structures and vocabulary found in modern Russian. Classical Russian is studied once a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Fall and Spring semester. Offered in alternate academic years. Offered in 1979-80.

S SPANISH

Lower Division

101-102 Elementary Spanish (4 credits). Designed to develop abilities in understanding, speaking, reading and writing Spanish. Offers a basic study of grammatical structure and vocabulary. Readings and audiolinguistic activities introduce the student to the Hispanic culture. Minimum of 1 hour lab work and 4 class contact hours per week. Each semester. Students may not enroll in 101 for credit if they have had more than one year of high school Spanish. Completion with a C or better is required for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Prerequisite: G 331 or permission of the instructor. Offered in alternate academic years. Offered in 1979-80.

201-202 Intermediate Spanish (4 credits). Intended to further develop Spanish language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. Minimum 1 hour lab work and 4 class contact hours per week. Prerequisite: S102 or equivalent as determined by placement examination and consultation. Offered in 1979-80.

Upper Division

303 Advanced Spanish Conversation and Composition (3 credits). A practical course to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Offers an analysis of the expansion and development of cultural expressions. Discussion of topics related to Hispanic contemporary trends, current events, everyday life, and other themes of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.

304 Advanced Spanish Conversation and Composition (3 credits). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Discussion of topics related to contemporary Hispanic world, and other areas of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.

331 Introduction to Hispanic Literatures and Literary Analysis (3 credits). A theoretical and practical study of literary history, the different genres, movements, and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Hispanic literature. Prerequisite: S202 or equivalent as determined by placement examination and consultation. Each Fall.

337 Cultura y CivilizaciOn Espaiiola (3 credits). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to western world. Discussions conducted in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.

337 Cultura y CivilizaciOn Hispanoamericana (3 credits). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanic-American nations, and their contributions to the western world. Discussions in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.

385 La Gente Mexicana-Americana en los Estados Unidos (3 credits). A bilingual-bicultural course dealing with the historical roots of Mexican-American, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years, including the "Chicano," "La Raza," La Causa, and other recent social and political movements. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years.

410 Applied Linguistics for the Spanish Language Teacher (2 credits). Application of the main concepts, aspects and features of modern linguistics to specific problems entailed in the teaching of Spanish as a foreign language. Special emphasis on linguistic awareness to foreign language teaching and learning practices with emphasis on the analysis of the ways in which traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology, syntax, and semantics. A minimum of 6 credits of upper-division Spanish and/or in-service teaching and/or equivalency as determined by placement test and interview. (Each semester). Alternate years.

435 Cultura America-Mexicana (3 credits). An in-depth study of writings by major Mexican-American authors, with emphasis on socio-cultural as well as literary values. Among them: Montoya, Alvarez, Ponce, Elizondo, Sanchez, Padilla, Rivera, Manzano, Blandado, and others. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years.

435 Literatura Contemporanea Espanola (3 credits). Literature of ideas in contemporary Spanish America through the contemporary period. Special attention is given to the writings of Angel Flores, G. del Rosario, Justo Elizondo, and Penina. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

498 Senior Seminar (3 credits). Exploration of fields of special interest, either literary or critical studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors. Liberal Arts Emphasis. Prerequisite: Senior standing or permission of instructor. Offered in 1979-80.

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Chairman and Associate Professor: Dr. James K. Applegate; Professors: Hollenbaugh, Spinos, Warner, Wilson; Assistant Professors: Delisio, Donaldson, Research Associate: Guillemette; Visiting Professor: Hardman.

The Department of Geology and Geophysics provides four degree programs: 1) Bachelor of Science in Geology, 2) Bachelor of Science in Geophysics, 3) Bachelor of Science in Earth Science Education, and 4) Master of Science in Secondary Education, Earth Science Emphasis. Non-degree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Sciences Sequence in the Liberal Arts Option. Offered in the departments of Economics, History, Political Science, and Societal and Urban Studies.

The curriculum leading to the B.S. degree in Geology is designed for those students who plan a career in applied geology or who wish to attend graduate school. The more generalized curriculum leading to the B.S. degree in Earth Science Education is designed to prepare the student to teach earth science in secondary school and to meet the teacher certification requirements of the State of Idaho. The curriculum has full national accreditation.

The program leading to the B.S. degree in Geophysics is designed for students who would like a career in applied geophysics or
SCHOOL OF ARTS AND SCIENCES

who plan to attend graduate school. The need for geophysicists has grown greatly in recent years with the increased emphasis on quantitative geosciences. The curriculum offers a broad background drawing on courses in geology, math, chemistry and physics to support the geophysics courses leaving the student well equipped to find employment or to attend graduate school.

The curriculum leading to the M.S. in Secondary Education, Earth Science emphasis, is designed to provide advanced academic training in the topics of earth science to those students pursuing a teaching career. The curriculum has full national accreditation.

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

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

GEOLOGY MAJOR
(Bachelor of Science Requirements)

1. Geology Major:
   2. Major Requirements

   CREDITS
   A. Geology..........................45
      Physical Geology ..................4
      Historical Geology ..............4
      Mineralogy ........................4
      Petrology ........................4
      Sedimentology ....................4
      Stratigraphy .....................3
      Structural Geology ..............4
      Invertebrate Paleontology .......4
      Field Geology ....................4
      Geology Seminar ..................1
   B. College Chemistry ...............9
   C. General Physics ................8
   D. Mathematics through M-112 ......10
   E. Technical Drawing unless waiver is obtained from department chairman ......2
   F. Recommended electives ...........15
   Life Science
      Technical Writing
      Mathematics
      Geology
      Surveys
      Economics
      Chemistry
      Physics
      Engineering

   GEOLOGY MAJOR
   Suggested Program

   1ST SEM. 2ND SEM.
   English Composition ...............3 3
   Physical Geology ..................4 4
   Historical Geology .............. 5 5
   Mathematics .................... 4 5
   College Chemistry ............... 4 5
   Mineralogy ........................4
   Petrology ........................4
   General Physics ..................4 4
   Degree Requirements .............3 3
   Electives ........................4 4
   15 15

   1ST 2ND
   SEM. SEM.
   Sedimentology ....................4 4
   Stratigraphy .....................3
   Structural Geology ..............4 4
   Paleontology ....................4
   Degree Requirements .............5 6
   Electives ........................8
   17
   17

   SENIOR YEAR:
   1ST SEM. 2ND SEM.
   Field Geology .....................4
   Seminar ...........................1
   Degree Requirements .............3 3
   Upper Division Electives ........6 3
   Upper Division Electives in Geology ..6 6
   16 16

EARTH SCIENCE EDUCATION MAJOR
(Bachelor of Science Requirements)

1. General College and Baccalaureate Degree Requirements. See pages 23-25 for Graduation Requirements

2. Major Requirements

   CREDITS
   A. Geology ..........................30
      Physical Geology ..................4
      Historical Geology ..............4
      Introduction to Ocean Geology ...3
      Meteorology .....................3
      Geology Seminar ..................1
      Geomorphology ...................3
      Geology Electives to total 30 credits .
   B. College Chemistry ................9
   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
      Communication
      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

EARTH SCIENCE EDUCATION MAJOR
(Suggested Program)

1ST SEM. 2ND SEM.
   English Composition ..............3 3
   Physical Geology ..................4
   Historical Geology ..............4
   Mathematics .....................5 5
   College Chemistry ...............4 5
   16 17

   SENIOR YEAR:
   1ST SEM. 2ND SEM.
   Foundations of Education ..........3
   Geography ........................3
   General Physics or General Biology ....4
   Intro to Ocean Geology ..........3
   Meteorology .....................3
   General Psychology ..............3

   SOPHOMORE YEAR:
   1ST SEM. 2ND SEM.
   Mineralogy ........................4
   Petrology ........................4
   General Physics ..................4 4
   Degree Requirements .............3 3
   Electives ........................4 4
   15 15
# Degree Requirements

**Astronomy**

Upper Division Geology

Upper Division Electives

Geomorphology

**Junior Year:**

**Upper Division Geology**

**Degree Requirements.**

**Geomorphology**

**Senior Year:**

**Educational Psychology**

**Upper Division Geology**

Seminar ".

**Secondary School Methods .**

**Student Teaching .**

**Area I & II requirements**

**Unrestricted electives .**

**Audio Visual Aids .**

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**1st Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
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</tr>
<tr>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>Digital Comp. Programming</td>
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**2nd Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus &amp; Anal. Geometry</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Eng. Math</td>
<td>4</td>
</tr>
<tr>
<td>Physics II &amp; III</td>
<td>3</td>
</tr>
<tr>
<td>Physics Lab</td>
<td>1</td>
</tr>
<tr>
<td>Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>Petrology</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Geophysics</td>
<td>6</td>
</tr>
<tr>
<td>Area I &amp; II requirements</td>
<td>3</td>
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**Sophomore:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>Physics of the Earth</td>
<td>3</td>
</tr>
<tr>
<td>Area I &amp; II requirements</td>
<td>6</td>
</tr>
<tr>
<td>Unrestricted electives</td>
<td>3</td>
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**1st Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Geophysics I &amp; II</td>
<td>5</td>
</tr>
<tr>
<td>Field Geology</td>
<td>5</td>
</tr>
<tr>
<td>Electricity &amp; Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>Unrestricted electives</td>
<td>3</td>
</tr>
<tr>
<td>Area I &amp; II requirements</td>
<td>3</td>
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**2nd Semester:**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>M-112, 205, 206</td>
<td>13</td>
</tr>
<tr>
<td>Advanced Engineering Math (M-321)</td>
<td>4</td>
</tr>
<tr>
<td>M-124 or EN-104</td>
<td>2</td>
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<tr>
<td>F. Recommended electives</td>
<td>16</td>
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<tr>
<td>Physics PH-301, 382</td>
<td>2</td>
</tr>
<tr>
<td>Math M-340, 401, 421, 422</td>
<td>4</td>
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<tr>
<td>Engineering EN-221, 223</td>
<td>2</td>
</tr>
<tr>
<td>Geology GO-403, 412, 421, 431</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry C-321, 322</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>2</td>
</tr>
<tr>
<td>Technical Writing</td>
<td>2</td>
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**Master of Science, Secondary Education, Earth Science Emphasis**

The curriculum for the Master of Science in Secondary Education, Earth Science emphasis is intended to provide education for earth science teachers with the course offerings stressing current data and developments in the discipline. The planning, preparation, and conducting of laboratory investigations and out-door field trip activities are emphasized. Because of the great variety of back-ground training of present secondary earth science teachers, the course offerings have been chosen and designed to allow maximum flexibility in planning individual programs. A preliminary examination, oral or written, will be administered to each candidate.

Required courses include TE-560, GO-598 and a final thesis, project, or additional courses as determined by the committee. All other courses to be taken in the degree program are planned by the student and his graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

**Courses**

**Geology**

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### Freshman:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics I</td>
<td>4</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>Calculus &amp; Anal. Geometry</td>
<td>5</td>
</tr>
<tr>
<td>College Chemistry</td>
<td>4</td>
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</table>

### Junior:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>100 Fundamentals of Geology (4 credits). An introduction to the principles of physical and historical geology. Topics include: weathering, erosion, glaciation, volcanism, earthquakes, the study of rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in geology, geology or earth science majors, and those non-science majors who plan an 8-hour sequence in geology. Three lectures and 1 three-hour lab per week. Each semester.</td>
<td></td>
</tr>
<tr>
<td>101 Physical Geology (4 credits). A study of the origin and development of the earth's materials, land forms, internal structures, and the physical processes acting on and in the earth that produce continuous change. Topics include weathering, erosion, glaciation, volcanism</td>
<td></td>
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55
metamorphism and igneous activity, mountain building, earthquakes, and the origin of con-
iments, ocean basins, and landscapes. The laboratory provides instruction and practice in
the identification of rocks and minerals, and the use of topographic and geologic maps.
Three-hour laboratory per week. Field trips required. Each semester.

310 Historical Geology (4 credits). A study of the origin and progressive development of
the earth and life in terms of its geologic history. Emphasis is placed on topics of great top-
ographic and geologic significance, and the interpretation of rocks and minerals. Three
hours of lectures, one three-hour laboratory per week. Field trips required. Each 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 process by which
they are formed and changed. Laboratory work consists of map studies and field investiga-
tions. Two three-hour laboratory sessions and one one-hour laboratory per week. Prerequisite: 312. Fall semester.

319 Historical Geology (4 credits). A study of the origin and progressive development of
the earth in terms of its geologic history. Emphasis is placed on topics of great topog-
ographic and geologic significance, and the interpretation of rocks and minerals. Three
hours of lectures, one three-hour laboratory per week. Field trips required. Each semester.

320 Optical Mineralogy (4 credits). The theory and application of the polarizing micro-
scope in the examination of igneous and metamorphic 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 diag-
nostic techniques to identify mineral species. A systematic survey of the optical properties of
minerals. Prerequisite: GE 202. Fall semester.

321 Petrography (4 credits). The study of igneous rocks with emphasis on the factors
controlling their formation and composition. A study of the techniques of thin section
petrography and the application of petrographic analysis to the interpretation of igneous
rocks. Three hours of lectures, one three-hour laboratory per week. Prerequisite: Graduate
status and 15 credits in Earth Science, or consent of instructor. Either semester.

322 Structural Geology (4 credits). The study of the physical nature of rocks, the origin, de-
scription, 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 folds and faults, construction of maps and
cross sections, and the use of aerial photos. Field trips. Three lectures and one three-hour
lab per week. Prerequisite: Historical Geology and College Algebra and Trig. Fall, Spring.

323 Physical Geology (4 credits). A study of the origin of the earth and its surface
environment, emphasizing the origin and distribution of elemental mineral resources.
The course will also cover the earth's natural resources and their utilization. Emphasis will
be on the classification and distribution of igneous, metamorphic, and sedimentary rocks
based primarily on features observed in this section. A systematic study of the principles
of petrology, geology, and geophysics. Three hours of lectures and one three-hour
laboratory per week. Field trip weekend required. Prerequisite: Graduate status or consent of the instructor. Spring.

324 Recent Geology (4 credits). A study of the geological history and the mineral resources
available for the use of society. Prerequisite: Historical Geology. Fall semester.

325 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.

Graduate

325 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 con-
tainment, the water cycle, economic geology, and economic geology of
minerals. The resource needs of our expanding population are contrasted with the growing
requirement for the protection of our natural resources. Prerequisite: Graduate status, or consent of the instructor. Fall semester.

327 Geologic Mapping (3 credits). A systematic study of the techniques of geologic
mapping and their application to the study of the earth's surface. Emphasis is placed on
the study of topographic and geologic maps. Three hours of lectures, one three-hour
laboratory per week. Prerequisites: Graduate status or consent of instructor. Summer.

329 Geologic 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 per-
taining to various geologic topics relative to a specific area. That region, to be designated
at the beginning of the semester, will be chosen by the students attending the class. The
trip is ordinarily taken during the spring semester vacation period. Rocks, minerals, and fossils
collected during the trip and photographs of specific areas are kept, with which are compiled into final report form. One lecture per week. Prerequisite: Graduate status. Spring semester.

330 Thesis (3-6 credits). The thesis consists of a problem related to the earth sciences
and approved by the student's major professor. The student must meet with his or her
major professor at least twice per week and a final meeting with the advisory committee
three days before the deadline. Prerequisite: Graduate status and 15 credits in Earth Science, or consent of the instructor. Spring semester.

331 Thesis (3-6 credits). The thesis consists of a problem related to the earth sciences
and approved by the student's major professor. The student must meet with his or her
major professor at least twice per week and a final meeting with the advisory committee
three days before the deadline. Prerequisite: Graduate status and 15 credits in Earth Science, or consent of the instructor. Spring semester.

332 Research (1-4 credits). Field or library research project. Student must work
independent of the instructor. Prerequisite: Graduate status. Each semester.

333 Research (1-4 credits). Field or library research project. Student must work
independent of the instructor. Prerequisite: Graduate status. Each semester.

334 Research (1-4 credits). Field or library research project. Student must work
independent of the instructor. Prerequisite: Graduate status. Each semester.
598 Graduate Seminar (1-3 credits). The preparation and presentation of oral and written reports on topics in earth science and/or science education. Presentation of oral reports may be in the form of a debate. Preparation of visual aids and geologic illustrations will be emphasized. Prerequisite: Admission to candidacy or consent of the instructor.

GG GEOGRAPHY

Lower Division

101 Introduction to Geography (3 credits). A comprehensive survey of various environments of the world in study of world patterns and maps 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.

102 Cultural Geography (3 credits). Cultural Geography is a study of the distribution and character of man's cultural activities throughout the world. These activities will be viewed in two respects: 1. How culture affects the physical world. 2. How the physical world affects culture. Lectures, slides, motion pictures and guest speakers, along with appropriate readings, will comprise the course. Prerequisite: Intro to Geography or consent of instructor.

201 The Use and Interpretation of Maps and Globes (3 credits). The course consists in the intensive use and interpretation of maps and globes. The intent is to familiarize students with the great variety of maps and globes available and the particular advantages and disadvantages of each in particular situations. It is aimed at anyone who might need to use maps and globes, such as teachers and history, geography and archaeology majors. The course is non-technical, in that little math is required. Course materials consist of texts, slides, motion pictures, as well as maps and globes. Prerequisite: consent of the instructor.

221 Geography of Idaho and the Pacific Northwest (3 credits). The course deals with the physical and cultural geography of the Pacific Northwest, with particular emphasis on Idaho. Stress is placed on the continuing physical, biological, social, political and economic changes the region is undergoing; in addition, the role of the Pacific Northwest in relation to the rest of the United States is studied. Sources of information available to the student include textbooks, readings from professional journals, the Idaho Historical Society, and slides, motion pictures and writings of area researchers.

231 Comparative Geography of Canada and Latin America (3 credits). The course is a comparative study of the natural and cultural geographies of Canada and Latin America. Comparisons and contrasts will be made between the resources, environments, peoples and potential of each region. Their relationships with the United States and the other countries of the world will also be explored. Films, slides, and guest speakers—along with appropriate texts—will be used. Prerequisite: Intro to Geography or consent of instructor.

241 Comparative Geography of Africa and the Far East (3 credits). A study of the physical and cultural geography of Africa and the Far East; emphasis on their relationships and changes within the regions. Lectures include topics such as the African landscapes, flora and fauna, peoples and geographic problems. Slide presentations, overhead transparencies, motion pictures, current events and national and international speculations, as available, are resources for the course. Prerequisite: Intro to Geography or consent of instructor.

Upper Division

301 Historical Geography of the United States (3 credits). Historical Geography is the study of the past geography of various places or regions. The course graphically reveals the constant theme of change inherent in both history and geography. Students will explore the dynamics of geographic change, the historical geography of particular periods of the earth, and the effects of past geographical circumstances on present geography. The course uses both geographical and historical resources, including those written by professional historical geographers. Prerequisite: GG-102 or consent of instructor.

311 World Economic Geography (3 credits). Economic Geography is the study of the areal distribution and variation of resources and man's activity related to producing, exchanging and consuming commodities and products. Economic activities and materials are studied within the context of where they are located, descriptions of what their characteristics are, and what national and international phenomena they are related. Prerequisite: GG-101 or consent of instructor.

321 Conservation of Natural Resources (3 credits). Resource conservation is a course aimed at developing the student's awareness of resources use and conservation. The course has five major thrusts: 1) a perspective on conservation, 2) character of land resources, 3) character of water resources, 4) role of mineral resources, 5) the demands of population on the resource base. These topics may be viewed as a single entity, or as they act in concert. Prerequisite: GG-101 or consent of the instructor.

GP GEOPHYSICS

Upper Division

301 Introduction to Geophysics (3 credits). The course is a survey of surface and borehole-based geophysical methods. It will include a general survey of the elementary theory, basic field practices, computer 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 groundwater geology will be stressed. Spring semester. Prerequisite: Physics 220 and Geology 101 or consent of instructor.

325 Physics of the Earth (3 credits). The course will include a discussion of the earth's gravity, magnetism, electricity, seismicity, heat and radioactivity and the significance of these properties in understanding the complexities of the earth. Fall semester. Prerequisite: Physics 220 or consent of instructor.

451 Applied Geophysics I (5 credits). A detailed treatment of the application of geophysical methods used in petroleum and mineral exploration and geotechnical investigations. Practice in the field and lab studies will be conducted using geophysical instrumentation. Theory, data acquisition, data reduction and data interpretation will be emphasized. Four one-hour lectures and one three-hour lab. Fall semester. Prerequisites: GG-314, GP-301, Ph-220, 222, M-321

452 Applied Geophysics II (5 credits). A continuation of GP-451 with emphasis on field procedures, equipment array and geophysical surveying techniques. Four one-hour tec-
SCHOOL OF ARTS AND SCIENCES

tion. Students must have a minimum of 30 credits in the department’s subject matter plus two additional fields of study and teaching minors of 15 credits each chosen from other social science fields.

A. Lower Division courses:
1. U.S. History (HY 151, 152, or 251, 252) ............... 6
2. Western Civilization (HY 101, 102, 103 or 201, 202, 203) Any 6 credits ......................... 6
3. Study & Methods of Teaching History ............. 3
B. Other History Courses (minimum of 15 U.D. — 3 U.D. American History) .................. 18
To be chosen by student in consultation with advisor from two out of three of the department’s offerings (U.S., European, Third World).

C. Other Courses
At least 15 hours, of which 9 must be upper division, must be taken in each of two allied disciplines: Economics, Political Science, Anthropology, Sociology, Geography. These courses should be chosen by students in consultation with their advisor.

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 a department of History requires that at least 9 of the 15 history credits be upper division, and that courses be selected to complement their major.

IV. History Minor Option

1. Lower Division Courses ........................................ 12
U.S. History, (HY 151, 152, or 251, 252)
Western Civilization (HY 101, 102, 103, or 201, 202, 203)
2. Upper Division Courses ....................................... 12
To be chosen from two of the three major areas (U.S., Europe, Third World) offered by the department.

In addition to the above the State Department of Education may require additional courses for certification in the minor field.

*Language equivalency required by the History Department will be determined by the Department of Foreign Languages.

** Majors must have course work distributed between U.S., European and Third World history with at least 12 hours in one area and at least 6 hours in each of the other two.

MASTER OF ARTS, SECONDARY EDUCATION, HISTORY EMPHASIS

I. Admissions
See Part VIII Graduate School Information, page 138 in catalogue.

II. Program Requirements
The Master of Secondary Education with a History emphasis will consist of a minimum of thirty-three hours planned by the student and his/her advisory committee from the following alternatives.

A. 33 hour with thesis
1. Secondary Education Core ..................................... 6 hours
2. History Emphasis ................................................. 12 hours
3. Free Electives ...................................................... 9 hours
4. Thesis (defended orally) ........................................ 6 hours
5. Written exam on work taken in the History Department toward the degree

B. 33 hour with project
1. Secondary Education Core ..................................... 6 hours
2. History Emphasis ................................................. 15 hours
3. Free Electives ...................................................... 9 hours
4. Project ............................................................... 3 hours
5. Written or oral examination covering aspects of project and course work taken in the History Department toward the degree

C. 36 hour
1. Secondary Education Core ..................................... 6 hours
2. History Emphasis ................................................. 18 hours
3. Free Electives ...................................................... 12 hours
4. Written examination covering course work taken in the History Department toward the degree

III. Course Offerings

A. Required courses
1. HY 500 Historians and Historical Interpretation ..................................... 3 hours
2. HY 502 Teaching History in the Secondary Schools .................................... 3 hours
3. HY 510-11 History of Western Thought .................................................. 6 hours
4. HY 520 Sources of American Values .................................................... 3 hours
5. HY 580, 581 Seminar ................................................... 6 hours

B. Elective courses
Additional courses from History or allied fields as planned by the student and his/her graduate committee to meet program requirements.

C. Additional Information
1. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate history may apply to challenge, waive, or replace parts of the emphasis requirements.

2. Students electing a double emphasis will draw up their program in consultation with their committee.

3. A maximum of six hours in 400G History courses may be substituted for seminar work in the History offerings.

COURSES

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 world from the thirteenth to 1815; Third semester: The development of the 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-war world. Not open to students who have credit in HY 103. Prerequisite: Course in high school or consent of instructor. Either semester.

205 Lewis and Clark (2 credits). A survey of the "Corps of Discovery" from Wood River, Illinois, to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years. Spring semester.

210 Introduction to the Study of History (3 credits). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the application of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses. Either semester.

211 The Study and Methods of Teaching History (3 credits). An introduction to the study of history for those who plan to teach. The course explores the nature of the discipline, includes practical work in historical methods, and deals with particular problems of uniting teaching methodology with substantive historical knowledge. Required of all history majors—secondary education options, prior to taking upper division history courses. 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 the instructor. Spring semester.

261 History of Minorities in the United States (3 credits). This course focuses on the problems encountered by ethnic minorities in their quest for equal opportunity and equal rights in American society. Public opinion and the national response within the framework of American History will be emphasized. Current legislation, judiciary proceedings, and power movements also will be studied. Either semester.

268 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 Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participating in the tour.
SCHOOL OF ARTS AND SCIENCES

Upper Division

303 The Age of Absolutism and Reason (3 credits). A study of European thought in the seventeenth and eighteenth centuries, ideas of the Enlightenment and the crisis of the old regime leading to revolution. Prerequisite: HY 102. Suggested additional preparation: HY 101. Either semester, alternate years.

307 The German Renaissance (3 credits). The struggle for humanism 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. Either semester, alternate years.

308 France Since the Revolution (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 deGaule. HY 103 recommended. Either semester, alternate years.

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 Wycliff to the Council of Trent. Consideration will be given to religious policies and ecumenical efforts. HY 101 recommended. Either semester, alternate years.

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 1688. Second semester: Great Britain from the seventeenth century to the present. Either semester, alternate years.

313, 314 History of Russia (3 credits). First semester: Survey of the origins and development of the Russian 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, HY-313 recommended. Either semester, alternate years.

315, 318 History of the Far East (3 credits). First semester: Survey of the history of China, Japan, Korea and Viet Nam to ca. 1600, emphasizing their cultural development. Second semester: A study of the political and cultural transformation of East Asia as a result of its interaction with the West after 1600. Either semester, alternate years.

319 Ancient Greece (3 credits). A study of the ancient Greek world from the Ninoan thesocracy to the fifth century B.C. Social, economic, scientific, and political development. HY-101 or instructor's consent. Fall semester, alternate years.

320 Ancient Rome (3 credits). A survey of Rome from its earliest beginnings under Etruscan influence to the fall of the Roman Empire, and doing the required work. The course is open on an audit basis for other interested students.

321 Medieval Europe (3 credits). A study of the political, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special attention will be given to the Carolingian revolution, the development of feudalism, the development of cities, and the economic and cultural changes that accompanied the rise of towns. Either semester.

322 The Middle Ages (3 credits). A survey of the Middle Ages from the fall of the Roman Empire to the end of the early modern period. The course will be devoted to a study of the cultural, economic, social and political development of the period. Either semester, alternate years.

323 The Islamic Middle East (3 credits). A history of the people, institutions, and culture of the Near East from the beginnings of Moslem culture to the present, with emphasis on Islamic manpower policies and the impact of Islamic culture on the world scene. Either semester, alternate years.

324 United States Constitutional History (3 credits). A study of the 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 Watergate Crisis. Consideration is placed on the role of the Supreme Court. Prerequisite: HY 151, 152 or consent of instructor. Fall semester, alternate years.

325 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. Either semester, offered alternate years.

326 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.

327 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. Spring semester.

328 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. Either semester, alternate years.

329 Western America (3 credits). The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be on the migration of people in the Trans Mississippi West. Prerequisite: HY 151-152, offered alternate years.

330 Western America (3 credits). The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be on the migration of people in the Trans Mississippi West. Prerequisite: HY-151-152, offered alternate years.

331 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 the Indian-white contact in both the Colonial and the Federal Era, 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, alternate years.

332 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.

333 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.

334 Recent United States, 1917 to Present (3 credits). Versailles and post-war disillusionment and bust of the 20's; the Great Depression and the New Deal; foreign policy and interaction on the world scene; World War II and its aftermath. HY-152 recommended. Spring semester, alternate years.

335 The National Geographic (3 credits). The development of distinctive Spanish American societies through the merging of medieval Spanish with African and African cultures in South and Middle America, all within the framework of European political rivalries. The course includes the interdependence of the major wars of the early nineteenth century. Prerequisite: History 102, Fall semester, alternate years.

336 Spanish American Nations (3 credits). The struggle towards democracy, economic progress, and political stability in the Spanish American countries and the relationship of 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, alternate years.

337 The National Geographic (3 credits). A study of the political and cultural development of the Spanish American countries and the impact of European political and military developments, social and religious changes, outstanding personalities, and literary and artistic achievements. Prerequisites: HY-101 or instructor's consent. Fall semester, alternate years.

338 France Since the Revolution (3 credits). The French revolution, the Carthaginian empire, Feudalism, the Gregorian, the papacy, and the outstanding cultural achievements of the twelfth century renaissance. Prerequisite: HY-101, or instructor's consent. Fall semester, alternate years.

339 The National Geographic (3 credits). A study of the political, social, and economic development of Western Europe from the fourth to the fourteenth century. Special attention will be given to the religious wars, the Carolingian empire, Feudalism, the Gregorian, the papacy, and the outstanding cultural achievements of the twelfth century renaissance. Prerequisite: HY-101, or instructor's consent. Fall semester, alternate years.

340 The National Geographic (3 credits). A history of the people, institutions, and culture of the Near East from the beginnings of Moslem culture to the present, with emphasis on Islamic manpower policies and the impact of Islamic culture on the world scene. Either semester, alternate years.

341 The Islamic Middle East (3 credits). A history of the people, institutions, and culture of the Near East from the beginnings of Moslem culture to the present, with emphasis on Islamic manpower policies and the impact of Islamic culture on the world scene. Either semester, alternate years.

342 Medieval Europe (3 credits). A study of the political, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special attention will be given to the Carolingian revolution, the development of feudalism, the development of cities, and the economic and cultural changes that accompanied the rise of towns. Either semester.

343 The Middle Ages (3 credits). A survey of the Middle Ages from the fall of the Roman Empire to the end of the early modern period. The course will be devoted to a study of the cultural, economic, social and political development of the period. Either semester, alternate years.

344 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 social and cultural development in the United States. Either semester.

345 Idaho and the Pacific Northwest (3 credits). A study of the political, social, and economic development of Western Europe from the fourth to the fourteenth century. Special attention will be given to the religious wars, the Carolingian empire, Feudalism, the Gregorian, the papacy, and the outstanding cultural achievements of the twelfth century renaissance. Prerequisite: Upper Division standing. Fall semester, alternate years.

346 The National Geographic (3 credits). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emphasis on the enlightenment and continuance of the United States as a world power, and the impact of domestic developments upon the formation of the Republic. The course will be devoted to a study of the political, social, and economic development of the United States. Either semester, alternate years.

347 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 Watergate Crisis. Consideration is placed on the role of the Supreme Court. Prerequisite: HY 151, 152 or consent of instructor. Fall semester, alternate years.

348 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
SCHOOL OF ARTS AND SCIENCES

498 History Seminar (3 credits).

Graduate

501 History of Science (3 credits). This is a survey of man's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS Credit, but not for both.

500 Historians and Historical Interpretation (3 credits). An examination of the major historians and schools of historical interpretation from Classical Greece to the twentieth century. Discussion will be centered around the historical position of historians and their works as well as problems of historical knowledge and the interpretation of history. Taught by several members of the history staff, this course offers variety and interpretation from specialists in many different fields of history. Prerequisite: Admission to the graduate program or consent of the department chairman.

502 Teaching History in Secondary Schools (3 credits). An inquiry into the philosophy of history, a consideration of the relationship of the discipline to other social studies and other fields of knowledge, and a survey of various techniques available to teachers of history at the secondary school level. Prerequisite: Admission to the graduate program or permission of the department chairman.

510 History of Western Thought (3 credits). History of Western Thought beginning with the Ancient Near East to the Renaissance and Reformation. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or consent of the department chairman.

511 History of Western Thought (3 credits). History of Western Thought from 1500 to the present. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or consent of the department chairman.

520 Sources of American Values (3 credits). A study of the origins of American thought and culture. The Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and an exploration of American values on the eve of the Civil War. Laissez-faire capitalism and the reaction to industrialism follow. Students then examine the evolutionary (or revisionist) nature of a twentieth century topic of their choice. That is, the source of a contemporary political, economic, or social attitude or position. Prerequisite: Admission to the graduate program or consent of the department chairman.

521 Research and Thesis (6 credits). A study of the principal themes or problems within well-defined periods or particular fields of U.S. History. Emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to the graduate program or consent of the department chairman.

580 Graduate Seminar in U. S. History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of European history. Primary emphasis will be placed on reading, discussion, writing, and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to the graduate program or consent of the department chairman.

582 Graduate Seminar in Third World History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of Third World history. The Third World scope includes Latin America, Far East, Middle East and Africa. Primary emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to the graduate program or consent of the department chairman.

591 Project (3 credits).

593 Research and Thesis (6 credits).

598 History Seminar (3 credits).

DEPARTMENT OF HOME ECONOMICS

Chairman and Associate Professor: Dr. Leda S. Scrimsher; Associate Professor: Swain; Assistant Professor: Long; Instructor: Johnson; Special Lecturers: Centanni, Eyer, Nichols.

The objective of the department of home economics is to provide education 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 (we are waiting approval of a four year degree program)
B. Students from other disciplines who will benefit from courses in home economics.
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. Students will learn skills and values which will enable individuals and families to be more economical with resources available to them in our country today.

The courses of study described will contribute to the well-being of the individual, family and community and are not required to register for laboratory science.

HOME ECONOMICS CURRICULUM

FRESHMAN YEAR:

1ST SEM. 2ND SEM.

Laboratory Science ................................................................. 4 4
English Composition ............................................................. 3 3
Introduction to Home Economics ............................................. 1 —
Clothing .................................................................................. 2 —
Art ......................................................................................... 2 —
Tests ........................................................................................ 3 —
Physical Education Activities ................................................... 1 —
Clothing & the Individual ......................................................... 2 —
*Electives ................................................................................. 2 1

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SOPHOMORE YEAR:

1ST SEM. 2ND SEM.

House Planning ........................................................................... 3 —
Food & the Individual .............................................................. 4 —
Home Furnishings ..................................................................... 3 —
Nutrition ................................................................................... 3 —
Social Science (History, Political Science) ................................ 3 —
Microbiology ........................................................................... 3 —
Human Physiology and Anatomy ............................................. 4 —
Psychology ............................................................................... 3 —
Introduction to Sociology ......................................................... 3 —
* * Electives ................................................................................. 1 —

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COURSES

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.

102 Clothing Construction (3 credits). Designed for students interested in clothing construction involving basic, intermediate and advanced projects selected according to the students' creativity, ability, and interest. There will be emphasis on current speed techniques and solution of individual fitting problems. One hour lecture and two 3-hour laboratory periods each week. Each semester.

107 Clothing and The Individual (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 hours lecture per week. Each semester.

111 Fashion Analysis and Design (2 credits). A course designed for the study of fashion throughout history and its effect on today's fashions. A comprehensive study of design and its functional role; analysis of the figure and how to solve related problems through design, fabric selection and color. Contributions of fashion designers and opportunities in designing and related fields will also be studied. Two hours lecture each week. Fall semester.

203 House Planning (3 credits). Basic considerations in house planning for economy, comfort, convenience, and beauty. Evaluation of plan in relation to family needs, interior and exterior design, materials, financing and methods of construction. Housing in relation to the family and community. Three hours lecture each week. Spring semester.

100 History Seminar (3 credits).
DEPARTMENT OF MATHEMATICS

Chairman and Associate Professor: Dr. William P. Mech; Associate Chairman and Associate Professor: Dr. Daniel G. Lamet; Professors: Hughes, Jucla, Malof, Takeda; Associate Professors: Anderson, Ball, Ferguson, Furuyama, Kerr, Sulanke, Ward, Winans, Young; Assistant Professors: Eastman, Hausrath, Kenny, Smartt, J. Smith, Sugiyama.

The Department of Mathematics provides two bachelor’s 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 is so sequenced that it provides the student to teach mathematics in secondary schools and to meet Idaho teacher certification requirements. The master’s program is to provide advanced education for junior and senior high school mathematics teachers.

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 M206 or M212
   - M124 (Digital Computer Programming)
   - M225 (Applied Fortran Programming) or M226 (Assembler Language)

   Upper division mathematics: 27 or more credits
   - One or more of:
     - M301 Linear Algebra (4)
     - M302 Intro. to Abstract Algebra (3)
     - M306 Number Theory (3)
   - One or more of:
     - M314 Foundations of Analysis (3)
     - M406 Complex Variables (3)
   - One or more of:
     - M361 Fundamentals of Statistics (4)
     - M362 Probability Theory (4)
     - M431-432 Probability and Statistics (6)

   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.U. 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 M124, M226 and M451.

   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 M431 and M432.

   For students preparing for graduate work in a mathematical field, both M401-402 and M441-442 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 M206 or M212
   - M124 (Digital Computer Programming)
   - Upper division mathematics: M301 Linear Algebra (4)
   - M302 Intro. to Abstract Algebra (3)
   - M311 Foundations of Geometry (3)
   - M314 Foundations of Analysis (3) or M406 Complex Variables (3)
   - M361 Fundamentals of Statistics (4) or M362 Probability Theory (4)
   - M431-432 Probability and Statistics (6)
   - M490 Mathematics in Secondary Schools (3)
3. Electives (Recommended: M225, M226, M306, M312)
4. Education Requirements (See Part V) 20 credits
   - M490 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.

Secondary Education Degree

(Suggested Program)

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<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td><strong>FRESHMAN YEAR:</strong></td>
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<tr>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>Calculus M 204, 205 or M 211, 212</td>
<td>5</td>
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<tr>
<td>Degree Electives</td>
<td>8</td>
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<td>16</td>
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<td><strong>SOPHOMORE YEAR:</strong></td>
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<tr>
<td>Calculus M 206</td>
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<tr>
<td>Programming M 124</td>
<td>2</td>
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<tr>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>Foundations of Education</td>
<td>3</td>
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<tr>
<td>Linear Algebra M-301</td>
<td>4</td>
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<tr>
<td>Elective</td>
<td>9-13</td>
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MASTER'S IN SECONDARY EDUCATION WITH MATHEMATICS EMPHASIS*

A. The Masters of Secondary Education with a Mathematics emphasis may be obtained through any of the following three options.

1. The 30-hour "examination option"
   a) Secondary Education Core ................. 6 credits
   b) Mathematics sequence and math seminar .... 9 credits
   c) Mathematics electives ..................... 9 credits
   d) Free electives ................................ 6 credits
   e) A written examination over mathematics course work.
   f) An oral examination over all mathematics course included in the Master's program.

2. The 33-hour "project option"
   a) Secondary Education Core ................. 6 credits
   b) Mathematics sequence, math seminar and M591 ........................ 12 credits
   c) Mathematics electives ..................... 6 credits
   d) Free electives ................................ 9 credits
   e) A written examination over mathematics course work.

3. The 33-hour "thesis option" is the same as the "project option" except that M591 is replaced with M593.

B. Mathematics Requirements

1. Required Courses
   M 501, 502 Real Analysis I, II or M 541
   542 Modern Algebra ............................ 6 credits
   M 598 Seminar in Mathematics ................ 3 credits
   2. Elective Courses
   Additional courses as planned by the student and his graduate committee to meet program requirements.
   Additional Information
   1. Credit in Workshop (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the
312 Combinatorial Geometry (3 credits). Study of geometry of curves and surfaces in Euclidean spaces, maps, networks, and topological structures, plane and solid measures, and metric spaces. Prerequisite: M-205 or 212. Spring semester odd-numbered years.


323 Differential Equations (4 credits). Theory of ordinary differential equations with applications to physical sciences and engineering. Prerequisite: M-206 or 212. Fall semester.

340 Numerical Analysis (4 credits). The application of numerical methods to interpretation and analysis of special problems involving the 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.


362 Probability Theory (4 credits). The algebra of sets, set functions, probability functions, random variables, distributions, densities, generating functions, conditional probability. Markov's inequality, central limit theorem, strong and weak laws of large numbers. Prerequisite: One of M106, M205 or M212. Fall semester.

401-402 Advanced Calculus (3 credits). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformations, infinite series. Prerequisite: M-314. Sequence beginning each Fall.

406 Theory of Functions of a Complex Variable (3 credits). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M-206 or 212. Fall semester.

411 Introduction to Topology (3 credits). Sets, metric spaces, topological spaces, continuous mappings, connectedness, compactness. Prerequisite: M-314. Spring semester, even numbered years.


431-432 Probability and Statistics (3 credits). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M-206 or 212. Sequence beginning each Fall.

441-442 Abstract Algebra (3 credits each). Set theory, group theory, homomorphism theorems, Sylow theorem, ring theory, ideal theory, field theory, field extensions, Galois groups. Prerequisites: M-301, M-302. Sequence starts fall of even numbered years.

451 Basic Programming (4 credits). Introduction to machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M-226 and M-206 or M-212. Fall semester.

456 Linear Programming (4 credits). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M-301. Spring semester, odd numbered years.

490 Mathematics in Secondary Schools (3 credits). Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of Mathematics completed at, or above, the three hundred level. Fall semester.

Graduate


503 Algebraic Systems (3 credits). Number systems and other algebraic systems from a general point of view. The emphasis will be on the concept of algebraic structures. Prerequisite: M-104.

504 Geometric Concepts (3 credits). Informal geometry and topology. The emphasis will be on problem-solving techniques and pattern recognition. Prerequisite: M-104.

505 Foundations of Mathematics (3 credits). The axiomatic method and its role in modern mathematics; the role of the theories of sets and groups in the development of mathematics; mathematical induction. Prerequisite: consent of the instructor.

511 General Topology (3 credits). Sets, separation axioms, topologies, connectedness, compactness, generalized convergence, continuity, product spaces. Prerequisite: M-401 or M-501 or consent of instructor.

541-542 Abstract Algebra I, II (3 credits each). Mappings, the integers, groups, subgroups, morphism, rings, integral domains, polynomial rings, fields, field extensions. Prerequisites: M-301 and M-302 or consent of the instructor.

547 History of Mathematics (3 credits). The course is designed for mathematics teachers in the secondary schools. The course consists of two parts: the first part traces the development of algebra, geometry, analytic geometry and calculus to the 19th century; the second part gives a brief introduction to, and history of, some of the developments in mathematics during the last century. Prerequisite: consent of the instructor.

561 Mathematics for Operations Research (4 credits). An introduction to mathematical techniques commonly used to solve problems which call for a decision based on the analysis of several variables. Linear systems, linear programming with Simplex method, differential calculus, and integral calculus with emphasis on applications in management decision situations. Prerequisite: consent of instructor.

564 Mathematical Modeling (3 credits). A brief introduction to digital computer programming in ORTRAN OR BASIC. Difference equations, their solutions, stability, equilibrium values, and their use in computer simulation. Applications to demographics and economics. Prerequisite: Consent of instructor. Summer.

571 Mathematics Curriculum 7-12 (3 credits). A study of the history of the 7-12 mathematics curriculum, special problems, and trends in mathematics curriculum; organization of the curriculum; study of reports and recommendations; curriculum development projects. Prerequisite: one year's experience in teaching junior or senior high mathematics.

591 Project (3 to 6 credits). A "project" may include, but is not limited to, a library research paper, educational research, or written curriculum with teaching materials. Prerequisite: Admission to candidacy.

593 Thesis (3 to 6 credits). The scholarly pursuit of original work in mathematical research or the formulation of a new interpretation or novel exposition of extant mathematics. Prerequisite: admission to candidacy.

598 Seminar in Mathematics (3 credits). The content will vary within a format of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education. Each semester.

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SCHOOL OF ARTS AND SCIENCES

593 Thesis (3 to 6 credits). The scholarly pursuit of original work in mathematical research or the formulation of a new interpretation or novel exposition of extant mathematics. Prerequisite: admission to candidacy.

598 Seminar in Mathematics (3 credits). The content will vary within a format of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education. Each semester.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Chairman, Maj. Walther
Instructor: Sgt. Sutter

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

The objective of the senior division, Army ROTC, is to provide university students who have the essential qualities and attributes an opportunity to become commissioned officers in the United States Army. In addition, the senior division provides a major source of procurement for regular officers in the Regular Army. The procurement is accomplished through the recurring selection of a number of distinguished military graduates.

SCOPE OF INSTRUCTION

General. The complete course of instruction leading to a commission as a second lieutenant comprises four years and one summer camp, or two years and two summer camps. Training in military leadership is emphasized. Instruction is given in subjects common to all branches of the Army with stress placed on the following: Organization of the Army and ROTC, individual weapons and marksmanship, American military history, management, leadership, map and aerial photograph reading, U.S. Army and national security, military teaching principles, branches of the Army, tactics, communications, operations, logistics, administration, military law, and the role of the United States in world affairs.

Basic Course. The basic course consists of the first two years of military science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, by obtaining 90 military contact hours, or by academic course substitution. Veterans and some Reserve Component personnel are given military credit for the basic course.

Advanced Course. The advanced course includes two additional years of military Science and a six-week summer camp. The camp provides for practical application of instruction previously given. Admission to the advanced course is accomplished through concurrence of the president of the University and the chairman of the Department of Military Science.

REQUIREMENTS FOR ARMY COMMISSIONS

Applicants for admission to the advanced course must (1) have satisfied the requirements of the basic course, successfully completed the six-week summer basic camp or have completed 90 contact hours; (2) not have reached an age which will prevent appointment as a second lieutenant in the USAR upon graduation (the 28th birthday). In exceptional circumstances, the age requirement may be waived or a compression of military science courses may be authorized to permit qualification for appointment before the 28th birthday. Students seeking a commission in the Regular Army must com-
SCHOOL OF ARTS AND SCIENCES

complete the course and graduate before reaching age 27; (3) complete successfully such survey and general screening tests as may be prescribed; (4) be selected by the president of Boise State University or any other institution to which he may thereafter be admitted; (5) execute an individual contract with the government by which the student, in consideration of retainer pay at $100 a month for ten months each year, agrees to complete the advanced course at Boise State University or any other institution which he may thereafter be enrolled where such a course is given; (6) devote a minimum of five hours a week to the military training prescribed by the Secretary of the Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (this enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student); (9) agree to accept a commission if tendered; (10) serve on active duty as an officer for three years or three months as determined by the Department of the Army.

SCHOLARSHIP

Financial assistance for selected students is offered through 1, 2, 3, and 4-year scholarship programs paying for tuition, fees, books, and laboratory costs each year plus $100 a month retainer pay for ten months each year. Each student accepted for this assistance must serve four years of active duty after commissioning.

FINANCIAL ASSISTANCE

Each advanced course student receives subsistence pay of $100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows:

Basic Camp, $400 (approximately); regular camp, $500 (approximately); travel pay, $.08 per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty. Deserving and qualified students are tendered Regular Army appointments.

UNIFORMS

Basic and advanced course students will be provided uniforms, texts, and equipment. All such items of clothing and equipment are the property of the United States Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and cleanliness of the property issued to them.

COURSES

ML MILITARY SCIENCE

101 Introduction to Military Science (1 credit). This course is designed to provide an overview of ROTC to include its history, a synopsis of the organization of the United States Army and a general introduction to the principles of leadership. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

102 Introduction to Military Science (1 credit). This course is designed to provide an introduction to orienteering and land navigation, communication and small unit tactics. The laboratory consists of a practical participation in the application of leadership principles, through adventure training.

201 Introduction to Leadership (2 credits). This course is designed to prepare the student for the ROTC Advanced Course. The course presents an introduction to leadership and basic map reading/orienteering. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

202 Military History (2 credits). The course is designed to prepare the student for the ROTC Advanced Course and the profession of Arms. The course will enable the student to form general concepts of the evolutionary nature of warfare, identifying those elements of war which remain relatively constant and those that are modified by time and circumstance. The student will acquire a general knowledge and appreciation of the development of the American Military System and its leaders. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

301 Leadership and Management (3 credits). This course is designed to increase the student's poise and confidence as a military instructor and leader. It is further designed to provide information on the branches of the Army available for assignment; and to assist each student in making his/her selection during the senior year. The course will also prepare the student for participation in Advanced Camp. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

302 Basic Tactics (3 credits). This course is designed to prepare the student for ROTC Advanced Camp. Additionally, this course will continue to develop leadership abilities, promote confidence, and ready students for military service as commissioned officers. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

401 Advanced Tactics (3 credits). Prepares the prospective Army officer for initial Army assignment. Covers military staff organization and responsibilities; role of combat, combat support, and combat service support units in the Army; military intelligence, logistics, maintenance and supply; and an introduction to military justice.

402 Professional Preparation (3 credits). Prepares the prospective Army officer for initial Army assignment. Covers the position of the United States in the Contemporary world scene in light of its impact on the military services; obligation and responsibilities of an officer on active duty; and coordination and operations of the military team.

DEPARTMENT OF MUSIC

Chairman and Professor: Mr. Wilber D. Elliott; Associate Chairman and Associate Professor: Oakes; Professors: Best, Meyer, Taylor; Associate Professors: Baldwin, Cleaveland, Hsu, Shelton; Assistant Professors: J. W. Pratt, Hopper, Samball, Thomason; Instructors: Baldassarre, Blood; Special Lecturer: Stern (Conductor-in-Residence).

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, the three-manual Austin organ of 45 ranks and 54 registers, given to the University 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 Mass-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 BSU 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. Martinez
Marjorie Palmquist
Mr. and Mrs. Edward Utley
Mrs. Eli Weston

REQUIREMENTS FOR MUSIC MAJOR

BACHELOR OF ARTS PROGRAM

A. Completion of general college requirements for the Bachelor of Arts degree as found on page 23 of this catalog.

B. Minimum Music Requirements:

- Performance Studies
- Materials of Music I, II, III, IV
- Ear Training I, II, III, IV
- Music History/Literature Courses
- Ensemble
- Concert Class (each semester)
- Performance, Theory, Music Education, or General Music Electives
- Senior Recital or Senior Project

Total: 45 credits

*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 enrollment.

**An independent Study terminal project under faculty supervision and with the approval
5. All Bachelor of Music Majors are required to register for one of the 2. The Bachelor of Music Degree (Music Education Major) is de-

The Music Department will recognize as a minor in music (in conjunction with a major in a non-music area) a minimum of 20

2. 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 preprofessional degree.

2. All full-time students will be required to attend Concert Class during each semester of residency at Boise State University. (See course description for MA 010 for complete details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA-444, 445, or 446 recitals are exempt from faculty jury during the semester in which the recital is given.

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 MU 314 will meet level III requirements for Performance and Theory-Comp 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, totaling a minimum of 8 credits over a normal 4-year course of study, except that performance majors in Piano, Voice or Guitar will take only 6 credits of major ensembles. Piano performance majors will take 2 credits of accompanying (ME 180, 380) toward the required 6 credits. Guitar majors may take 2 credits of Guitar Ensemble (ME 167, 367) toward the required 6 credits. Other ensembles may be taken as electives in addition to the required major ensembles.

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

   - Concert Class (Attendance required each semester of residency—see MA D01 course description for details) ...
   - Materials of Music I, II, III, IV and Ear Training I, II, III, IV .......
   - Basic Conducting (L.D.) ..............................................................
   - Ensemble .................................................................
   - Elements of Form (Upper Division) ...........................................
   - Music History Courses (Upper Division—3 credits will count toward Area I Requirements; see page 16) ...........
     a. History and Lit. of 20th Century (MU 306) ..............
     b. Other Music History selected from MU 305, 307, 309, 310 ...

I. Performance Emphasis Requirements

   1. General University and Basic Core Requirements

   CREDITS

   1. General University and Basic Core Requirements

      (including 3 credits of Music History in Area I) ............

      2. Music Requirements:

         a. Music Core ...........................................................

         b. Lower Division Courses ........................................

            Performance Major Studies .............

            Performance Minor Studies (To be

            piano, unless major is a keyboard

            instrument) ........................................

         c. Upper Division Courses ........................................

            Performance Major Studies .............

            Advanced Form and Analysis ...........

            Band Arranging ........................................

            Choral and Instrumental Conducting ....

            Counterpoint ........................................

            Keyboard Harmony and Basic Improvisation ....

            Music Composition ........................................

            Senior Composition Recital or

            Music Seminar ........................................

         3. Electives (Any Area) ............................................

         Total: 128

   II. Theory-Composition 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.)

   1. General University and Basic Core Requirements

      (including 3 credits of Music History in Area I) ............

   2. Music Requirements:

         a. Music Core ...........................................................

         b. Lower Division Courses ........................................

            Performance Major Studies .............

            Functional Piano ........................................

            Instrumental Techniques & Methods ........

            Orientation to Music Ed ........................................

         c. Upper Division Courses ........................................

            Performance Major Studies .............

            Band & Orchestra Methods & Materials ....

            Band Arranging ........................................

            Choral and Instrumental Conducting ....

            Choral Methods and Materials ...........

            Teaching Music in the Elementary

            Classroom ........................................

            One-half Senior Recital ...........................................

         D. Education School Requirements ........................................

            (General Psych—Area II) ........................................

            Educational Psych—Area II) .....................

            Foundations of Education .............

            Secondary School Methods ................

            Practice Teaching ........................................

         E. Electives (Any Area) ............................................

         Total: 128
MASTER’S DEGREE IN SECONDARY EDUCATION*
MUSIC EMPHASIS

Admissions and Program
A. The Master's Degree in Secondary Education, Music Education emphasis, is designed to meet the needs of the practicing junior high or high school music specialist. While teaching experience is not necessary in order to begin work on this degree, any applicant for the degree must either be currently certified as a secondary school music specialist, or agree to begin the process toward attaining this certification while working on the degree. Before Advancement to Candidacy can be granted, the student must ordinarily show eligibility for certification by the State of Idaho (or any other State). 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 Music Department.

B. All regular and provisional graduate students will be required to take diagnostic examinations during the first part of their first semester in attendance. The purpose of these examinations is to determine the student’s strengths and weaknesses so that the student and his committee will be able to set up a program according to the student’s needs. The examinations will be in the areas of music education, music theory, music history, and performance. The results of these examinations will be interpreted by the Music Department Faculty. The student’s Advisor will consult with the student about action towards remedying any deficiencies. Any undergraduate course used to make up the deficiencies will not count toward the Master’s Degree. A student who has any deficiencies will be granted Provisional Status only, in the graduate program; when all deficiencies are removed, he may then seek Regular Status. A description of the material covered on these examinations is available from the Music Department.

Course Offerings*
A. Required Courses
a. MU-503 Introduction to Research Materials in Music Education (3 credits)
2. MU-570 New Development in Music Education (3 credits)
3. Culminating activity** or additional course work (3-6 credits)
4. TE-560 Secondary Education Core courses (6 credits)

B. Elective Courses
Additional courses as planned by the student and his graduate committee.

**The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

**A thesis or final project.

COURSES

MA MUSIC APPLIED—PERFORMANCE STUDIES

Major Area practice requirements:
For 4 hrs. credit—18 hrs. practice per week.
For 2 hrs. credit—12 hrs. practice per week.

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

1 Performance Emphasis Majors in Piano, Voice or Guitar will take 6 credits. Piano Majors will include 2 credits of accompanying.
2 Not required of Piano, Voice or Guitar Performance Emphasis Majors.
3 Required of Piano, Voice or Guitar Performance Emphasis Majors.

required. Participation in the concert-recital will not constitute attendance for meeting this requirement. Each semester. Prerequisite to all private lessons courses: Consent of Instructor.

Students planning to enroll in upper division performances 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 BSU 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) Each semester
172, 372 Violin (4 credits) Each semester
161, 361 Viola (2 credits) Each semester
162, 362 Viola (4 credits) Each semester
121, 321 Cello (2 credits) Each semester
122, 322 Cello (4 credits) Each semester
123, 323 String Bass (2 credits) Each semester
124, 324 String Bass (4 credits) Each semester

Guitar
125, 325 Guitar (2 credits) Each semester
126, 326 Guitar (4 credits) Each semester
127 Beginning Guitar Class (1 credit) This is a course in the technical fundamentals involved in playing the acoustic guitar for the beginner. Making use of popular and folk songs, the course is based on written notation and aural instruction, stressing chordal playing and correct posture and holding positions. Students are required to provide their own instrument. Meets twice a week. May be repeated once for credit. Each semester.
128 Intermediate Guitar Class (1 credit). A continuation of MA 127. Emphasis is given to understanding fret-board theory, reading musical notation for the guitar and solo playing. The concept of form levels is introduced and developed as it relates to upper position work. Students must provide their own instrument. Meets twice a week. May be repeated once for credit. Prerequisite: MA 127. Each semester. Prerequisite: MA 127 or permission of instructor. Each semester.
327 Advanced Guitar Class (2 credits). A study of musical and technical problems inherent in solo guitar playing. Chord construction and progression are studied in depth through intervalic analysis and functional harmonic relationships. Theoretical principals of guitar transcriptions are covered and improvisation is introduced. Meets three times a week. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 127 or permission of instructor. Either semester.
329 Jazz Guitar Class (1 credit). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1900's. Students must provide their own instrument. Meets twice a week. May be repeated once for credit. Prerequisite: MA 128 or permission of instructor. Either semester.

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

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

Organ
131, 331 Organ (2 credits) Each semester. Prerequisite: Level 3 Piano proficiency.
132, 332 Organ (4 credits) Each semester. Prerequisite: Level 3 Piano proficiency.

Percussion
141, 341 Percussion (2 credits) Each semester
142, 342 Percussion (4 credits) Each semester
SCHOOL OF ARTS AND SCIENCES

GRADUATE LEVEL PERFORMANCE STUDIES

Private lesson study in voice or on keyboard, string, wind or percussion instruments.

Students will be assigned on the basis of the audition. Performance, technical study, musical interpretation, literature and teaching technique will be addressed.

All MA-500 level courses are repeatable for credit to a maximum of 6 credits.

MA 580 Applied Brass ........................................ (2 credits)
MA 581 Applied Strings ........................................ (2 credits)
MA 582 Applied Keyboard........................................ (2 credits)
MA 583 Applied Percussion ...................................... (2 credits)
MA 584 Applied Voice ........................................... (2 credits)
MA 585 Applied Woodwinds .................................... (2 credits)

ME MUSIC, ENSEMBLE

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

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

105, 305 Master Singers (1 credit). Essentially a choir unaccompanied singing which is open to all college students. The Messengers is the concert-touring choirmen of the University. Concurrent enrollment in ME 105, 305 is prohibited. 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 the repertoire 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. Maximum enrollment in ME 110, 310 is prohibited. Prerequisite: Enrollment is by audition. Credit by consent of the Music Department approval. 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 repertoire knowledge of brass ensembles. Includes performance of music for 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.

130, 330 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 the repertoire, improvisation, ear training, and chord construction in jazz. A public performance will be required each semester. Prerequisite: Consent of instructor. Maximum credits: ME 130, and/or ME 330, 8 cr. Each semester.

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

131, 331 String Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of string ensembles. A public performance is required each semester. Maximum credits: ME 131, and/or ME 331, 8 cr. Prerequisite: Permission of instructor. Each semester.

137, 337 Vocal Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of vocal ensembles. A public performance is required each semester. Maximum credits: ME 137, and/or ME 337, 8 cr. Prerequisite: Permission of instructor. Each semester.

144, 344 Music Education-Bachelor of Arts Senior Recital (1 credit). A performancemajor or group of students will be formed, dependent on the group of students to be enrolled. An ensemble of various kinds will be given. Medieval, Renaissance, Baroque, Classic, Romantic and Contemporary music will be performed in groups of five or more. Each semester.

145, 345 Senior Recital (1 credit). A recital of music for voice or instrument which emphasizes the public performance of music written since the Baroque period. Each semester.

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

161, 361 Woodwind Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of woodwind ensembles. A public performance is required each semester. Maximum credits: ME 161, and/or ME 361, 8 cr. Each semester.

Graduate

510 Choral Ensemble (1 credit). A general chorus open to all interested students. The format of the class will be directly related to the size of enrollment; i.e., choir, chamber ensemble, or college/municipal group.

520 Instrumental Ensemble (1 credit). A performing group or groups will be formed, dependent on the size of the group, such as brass, woodwind, electric, or percussion. Opportunities to perform in a variety of places with a public performance of music representing various periods of music written since the Baroque period. Each semester.

180, 380 Voice Class (2 credits). Each semester. Maximum 2 credits allowed.

182, 382 Voice Class (4 credits). Each semester.

185, 385 String Class (2 credits). Each semester. Maximum 2 credits allowed.

190, 390 Piano Class (2 credits). Each semester. Maximum 2 credits allowed.

211-212 Ear Training I-II (1 credit). A course designed to correlate with Materials of Music I and II. Prerequisite: piano proficiency to play simple melodies and harmonies, and/or concurrent enrollment in piano study, or permission of the Instructor. Spring semester.

213 Functional Piano (2 credits). Class instruction for Music Education majors; designed to prepare students and experienced musicians of the community and prepare several centers each year from the senior solo recital and each semester. Prerequisite: Major in theory-composition major. Required of theory-composition majors. Prerequisite: Major in theory-composition and permission of supervising faculty member. Graduated Pass/Fail. Each semester.

144, 344 Senior Composition Recitals (2 credits). A recital of music for the senior composition major. Students must make their own arrangements and repertoire knowledge of all periods of the class will be directly related to the size of enrollment; i.e., choir, chamber ensemble, or college/municipal group.


160, 360 Senior Recital (2 credits). A recital of music for the senior recital. Prerequisite: Major in performance and permission of the student's supervising private teacher. Graded Pass/Fail. Each semester.

167, 367 Guitar Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of ensembles of various kinds including guitar(s). Prerequisite: Second year playing proficiency and permission of instructor. Maximum credits: ME 167 and/or ME 367, 8 cr. Each semester.

168, 368 Accompanying (1 credit). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique.

168, 368 Duo-Piano Ensemble (1 credit). A basic survey of duo-piano literature from the Baroque to the present. The student will be required to work with an ensemble of two pianists. A public performance of repertoire knowledge of various kinds will be given. Medieval, Renaissance, Baroque, Classic, Romantic and Contemporary music will be performed in groups of two or more. Public performance is required each semester. Graded Pass/Fail. Each semester.

211-212 Ear Training I-II (1 credit). A course designed to prepare students aspiring to be music majors but lack the necessary background.

119 Materials of Music I (3 credits). This course includes music fundamentals (notation, intervals, triads, scales and modes, key signatures); melodic cadences, aspects, with emphasis on aural and visual recognition, analysis and compositional skills involving the above. Prerequisite: piano proficiency to play simple melodies and harmonies, and/or concurrent enrollment in private voice study, or permission of the instructor. Fall semester.

120 Materials of Music II (3 credits). This course includes 4-voice textures (linear and vertical aspects); homophonic textures; diatonic chords and harmonic relationships; cadences, inversions, dominant sevenths and secondary dominants; a cursory survey of binary, ternary and through-composed forms, modulation and mutation. Emphasis is on aural and visual recognition and analysis, along with compositional skills involving the above. Prerequisite: MU 119 or equivalent competency and piano as per MU 119. Spring semester.

121-122 Ear Training I-II (1 credit). A course designed to correlate with Materials of Music I and II and which emphasizes aural skills in major and minor intervals and all intervals. The course includes drill in sight-singing and sight-singing leading to aural recognition of 3-part and 4-part harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Materials of Music I and II. Fall and spring semesters.

133 Introduction to Music III (3 credits). An elective course open to all students and fashion-minded people familiarize the listener with a variety of musical expression. The emphasis is laid upon the enjoyment of music through the understanding of rhythm and music. Each semester.

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, and filmstrips, and library resources of the history of opera from its origins to contemporary Modem Opera and Music Theatre compositions. Required of voice majors. Meets twice a week. Fall semester.

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: Materials of Music I MU 130. One year of piano study recommended prior to enrollment. May be repeated once for credit. Each semester.

219 Materials of Music III (3 credits). This course is a continuation of 4-part textures begun in MU 120. Includes diatonic sevenths, altered chords, the augmented sixth and Neapolitan chords; cadence firmus techniques; voice leading; improvisation and counterpoint; melodic composition;
SCHOOL OF ARTS AND SCIENCES

Skills involving the above. Prerequisite: MU 120 or equivalent competency and piano per MU 119. Fall semester.

220 Materials of Music IV (3 credits). This course includes introductions to invention and fugue with emphasis on Baroque and Classic forms of composition. Prerequisite: MU 120 or equivalent competency and piano per MU 119. Spring semester.

260 Preparatory Conducting (1 credit). An introductory course in understanding the various aspects of the musical process in the elementary and high school. Prerequisite: Basic Conducting MU 261. Fall-Spring semester.

261 Basic Conducting (1 credit). Fundamental techniques of conducting: baton fundamental, introductory rehearsal techniques, and simple score reading. Meets twice a week. Prerequisite: Materials of Music II MU 120 and Beginning Ear Training MU 122,121. 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. Lab period and one formal class period. Lab period will be variation 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 to Richard Strauss. The relationship of these works to parallel movements in literature and the other arts. Prerequisite: Materials of Music I MU 120, Fall semester.

308 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 atonistic and electronic music; consideration of jazz and other recent influences in American music. Prerequisite: Materials of Music I MU 120. Spring semester.

307 History and Literature of the Medieval and Renaissance Eras (3 credits). The analysis of the development of Western music from Greek times 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: Materials of Music II MU 120. Fall semester.

308 History and Literature of the Baroque Era (3 credits). The development of understanding, style and the politics of music through score reading and analysis and performance. Works from the Gabriels through Bach and Handel will be considered. Prerequisite: Materials of Music I MU 120. Either semester.

310 History and Literature of the Classical Era (3 credits). Works from the early classical school through Haydn and Mozart will be the basis of the course. Attention will be given to the evolution of classical forms through score reading, listening and analysis. Prerequisite: Materials of Music II MU 120. Spring semester. (Not offered 1975-76).

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 to be instructed in the basic materials for improvising on the piano and organ. Prerequisite: Materials of Music II MU 120, and Beginning Ear Training MU 121 and MU 122 for student majoring in piano or organ. For non-keyboard students, the student must have had one to two years of private instruction. Fall-Spring semester.

321-322 Conducting (1 credit each). A study of the 16th century composition techniques. The materials will be used and the student will write in three, four, and five parts, using the five classic species of counterpoint. It time permits the writing will be extended to include simple and repeated parts and will be based on the materials discussed. Prerequisite: Materials of Music II MU 120. 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 one act opera. Permission of instructor required for registration. For up to 8 credits. Each semester.

367 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.

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 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 the basic performing technique on these instruments. Fall semester.

368 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 the basic performing technique on these instruments. Fall semester.

371 Guitar for Classroom Teachers (2 credits). A course designed for teachers or prospective teachers in the Twentieth Century. This course will deal with the use of the guitar as a design situation. Emphasis is on an holistic approach with respect to choral accompaniment skills, elementary skills, elementary choral theory, melody playing, proper hand position and note reading. Much of the style will be used to teach or rehearse popular songs. Spring semester.


372 Teaching Music in the Elementary Classroom (2 credits). Designed for the music education major. This course will deal with curricular design situations. Emphasis is on an holistic approach with respect to choral accompaniment skills, elementary skills, elementary choral theory, melody playing, proper hand position and note reading. Much of the style will be used to teach or rehearse popular songs. Fall semester.

373 Teaching Music in the Elementary Classroom (2 credits). Designed for the music education major. This course will deal with curricular design situations. Emphasis is on an holistic approach with respect to choral accompaniment skills, elementary skills, elementary choral theory, melody playing, proper hand position and note reading. Much of the style will be used to teach or rehearse popular songs. Spring semester.

374 Teaching Music in the Secondary Classroom (2 credits). Designed for the music education major. This course will deal with curricular design situations. Emphasis is on an holistic approach with respect to choral accompaniment skills, elementary skills, elementary choral theory, melody playing, proper hand position and note reading. Much of the style will be used to teach or rehearse popular songs. Summer semester.

375 Listening and Singing Experiences for the Elementary School (3 credits). This course is designed to present in a variety of musically meaningful ways 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. Emphasis will be on 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, MU 371, experience in general or special classroom teaching, or consent of instructor, fall semester.

573 Advanced Methods and Techniques for the Instrumental Instructor (3 credits). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, rehearsal techniques, organization and repertoire planning.

574 Advanced Methods and Techniques for the Choral Instructor (3 credits). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, rehearsal techniques, organization and repertoire planning.

575 Administration of School Music (3 credits). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel, and philosophy.

591 Culminating Project (3 credits). A project may be defined as, but is not limited to any of the following:

A. A library research paper which fits the educational needs of the student.

B. A curricular proposal in written form which could be considered for implementation in the schools.

C. A lecture/recital with a written paper discussing aspects of music which is performed, stylistic considerations, etc.

D. A written examination on five questions chosen by the student's committee chairman from a list of twenty submitted by the student.

593 Thesis (6 credits). A scholarly paper embodying results of original research which are used to substantiate a specific view.

DEPARTMENT OF PHYSICS
ENGINEERING AND PHYSICAL SCIENCE

Chairman and Professor: Dr. Gary R. Newby; Professors: Dahm, Luke; Associate Professors: Allen Campbell, Hahn, Severance; Assistant Professors: Parks, Reimann, Smith.

ENGINEERING CURRICULUM

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 4½, 5 years or more to earn the degree. Therefore, a convenient option based on 3 years at BSU followed by 1½ 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 currucula are very similar all over the country and students can readily transfer to other engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than the University of Idaho to complete their degree.

COMMON FRESHMAN YEAR:

1ST SEM. 2ND SEM.
(All Engineering Majors)

English Composition (E 101-102) 3 3
College Chemistry (C 131-132-133) 4 3
Calculus and Analytic Geometry (M-204-205) 5 4
Engineering Fundamentals (EN 107-108) 2 2
Digital Computer Programming (EN 104) 2 1
Physics I (PH 220) — 3
Physical Education — 1
17 16

1ST SEM. 2ND SEM.

COMMON SOPHOMORE YEAR:

Physics II and III (PH 221-222) 3 3
Wave Motion and Heat Lab (PH 223) 1 —
Electricity and Magnetism Lab (PH 224) — 1
Engineering Mechanics (EN 205) — 3
Systems and Circuits I & II (EN 221, EN 223) 3 4
Calculus and Analytic Geometry (M 206) 4 —
Advanced Engineering Math (M 321) — 4
(Branch Variation—See Below) — 2-3
17 17-18

*Civil Engineers not required to take EN 223.
**During first semester, Chemical Engineers substitute C-217, Civil Engineers substitute EN 215.

Branch Variations:

Agricultural Engineering
Dynamics of Rigid Bodies (EN 205) 2
Civil Engineering
Dynamics of Rigid Bodies (EN 205) 2
Engineering Measurements (EN 216) 2
Elective (See Advisor) 3
7

Mechanical Engineering
Dynamics of Rigid Bodies (EN 206) 2
Chemical Engineering
Organic Chemistry (C 317) 3
Principles of Economics (EC 201) 3
6

Electrical Engineering
Engineering Science Elective 3

JUNIOR YEAR:

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

PHYSICS

The scope of the program will be applied. However, flexibility is to be maintained in order to direct the student toward his desired objectives. If the student is interested in going on into graduate physics, more math and some independent study in quantum physics would be recommended. Depending on the particular field of interest in physics, the student could select electives in biology, chemistry, math or geophysics.

Requirements for a Physics Major

1. Liberal Arts Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General University and Baccalaureate Degree Requirements</td>
<td>30</td>
</tr>
<tr>
<td>2. Major Requirements</td>
<td>58</td>
</tr>
<tr>
<td>A. Physics*</td>
<td>46</td>
</tr>
<tr>
<td>Physics I-II, PH 220, 221, &amp; 222</td>
<td>9</td>
</tr>
<tr>
<td>Physics Lab I &amp; II, PN 223, 224</td>
<td>2</td>
</tr>
<tr>
<td>Electronics Lab, PH 301</td>
<td>3</td>
</tr>
<tr>
<td>Transducers, PH 304</td>
<td>2</td>
</tr>
<tr>
<td>Lab Microprocessor Applications, PH 307</td>
<td>3</td>
</tr>
<tr>
<td>Modern Physics, PH 311, 312</td>
<td>6</td>
</tr>
<tr>
<td>Mechanics, PH 341</td>
<td>4</td>
</tr>
<tr>
<td>Electricity &amp; Magnetism, PH 381, 382</td>
<td>6</td>
</tr>
<tr>
<td>Advanced Topics, PH 422</td>
<td>3</td>
</tr>
</tbody>
</table>

69
### School of Arts and Sciences

**II. Secondary Option Credits**

1. **General College Requirements**  
   - 30 Credits

2. **Major Requirements**  
   - **A. Physics**
     - Physics I, II, III  
     - Physics Lab I & II  
     - Intro to Descriptive Astronomy  
     - Modern Physics  
     - 58 Credits

   - **B. Engineering**
     - Computer Programming, EN 104, 225  
     - Systems & Circuits I & II, EN 221, 223  
     - Thermodynamics, M 340  
     - 14 Credits

   - **C. Math**
     - Calculus I, II, III, M 204, 205, 206  
     - Differential Equations, M 331  
     - Numerical Analysis, M 340  
     - 21 Credits

   - **D. Chemistry**
     - Modern Physics  
     - 6 Credits

   - **Senior Lab, PH 481**  
     - 3 Credits

   - **Seminar, PH 499**  
     - 1 Credit

   - **E. Recommended Electives**
     - 8 Credits

   - **With consent of advisor and chairmen, substitutions can be made for not more than 6 hours of the above from the area of biology, chemistry, math, engineering or geophysics.**

#### Suggested Program for a Bachelor of Science Degree in Physics

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 101, 102 English Comp.</td>
<td>3</td>
</tr>
<tr>
<td>M 111 Algebra &amp; Trigonometry</td>
<td>5</td>
</tr>
<tr>
<td>M 204 Calculus and Analy. Geom.</td>
<td>5</td>
</tr>
<tr>
<td>EN 101 Technical Drawing</td>
<td>2</td>
</tr>
<tr>
<td>PO 102 State &amp; Local Gov.</td>
<td>3</td>
</tr>
<tr>
<td>Area 1 Elective</td>
<td>3</td>
</tr>
<tr>
<td>EN 104 Digital Comp. Prog.</td>
<td>2</td>
</tr>
<tr>
<td>Area 2 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area 3 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

### Construction Management

**Bachelor of Science Requirements**

This program is offered for the first time in the 1977 Fall semester. The upper division Construction Management courses (designated as CC) will be offered, subject to funding, beginning in Fall 1979. Excluding the 2 Econ. Courses, no more than 36 hrs. may be taken from School of Business courses.

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>E 101, 102 English Comp.</td>
<td>3</td>
</tr>
<tr>
<td>M 205 Calculus &amp; Analy. Geom.</td>
<td>3</td>
</tr>
<tr>
<td>PH 220 Physics I—Mechanics</td>
<td>2</td>
</tr>
<tr>
<td>EC 201 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>AC 205 Intro. to Financial Acct.</td>
<td>3</td>
</tr>
<tr>
<td>GB 202 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>EN 205 Intro. to Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PH 222 Physics III—Elect. &amp; Mag.</td>
<td>3</td>
</tr>
<tr>
<td>EC 202 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>AC 206 Intro. to Managerial Acct.</td>
<td>3</td>
</tr>
<tr>
<td>GB 207 Statistical Tech. for Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>EN 241 Surveying</td>
<td>3</td>
</tr>
<tr>
<td>Area 1 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area 2 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

###优化的课程安排(Recommended Electives)

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 205 Calculus &amp; Analy. Geom.</td>
<td>3</td>
</tr>
<tr>
<td>PH 220 Physics I—Mechanics</td>
<td>2</td>
</tr>
<tr>
<td>EC 201 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>AC 205 Intro. to Financial Acct.</td>
<td>3</td>
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<tr>
<td>GB 202 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>EN 205 Intro. to Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PH 222 Physics III—Elect. &amp; Mag.</td>
<td>3</td>
</tr>
<tr>
<td>EC 202 Principles of Economics</td>
<td>3</td>
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<tr>
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<td>3</td>
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<td>3</td>
</tr>
<tr>
<td>Area 1 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area 2 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 215 Basic Surveying</td>
<td>2</td>
</tr>
<tr>
<td>CO 346 Contacts, Plans, Specifications</td>
<td>3</td>
</tr>
<tr>
<td>AC 351 Cost Acct.</td>
<td>3</td>
</tr>
<tr>
<td>MG 301 Principles of Manag.</td>
<td>3</td>
</tr>
<tr>
<td>Area 1 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area 2 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area 3 Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 301 Basic Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>CO 374 Construction Operation</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>
and how it has been put to use is developed to promote a better understanding of our pres-
struction planning, scheduling and management techniques. Prerequisites: EN 104 and CO 417 Project Scheduling and Control (3 credits). Critical path method (CPM) as a con-
or mathematics majors to introduce fortran programming principles and logic. Consideration
those with little or no high school or work experience background in this area. Covers lener-
EN ENGINEERING
building materials, equipment, methods of construction, construction safety. Prerequisite:
216 Engineering Measurements (2 credits). Advanced topics in surveying plus theory and
sampling. Three lecture and one 2-hour laboratory. Several scheduled evening viewing
sessions and planetarium visits are required. A one-semester course for non-science ma-
jors. Spring semester.
109 Introduction to Computers (4 credits). (Crosslist-M 109).Designed for non-science
students who should gain an appreciation for the basic ideas in physics and how these ideas have
contributed to the development of western culture by their influence on philosophy, religion
and technology. Three lectures and one laboratory experiment per week. Spring semester.
101-102 General Physics (4 credits). Mechanics, sound, heat, light, magnetism, and elec-
tricity. 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-med students.
Three lectures and one 3-hour laboratory per week. Prerequisite: Algebra and Trigo-
nometry or acceptable score on ACT Mathematics Subscore. Each semester.
103 Radiological Physics (2 credits). An introduction to electrical, atomic, and nuclear
physics is presented in a review of fundamental physical science. Fall semester.
104 Radiological Physics (3 credits). An application of electrical, atomic and nuclear phys-
ics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereo-
radiography, body section, radiography, therapeutic radiology and nuclear medicine. Prerequi-
site: PH 103. Two lectures and one 2-hour laboratory per week. Spring semester.
105 Introduction to Descriptive Astroonomy (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. Several scheduled evening viewing sessions
and planetarium visits are required. A one-semester course for non-science majors. Spring
semester.
106 Introduction to Biophysics (4 credits). Course relating physical principles to biologi-
cal 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 one 3-hour lab. Prerequi-
site: It is recommended that the students have taken Math 111 or 115 or its equivalent.
220 Physics II—Mechanics (3 credits). Kinematics, dynamics of particles, momentum,
work, energy, rotational motion and vibratory motion. Three 1-hour lectures and one 1-
hour recitation per week. Prerequisite: M 112. Must be taken concurrently with M 205.
Either semester.
221 Physics II—Wave Motion and Heat (3 credits). Wave motion on strings, acoustical phononics,
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. Must be taken concurrently with PH 223.
Either semester.
222 Physics III—Electricity and Magnetism (3 credits). Coulomb’s Law, electric fields, elec-
tric potential, magnetic fields, magnetic induction and simple circuits. Three 1-hour lec-
tures and one 1-hour recitation per week. Prerequisite: PH 221. Fall semester.
223 Wave Motion and Heat Lab (1 credit). A lab designed to be taken concurrently with
PH 221. Basic experimental work on wave motion, sound, optics and heat. One 3-hour
lab per week. Prerequisite: PH 220 and concurrent enrollment in PH 221. Either sem-
ester.
224 (EN 244) Electricity and Magnetism Lab (1 credit). A lab designed to be taken concur-
rently with PH 222. Basic experiments in electricity, simple circuit analysis and instru-

SCHOOL OF ARTS AND SCIENCES
physics, chemistry, geology and mathematics. Prerequisite: EN 104 and M 205. Credit can-
not be obtained from both EN 225 and M 225. Fall semester.
Upper Division
301 Fluid Mechanics (3 credits). Physical properties of fluids: fluid mechanics and measure-
ments; 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.
308 Mechanics of Materials (3 credits). Elasticity, strength, and modes of failure of engi-
neering materials, theory of stress and strains for columns, beams and shafts. Three class
periods per week. Prerequisites: Intro to Mechanics EN 205 and Calculus M 206. Spring se-
semester.
320 Thermodynamics and Heat Transfer (3 credits). First and second laws of thermody-
namics, 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.
382 Engineering Economy (2 credits). Economic analysis and comparison of engineering
alternatives using factors of time, present worth, capitalized cost, and rate-of-return methods;
income tax considerations. Prerequisite: Junior standing. Spring semester.

PS PHYSICAL SCIENCE
Lower Division
100 Foundations of Physical Science (4 credits). Selected concepts of matter and energy that
are fundamental to our capabilities to control and adapt to our physical and biological environment.
A one-semester course for non-science majors. Three lectures and one laboratory experiment
per week. Each semester.
Graduate
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, energy, and astronomy. The course will be designed to be
understady. Three hour class during the course. Prerequisite: None.

PH PHYSICS
Lower Division
100 A Cultural Approach to Physics (4 credits). Designed for liberal arts students. Su-
Dinees should gain an appreciation for the basic ideas in physics and how these ideas have
contributed to the development of western culture by their influence on philosophy, religion
and technology. Three lectures and one laboratory experiment per week. Spring semester.
101-102 General Physics (4 credits). Mechanics, sound, heat, light, magnetism, and elec-
tricity. 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-med students.
Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigo-
nometry or acceptable score on ACT Mathematics Subscore. Each semester.
103 Radiological Physics (2 credits). An introduction to electrical, atomic, and nuclear
physics is presented in a review of fundamental physical science. Fall semester.
104 Radiological Physics (3 credits). An application of electrical, atomic and nuclear phys-
ics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereo-
radiography, body section, radiography, therapeutic radiology and nuclear medicine. Prerequi-
site: PH 103. Two lectures and one 2-hour laboratory per week. Spring semester.
105 Introduction to Descriptive Astroonomy (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. Several scheduled evening viewing sessions
and planetarium visits are required. A one-semester course for non-science majors. Spring
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106 Introduction to Biophysics (4 credits). Course relating physical principles to biologi-
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tures and one 1-hour recitation per week. Prerequisite: PH 221. Spring semester.
223 Wave Motion and Heat Lab (1 credit). A lab designed to be taken concurrently with
PH 221. Basic experimental work on wave motion, sound, optics and heat. One 3-hour
lab per week. Prerequisite: PH 220 and concurrent enrollment in PH 221. Either sem-
ster.
Universal Division

301 Electronics Lab (3 credits). Electrical measurements, power supplies, amplifier circuits, oscillators, servo systems, and electronic switching and timing. One 1-hour lecture and two 3-hour laboratory periods per week. Prerequisite PH 222 and PH 224. Fall semester.

304 Transducers (2 credits). A course designed to acquaint the student with some of the more common laboratory sensing devices which are used in converting non-electrical signals into electrical signals in order that measurements can be made. One 1-hour lecture and one 3-hour lab per week. Prerequisite PH 222. Fall semester.

307 Laboratory Microprocessor Applications (3 credits). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. Two 1-hour lectures and one 3-hour lab per week. Prerequisite: PH 222 or EN 223. Spring semester.

311-312 Modern Physics (3 credits). A brief introduction to the special theory of relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic and nuclear physics, and properties of matter. Three lectures per week. Prerequisite: PH 221, PH 222 C 132. Corequisite M 321 or M 331. Each semester.

331 Optics (4 credits). An upper division course stressing the applied facets of optics such as the use of various optical components for analysis and measurements in the visible region of the electromagnetic spectrum. Three 1-hour lectures and one 3-hour lab per week. Prerequisites: PH 221 and PH 222. Fall semester.

341 Mechanics (4 credits). An upper division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. Four 1-hour lectures per week. Prerequisite: M 340 and PH 220. Fall semester.

361-362 Electricity and Magnetism (3 credits). Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, magnetic materials, vector potentials, Maxwell's equations, and electromagnetic radiation. Three one-hour lectures per week. Prerequisites: PH 221, PH 222 and M 321 or M 331. Each semester.

472 Advanced Topics (3 credits). Selected topics from the major fields of physics such as Astrophysics, Nuclear, Solid State, Solar Applications, Biophysics, Medical Physics. Prerequisite: Upper division standing and consent of the instructor, and possibly specific courses depending on topic.

481 Senior Lab (3 credits). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. Two 3-hour labs per week. Prerequisite: PH 312. Fall semester.

482 Senior Project (1 or 2 credits). Elective. A sophisticated laboratory project in some area of physics. Prerequisite: PH 481. Spring semester.

499 Physics Seminar (1 credit). Individual reports on selected topics. Senior status.
Chairman and Professor: Dr. Williard M. Overgaard; Professors: Stiller, Donoghue; Assistant Professors: Brinton, Fry, Raymond, Schoedinger, Instructors: Moncrief, Kinney, Mabbutt; Assistant Professor Emeritus: Peterson; Special Lecturers: Kuykendall, Harbison.

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.

A Master's of Public Administration degree program is also offered 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:

- PO 101 American National Government 3 credits
- PO 141 Contemporary Political Ideologies 3 credits
- PO 229 Comparative European Governments and Politics 3 credits
- PO 231 International Relations 3 credits
- PO 498 Seminar (Scope and Methods of Political Science) 3 credits

The Seminar is not applicable to public administration area of emphasis.

At least 3 Semester credits in Western Political Theory required.

PO 422 strongly recommended for all students with a major program in Political Science.

The course requirements applicable to each of the four 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. Political Science Major Requirements (45 credits)

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

2. Upper Division Courses (33 credits)
   - PO 301 Parties, Electoral Process and Interest Groups 3 credits
   - PO 351 Constitutional Law 3 credits
   - PO 331 American Political Theory 3 credits
   - PO 441 Western Political Theory I 3 credits
   - PO 442 Western Political Theory II 3 credits
   - PO 451 Comparative Legal Systems 3 credits
   - PO 498 Senior Seminar (Scope and Methods of Political Science) 3 credits
   - Political Science electives 12 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)
   - PO 101 American National Government 3 credits
   - PO 102 State and Local Government 3 credits
   - PO 141 Contemporary Political Ideologies 3 credits
   - PO 221 Public Opinion and Voting Behavior 3 credits
   - PO 229 Comparative European Governments and Politics 3 credits
   - PO 231 International Relations 3 credits

2. Upper Division Courses (27 credits)
   - PO 301 American Parties and Interest Group Politics 3 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)

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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)

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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 matter plus two additional fields of study or teaching minors of 15 credits each chosen from the other social science fields.

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Plus upper division Political Science electives
15 Credit Hour Emphasis—9 credit hours required courses:

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Plus 3-6 hours of appropriate upper division Political Science courses to be worked out with advisor according to major field of emphasis
15

THE DEGREE OF MASTER OF PUBLIC ADMINISTRATION

Department of Political Science
The Master's degree in Public Administration is an inter-university cooperative graduate program offered jointly by Boise State University, Idaho State University, and the University of Idaho. The purpose of the program is to provide present and prospective public administrators with the basic intellectual preparation necessary to understand and to adjust to a changing and challenging environment through an introduction to the theories and practices of administration, management, and social science research as these relate to effective performance in public organizations. The MPA program is coordinated through an INTER-UNIVERSITY COMMITTEE comprised of the chairmen of the departments of political science or government at the cooperating universities, a representative of the Office of the State Board of Education, and a representative of cooperating government agencies. The essential features of this inter-university cooperative program are: (1) general coordination and policy control by the INTER-UNIVERSITY COMMITTEE; (2) unrestricted transferability of credits earned at any of the participating universities; (3) coordination among universities in scheduling and offering courses in the MPA program; and (4) the establishment of a basic core of courses at all three cooperating institutions plus optional areas of emphasis which may vary among the universities and which reflect the particular areas of specialization available at the respective universities.

The inter-university MPA program has been designed in accordance with the Guidelines and Standards for Professional Master's Degree Programs in Public Affairs and Public Administration prescribed through the National Association of Schools of Public Affairs and Administration (NASPAA).

Admission to the MPA Program

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Students may enroll in the MPA by applying to one of the participating universities. Acceptance by any of the three universities admits a student into the MPA program. A matriculated student should complete graduate studies at the institution which offers the area of specialization which he or she wishes to emphasize. The specific program which each student will pursue will be established by an advisory committee consisting of three faculty members, one of whom will be from a university other than that of the chairman of the student’s advisory committee. No specific undergraduate program is required in preparation for the MPA program. It is anticipated that students will come from widely differing academic preparations.

However, some coursework in humanities and social sciences (political science, sociology, economics and psychology) is essential to the foundation of the MPA program for all students; also a student must provide evidence of proficiency in skills of statistics, data processing, or accounting, either through undergraduate preparation or previous work experience. Deficiencies in these areas will be made up outside of the required curriculum. A student may be required to remove other deficiencies related to specified areas of emphasis in the MPA program, as determined by the Inter-University Committee.

**Specific Admission Requirements for Applicants to the MPA Program**

All applicants to the MPA program at Boise State University must meet the following requirements prior to enrollment in MPA courses:

A. Possession of a baccalaureate degree from an accredited institution.

B. Demonstration of satisfactory academic competency by attaining an overall GPA of 2.75 and recommendation for admission by the Department of Political Science. Students with a lower GPA may be admitted on provisional status on recommendation of the Department of Political Science with approval of the Graduate School. Final determination on the retention in the MPA program of a student with provisional status will be made after the completion of twelve (12) credits of approved study, with the general requirements of a grade of “B” or better in the course work taken.

C. Receipt of three letters of personal evaluation from individuals qualified to evaluate the applicant’s academic potential. Evaluators may include current or former employers, as well as professors. The letters are to be addressed as follows: Chairman, Department of Political Science, Boise State University, Boise, Idaho 83725.

D. Submittal of a brief statement by the applicant indicating his/her career objectives and the area of emphasis to be undertaken in the Master’s of Public Administration program.

E. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program).

   a. American National Government—3 semester credits
   b. State—Local Government—3 semester credits
   c. Introduction to Public Administration—3 credits
   d. At least three semester credits in each of two of the following areas:
      a. Sociology
      b. Economics
      c. Psychology
   e. At least three semester credits in one of the following areas:
      a. Accounting
      b. Data Processing
      c. Social Statistics
   f. For those students selecting “Human Services Administration” as their “area of emphasis” for specialized preparation in Public Administration, at least 9 semester credits in Sociology.
   g. For those students selecting “Criminal Justice Administration” as their “area of emphasis” for specialized preparation in public administration, at least 9 semester credits in Criminal Justice.

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Students who are deficient in any of the prerequisites indicated above must remove these deficiencies prior to enrollment in MPA graduate-level courses for credit.

The student may be required to remove other deficiencies as determined by the Inter-University Committee established for administrative coordination of the MPA program.

F. An applicant planning to achieve an MPA degree at Boise State University must be accepted by the Graduate School of Boise State University. (The student is advised to consult the appropriate section of the bulletin for any special requirement or conditions prescribed by the Graduate School.

**THE GRADUATE DEGREE PROGRAM**

The MPA degree may be achieved through the successful completion of at least 30 semester credit hours of approved course work plus 6 credits of public service internship. Eighteen credit hours must be completed in courses selected from prescribed “core areas.” With 12 additional credit hours completed in designated optional areas of emphasis. Students may follow a thesis or non-thesis option in pursuing the MPA. The thesis counts as 6 credits toward completion of the degree in lieu of course work selected from the student’s area of emphasis. All MPA candidates must complete final examinations. Those following the thesis option will complete an oral examination covering the thesis and program course work. The non-thesis option requires a written and oral examination over program course work.

The academic program of each student must be approved by the MPA advisory committee and must satisfy the general requirement of an integrated program designed to meet career objectives of the student in public administration.

**CORE AND OPTIONAL AREA REQUIREMENTS**

The specific course requirements of the MPA program are set forth in a list of courses which has been approved by the INTER-UNIVERSITY COMMITTEE. This list is available through each of the cooperating universities. Courses are available at each institution in the “core areas.” The optional “areas of emphasis” may vary among the universities according to the resources and competencies which exist in the respective departments. Moreover, the MPA ensures further development of “core areas” with an expansion of available courses as additional resources become available and the cooperative relationships among the three universities are further developed. The listing of “areas of emphasis” represents a collective enumeration of all optional areas which currently are available or are planned for future development at all of the cooperating universities. (A description of these areas of emphasis which are presently operational at each institution and admission forms to the MPA program are available through the chairman of the Department of Political Science at Boise State University, the chairman of the Government Department at Idaho State University, or the chairman of the Department of Political Science at the University of Idaho.)

“Core Area” Requirements: At least 18 semester credit hours of course work required on the designated “core areas” are to be selected in accordance with the following bases of selection:

1. At least one course selected from each of the following “core areas”:
   a. Administrative Theory, Organization and Behavior
   b. Public Management Techniques
   c. Public Policy and Policy Analysis

2. At least one course from each of two of the following “core areas”:
   a. Administrative Law
   b. The Executive and the Administrative Process
   c. Intergovernmental Relations
   d. Community and Regional Planning
   e. Comparative Public Administration and Planning Systems

3. A sixth course is to be selected also from any one of the eight “core areas” listed under items one and two above.
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Optional "Areas of Emphasis": At least 12 semester credit hours of course work are to be taken in any one of the following "areas of emphasis":

1. General Public Administration
2. Community, State and Regional Planning
3. Criminal Justice Administration
4. Public Health Administration
5. Public Finance, Budgeting, and Administrative Management
6. Environmental and Natural Resources Administration
7. Local Government Administration
8. Human Services Administration

Public Service Internship: Those students with no work experience in government are to be assigned as "public service interns." The internship is to be served in a government office at local, state, or federal levels, or in appropriate organizations which are concerned with governmental affairs, such as private foundations and community institutions. Credit provided for the internship shall be in addition to the 30 semester credit hours of course work required in the MPA program. The internship component will comprise 6 semester hours.

Courses offered at Boise State University for the designated "core areas" and the optional "areas of emphasis" in the MPA program

I. DESIGNATED CORE AREAS
   (Note: Selection of courses is to be made in consultation with the student's major professor in the preparation of a MPA Program Development Plan for each individual student.)

A. Administrative Theory, Organization, and Behavior
   PO 487 (G) ORGANIZATION THEORY AND BUREAUCRATIC STRUCTURE

B. Public Management Techniques
   PO 510 FISCAL PROCESSES AND PUBLIC BUDGETING PROCESS
   PO 511 PROGRAM EVALUATION AND QUANTITATIVE ANALYSIS
   MG 541 HUMAN RESOURCE MANAGEMENT
   DP 542 COMPUTER APPLICATIONS FOR MANAGEMENT

C. Public Policy and Policy Analysis
   PO 520 PUBLIC POLICY FORMULATION AND IMPLEMENTATION

D. Administrative Law
   PO 467 (G) ADMINISTRATIVE LAW

E. The Executive and the Administrative Process
   PO 530 THE ROLE OF THE EXECUTIVE IN POLICY MAKING

F. Intergovernmental Relations
   PO 469 (G) INTERGOVERNMENTAL RELATIONS

G. Community and Regional Planning
   (No course offering yet provided at BSU)

H. Comparative Public Administration and Planning Systems
   PO 465 (G) COMPARATIVE PUBLIC ADMINISTRATION

II. OPTIONAL "AREAS OF EMPHASIS"
   (Note: Some of the courses provided in designated "core areas" are also provided in designated "core areas," as shown above. In such cases, a course may satisfy a general core area requirement or a specific "area of emphasis" requirement in the MPA program but NOT both.)

A. General Public Administration
   This area of emphasis is provided to accommodate those students desiring preparation in public administration as a "generalist" rather than a "specialist" in a particular area of specialization. At Boise State University the student may select the remaining 12 credit hours of course work from the courses listed below.
   PO 465 (G) COMPARATIVE PUBLIC ADMINISTRATION
   PO 467 (G) ADMINISTRATIVE LAW
   PO 469 (G) INTERGOVERNMENTAL RELATIONS
   PO 511 PROGRAM EVALUATION AND QUANTITATIVE ANALYSIS
   PO 530 THE ROLE OF THE EXECUTIVE IN POLICY MAKING

Any of the following courses, identified as "selected topics," which will be offered as staff availability permits, may be selected also to satisfy the General Public Administration area of emphasis.
   PO 580 SELECTED TOPICS—Administrative Theory, Organization and Behavior
   PO 581 SELECTED TOPICS—Public Management Techniques
   PO 582 SELECTED TOPICS—Public Policy and Policy Analysis
   PO 583 SELECTED TOPICS—Administrative Law
   PO 584 SELECTED TOPICS—The Executive and the Administrative Process
   PO 585 SELECTED TOPICS—Intergovernmental Relations
   PO 586 SELECTED TOPICS—Community and Regional Planning
   PO 587 SELECTED TOPICS—Comparative Public Administration and Planning Systems

Arrangements may also be made in the following courses.
   PO 593 THESIS
   PO 595 READING AND CONFERENCE
   PO 596 DIRECTED RESEARCH
   PO 599 CONFERENCE/WORKSHOP

B. Community, State and Regional Planning
   (No course offering yet provided at BSU in the MPA program)

C. Criminal Justice Administration
   CR 510 SPECIAL PROBLEMS IN CORRECTIONAL TREATMENT
   CR 511 SPECIAL PROBLEMS OF THE JUVENILE AND YOUTHFUL OFFENDER
   CR 595 READING AND CONFERENCE
   CR 598 SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION

D. Public Health Administration
   (Planned, but no course offering yet provided at BSU in the MPA program)

E. Environmental and Natural Resources Administration
   (No course offering yet provided at BSU in the MPA program)

F. Local Government Administration
   (Planned for future implementation as an area of emphasis at BSU)

G. Public Finance, Budgeting, and Administrative Management
   (Planned for future implementation as an area of emphasis at BSU)

H. Human Services Administration
   SO 510 CONFLICT AND CHANGE IN SOCIO-CULTURAL SYSTEM
   SO 511 THE SOCIOLOGY OF AGE-GROUP STRATIFICATION
   SO 512 SOCIAL DEMOGRAPHY
   SO 580 SELECTED TOPICS—Human Services Administration
   SO 595 READING AND CONFERENCE

COURSES

PO POLITICAL SCIENCE

Lower Division

101 American National 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 Public Opinion and Voting Behavior (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. Prerequisite: PO 101 or PO 102. Spring semester.
229 Comparative European Governments and Politics (3 credits). A comparative study of the political systems of selected European nation-states, including Great Britain, France, the
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German Federal Republic, Italy and the Scandinavian states. The patterns of political culture, political interest, political power, and selection of governmental policy issues will be studied. 
Prerequisite: 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, decision-making mechanisms, and the resolution of international problems. 
Prerequisite: PO 101 or PO 102. Fall semester.

303 Introduction to Public Administration (3 credits). Theory, administrative organization, functions and problems of public governmental units. Prerequisite: PO 101. Each semester.


311 Comparative Foreign Policy (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: PO 101 or PO 231 or consent of instructor and approval of Department Chairman. Fall semester.

312 Legislative Behavior (3 credits). An analysis of the behavior of American state and national legislatures. Special consideration will be given to the impact of constitutions, parties, interest groups, interpersonnel relations, and other related factors upon legislators, and the role of the legislative process in the American political system. Prerequisite: PO 101. Spring semester.

320 American Political 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, alternate years.

324 Comparative Government and 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-State. Selected topics and problems relating to the political institutions and governmental process of the various Communist Party-State. Attention is given to the question of political theory and political determinants in the development of the Communist Party-State. Prerequisite: PO 101 or consent of instructor and approval of Department Chairman. Either semester, alternate years.

331 American Political Theory (3 credits). The genesis and development of political thought in the United States from the colonial period to the present. Fall semester.

333 Comparative Governments and Politics of Developing Nations (3 credits). A study of the political systems of selected nations in the developing areas of the world, including Latin America, Asia, Africa, and the United States. Special problems include political development and modernization in the nation's being analyzed. Prerequisite: PO 101 or consent of instructor and approval of Department Chairman. Either semester, alternate years.

335 United States Foreign Policy (3 credits). A study of the foreign policy of the United States from the French Revolution to the present. Attention is given to questions of political theory and determinants in the development of foreign policy. 
Prerequisite: PO 101. Each semester.

412 International Law (3 credits). Law of peace, international intercourse, war and the threat of war, pacific settlement, principles and practices of international law and their application to international affairs. Prerequisite: PO 303 (3 credits). Spring semester.

422 International Organization (3 credits). Historical background; the League; basic problems of international entities; the United Nations. Prerequisite: PO 101 and PO 231. Either semester, alternate years.

441 Part I: Western Political Theory (3 credits). The development of political philosophy from Socrates to Machiavel. Fall semester, alternate years.

442 Part II: Western Political Thought since Machiavel (3 credits). Prerequisite: PO 441. Spring semester, alternate years.

451 Comparative Legal Systems (3 credits). An examination of principal legal systems of the world, with emphasis on ideological foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. 
Prerequisites: PO 101, PO 141, and PO 290 or consent of instructor and approval of Department Chairman. Spring semester, alternate years.

46G Comparative Public Administration (3 credits). Systematic examination and comparison of the varied models and theories of administrative systems. The course will cover international and intergovernmental studies. (Students enrolled in this course for graduate-level credit will be assigned special requirements on preparation.) 
Prerequisite for undergraduate study: PO 290 or consent of instructor. 
Prerequisite for graduate study: PO 290 or consent of instructor.

46G Administrative Law (3 credits). Review of the sources of power and duties of administrative agencies. The regulations made by the agencies through investigation and hearings, as well as judicial decisions and precedents relating to administrative agencies. (Students enrolled in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for graduate study: PO 290 or consent of instructor. Each semester.

46G Intergovernmental Relations (3 credits). An examination of intergovernmental conflict and cooperation in the American Federal System, including state-local relationships and metropolitan governmental problems. 
Prerequisite: PO 303. Each semester.

524 Epistemology (3 credits). This course covers the theory of knowledge, including (a) an examination of the relationship of the difference of knowledge and belief, (b) an examination of the theories of perception and (c) theories of truth. Prerequisite: PO 101. Spring semester.

530 The Role of the Executive in Policy-Making (3 credits). A study of the American executive, including the president, the governor, and the mayor, with consideration given to changes in their institutional settings and role conceptions. An examination of the role of the executive in the policy-making process and the strategies used to enact their programs. The programs of the relationship of the executive to the bureaucracy will also be reviewed. Each semester.

The following courses identified as "selected topics" are to be offered as special lecture courses:


511 Program Evaluation and Government Analysis (3 credits). The application of social science research to administrative problems, including practical methods of gathering, analyzing, and interpreting data. Theory and basic techniques underlying quantitative analysis of public programs. Either semester.

520 Public Policy Formulation and Implementation (3 credits). The process of policy-making within an agency and within the larger context of the total governmental process, emphasizing policy and planning processes, policy implementation, and the role of administrators. Each semester.

530 The Role of the Executive in Policy-Making (3 credits). A study of the American executive, including the president, the governor, and the mayor, with consideration given to changes in their institutional settings and role conceptions. An examination of the role of the executive in the policy-making process and the strategies used to enact their programs. The programs of the relationship of the executive to the bureaucracy will also be reviewed. Each semester.

The following courses identified as "selected topics" are to be offered as special lecture courses:

560 Selected Topics—Administrative Theory, Organization, and Behavior (3 credits).

581 Selected Topics—Public Management Techniques (3 credits).

582 Selected Topics—Public Policy Analysis (3 credits).

583 Selected Topics—Administrative Law (3 credits).

584 Selected Topics—The Executive and the Administrative Process (3 credits).

585 Selected Topics—Intergovernmental Relations (3 credits).

586 Selected Topics—Community and Regional Planning (3 credits).

587 Selected Topics—Comparative Public Administration and Planning Systems (3 credits).

590 Public Service Internship (Variatre Credit). A public service internship is to be arranged, as held experience, for those students with no prior experience in governmental or other organizational assignments. Prerequisites: PO 101, 120, or consent of instructor. Either semester, alternate years.

595 Reading and Conference (1-2 credits). Directed reading on selected materials in public administration and discussion of these materials, as arranged and approved through major advisor.

596 Directed Research (1-3 credits). Special projects undertaken by the student as advanced tutorial study in specialized areas of governmental and administration interest, beyond the capabilities of any conventional course in the department. Prerequisite: Consent of instructor and approval of major advisor.

599 Conference Workshop (1 credit). Conferences or workshops covering various topics in public administration may be offered on an irregularly scheduled basis, according to student interest and staff availability. No more than 3 credits provided through conferences or workshops can be applied toward the MPA.

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. Prerequisite: PO 101. Fall semester.

121 Introduction to Logic (3 credits). Logic is the science of valid reasoning. To be studied are the natural rules of inference, the analysis 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.

245 Metaphysics (3 credits). As the core of philosophy, this course includes an examination of the (a) 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.

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

288 Ancient Philosophy (3 credits). A study of selected works of Plato and Aristotle. 
Prerequisite: PY 101. Fall semester.

295 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 eighteenth and nineteenth centuries. The age of absolutism, ideas of the philosophers and the rise 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. Offered 1975-76.
DEPARTMENT OF SOCIAL WORK

A Baccalaureate Degree Program in Social Work fully accredited by the Council on Social Work Education

Chairman Associate Professor: Douglas Yunker; Associate Professors: Huff, Oliver, Panitch; Special Lecturer: Moore.

Field Work Instructors: David Johnson, Idaho Youth Ranch; Arthur Dodson, Tom Wedeven, Casey Family Program; Arlene Warner, Idaho Office on Aging; David Stout, Region III Mental Health; Charles Hansen, Allen Jarrett, Patrece Moody, Barry Kurz, Veterans Administration Hospital; Jane Knowlton, Carol Skov, William Mandeloff, Region IV Child Protection Unit H&W; Jeanne Dunbar, El-Ada Community Action, Inc.; Ann Gossi, Information & Referral; Birgitta Burkhart, Child's Future Inc.

Social Work offers an opportunity for a personally rewarding professional career to those who care deeply about the well-being of others. Social workers give direct services to individuals, families, groups and communities. Qualified licensed social workers are in demand in every area of professional practice.

Social Work is usually practiced in social welfare agencies and in social work departments at host settings. Social workers are needed to work with mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped and economically and socially deprived children and adults. They are sought for service in schools, courts, hospitals and clinics that seek to detect and prevent delinquency and child neglect.

Community centers, psychiatric and general hospitals and service centers for the aged also seek qualified social workers and offer varied career opportunities. Equally challenging opportunities exist in public and private agencies that deal with problems of housing and urban renewal, public health, community mental health, social welfare planning and fund-raising, family relations and the many other concerns that become especially acute in changing neighborhoods of large cities and in depressed rural and industrial areas. Social work practice is designed to enrich the quality of life by enabling individuals, groups and communities to achieve their greatest potential development.

REQUIREMENTS FOR SOCIAL WORK MAJOR

Bachelor of Arts Program

<table>
<thead>
<tr>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>128</td>
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A. Lower Division Courses

<table>
<thead>
<tr>
<th>General University and Major Requirements</th>
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<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
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<tr>
<td>Literature</td>
<td>6</td>
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<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Symbol Science and/or Math</td>
<td>12</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Intro-Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>State and Local Government</td>
<td>3</td>
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<tr>
<td>Intro to Social Work</td>
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B. Upper Division Courses

<table>
<thead>
<tr>
<th>SOCIAL WORK</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Social Welfare</td>
<td>3</td>
</tr>
<tr>
<td>Normal Social Functioning</td>
<td>3</td>
</tr>
<tr>
<td>SW Methods-Casework</td>
<td>3</td>
</tr>
<tr>
<td>SW Methods-Groupwork</td>
<td>3</td>
</tr>
<tr>
<td>SW Methods-Community Organization</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Electives</td>
<td>3</td>
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<tr>
<td>Field Work</td>
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C. General Electives

<table>
<thead>
<tr>
<th>Lower &amp; Upper Division</th>
<th>28</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 202, AN 307, CM 351, CM 361, EC 210, EC 219, P 301, P 311, P 312, P 341, P 351, P 353, PO 301, PO 312, PO 320, PY 101, PY 121, PY 211, PY 231, S 101, S 102, SO 230, SO 311, SO 325, SO 351, SO 361, SO 402, SO 415, SO 417</td>
<td></td>
</tr>
</tbody>
</table>

DEPARTMENT OF SOCIETAL AND URBAN STUDIES

Chairman and Professor: Scheffer; Professors: Dormian, Scheffer; Associate Professors: Baker, Christensen, Harvey, Pavesic; Assistant Professors: Corbin, Cox, Hoppenbeck, Marsh, Taylor; Visiting Professor: Ames.
An interdisciplinary department representing two traditional social sciences: Anthropology and Sociology, and the relatively new field of Criminal Justice Administration. Courses are offered which lead to six degree programs:

**Criminal Justice Administration**

General University and core requirements to meet either Bachelor of Arts or Bachelor of Science program except:

A. Criminal Justice majors are required to take

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Defensive Tactics*</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of Speech—Communication</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications**</td>
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</table>

B. Major Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Division</td>
<td>18</td>
</tr>
<tr>
<td>Law Enforcement in Modern Society</td>
<td>3</td>
</tr>
<tr>
<td>Patrol Administration</td>
<td>3</td>
</tr>
<tr>
<td>Jail Administration</td>
<td>3</td>
</tr>
<tr>
<td>Law of Criminal Evidence</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>Vice and Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division</td>
<td>24</td>
</tr>
<tr>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>Police Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Law Enforcement Problems</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Law Enforcement</td>
<td></td>
</tr>
<tr>
<td>Administration, or Introduction to Criminalistics</td>
<td></td>
</tr>
<tr>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>Criminology</td>
<td>3</td>
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<tr>
<td>C. Electives</td>
<td>16-18</td>
</tr>
<tr>
<td>Upper Division Criminal Justice (Electives)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Note:** The following courses are strongly recommended: Judo, Self Defense

**Associate of Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Criminal Justice majors are required to take</td>
<td>38-41</td>
</tr>
<tr>
<td>Defensive Tactics*</td>
<td>1</td>
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<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>English Composition</td>
<td>3 or 6</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech—Communication</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
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<td>Applied Business Communications**</td>
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B. Major Requirements

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<td>3</td>
</tr>
<tr>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>C. Electives to bring total credits to</td>
<td>64</td>
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</table>

**Requirements for Social Science Major**

**Bachelor of Arts Program**

1. General College and Basic Core requirements:
2. Social Science requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Anthropology</td>
<td>21</td>
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<tr>
<td>Economics</td>
<td>3</td>
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<tr>
<td>Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Bachelor of Science Program**

1. General University and core requirements to meet either Bachelor of Arts or Bachelor of Science Program* as given on pages 23-25. Bachelor of Arts degree candidates are required to complete one year of a foreign language. Sociology courses may not be used to satisfy Area II requirements.

2. At least 78 credit hours in fields other than Sociology to be selected by the student in consultation with the student's Sociology faculty advisor.

3. At least 29 credit hours in Sociology including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Social Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Social Research</td>
<td>3</td>
</tr>
<tr>
<td>History of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Current Sociological Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Sociology Seminar</td>
<td>2</td>
</tr>
</tbody>
</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 of teaching minors of 15 credits each chosen from the other social science fields.

**Credit Hours**

1. General College and Basic Core requirements: 18-39
2. 2 approved teaching minors, 15 hours each (minors to be selected from the following field: Political Science, Anthropology, History, Geography, or Economics) 30
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 Secondary Education: 20
5. State requirements for teacher certification, including U.S. History: 6 hours American National Government 3 hours

**SCHOOL OF ARTS AND SCIENCES**

**Requirements for Social Science Major**

**Bachelor of Arts Program**

1. General College and Basic Core requirements:
2. Social Science requirements:

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
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<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
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<td>9</td>
</tr>
</tbody>
</table>

**Bachelor of Science Program**

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<tr>
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<td>3</td>
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<tr>
<td>Sociology Seminar</td>
<td>2</td>
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**Sociology—Social Science Secondary Education Option**

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**Credit Hours**

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2. 2 approved teaching minors, 15 hours each (minors to be selected from the following field: Political Science, Anthropology, History, Geography, or Economics) 30
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 Secondary Education: 20
5. State requirements for teacher certification, including U.S. History: 6 hours American National Government 3 hours

79
3. General Electives 29

Bachelor of Arts Program

1. General College Requirements ........................................ 51
2. Ethnic Studies Requirements
   a. Lower Division Courses ........................................ 15
      Introduction to Multi-Ethnic Studies ....................... 3
      Cultural Anthropology ....................................... 3
      Ethnic Literature courses ................................. 3
      Minorities in the United States History ................. 3
   b. Upper Division Courses ........................................ 3
      Racial and Cultural Minorities ............................ 3
   c. Elective Ethnic Courses ...................................... 30
      (List of approved course offerings available from Program Supervisors) 21
3. General Electives ................................................... 29

REQUIREMENTS FOR MULTI-ETHNIC STUDIES MINOR

Multi-Ethnic Studies Minor
   a. Requirements .................................................. 9
      Introduction to Multi-Ethnic Studies ....................... 3
      Minorities in United States History ..................... 3
      Ethnic Literature courses ................................. 3
   b. Elective Ethnic Courses ...................................... 12

   (List of approved course offerings available from Program Supervisors) 21

SCHOOL OF ARTS AND SCIENCES

Upper Division

303 Old World Prehistory (3 credits). Survey of cultural evolution. The course traces human development from the first known evidence of cultural behavior (ca two and half million years ago); the development of humans during the "Ice Age," the spread of humanity throughout the Old World, the domestication of plants and animals, and the rise of civilization. Prerequisite: AN 201 or 202 or 203, upper division status, or consent of instructor. Either semester.

307 Indians of North America (3 credits). A general survey with emphasis on the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.

311 Peoples and Cultures of the World (3 credits). The cultural patterns of representative aboriginal peoples. Technology, subsistence, social organization, and religion considered with a view toward environmental adjustment, historical development and functional interrelations. Prerequisite: AN 202, upper division status, 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 uniqueness of the recent tribal groupings and the relationship of past and present Idaho societies to those of the Great Basin, Intermountain Plateau and the Pacific Northwest. Prerequisites: AN 202, upper division status, or consent of instructor. Either semester.

412 Archaeology of North America (3 credits). A survey of prehistoric and historic 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 sociability on the continent. Special emphasis is given to the study of early men and the cultures of the Eastern Woodlands, the American Southwest and the intermountain West. Prerequisite: AN 203, upper division status, or consent of instructor. Either semester.

421 Theory and Method in Anthropology (3 credits). A survey of the philosophical and theoretical foundations of archaeological research. Includes the development in methodology and technical advances as applied to archaeological research. Prerequisite: AN 203, upper division status, or consent of instructor. Spring 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 relationship to society, general overview of the administration of justice. Each 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 misdemeanors, 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. 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 discovery and presentation 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


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. Prerequisite: CR 201, P 101 and SO 101. 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 of promoting effective and productive relationships in any interviewing situation. Prerequisite: CR 201, 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. Prerequisite: CR 201, fall semester.

382 Contemporary Correctional Theory and Practice (3 credits). (Crosslisted—SO 362). The historical development, processes, and methods of operating the adult correctional system will be discussed in this course. A detailed study will be made of the philosophy and development of treatment strategies in the institution and the community. Either semester.

380 Introduction to Criminalistics (3 credits). Introduction to theory and application of physical science to the field and laboratory investigation of crime. Applicable to both advanced field and laboratory techniques. Prerequisite: CR 231. (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: CR 201, 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 management.

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 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. Either semester.
sonal security, and legal and jurisdictional limitations. Prerequisite: CR 201, upper division.

CJA standing. Fall semester.

451 Comparative Law Enforcement Administration (3 credits). An analysis and compar-ison on law enforcement systems at the Federal, State, and local levels and international sys-
tems. Prerequisite: CR 201. (Alternate years). Spring semester.

*Non-majors by permission of instructor.

Graduate*

510 Special Problems in Correctional Treatment (3 credits). Analysis of contemporary problems in the understanding of programs of American society. 

511 Special Problems of the Juvenile and Young Offender (3 credits). Examination of current processes in juvenile justice, rehabilitation programs, probation and utilization of community-based resources. Emphasis will be placed on preventive/rehabilitative measures at the local level. 

580 Selected Topics—Criminal Justice Administration (3 credits)

590 Research and Conference (1-2 credits). Directed reading on selected materials in crime-
justice administration and discussion of these materials, as arranged and approved through major advisor.

598 Seminar in Criminal Justice Administration (2 credits). Intensive analysis of selected subject areas of the system of criminal justice administration. Prerequisite: CR 301. Either semester.

SO SOCIOLOGY

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.


230 Introduction to Mult-Ethnic Studies (3 credits). This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems, viz, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society’s institutional role in maintaining and perpetuating systemic inequality. Either 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 relation-
ships 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: Intro-

Upper Division

305 Racial and Cultural Minorities (3 credits). Analysis of inter-ethnic contacts. The develop-
ment of racial attitudes; theories relating to casual factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO 101 or General Psychology PS 101 and upper di-
vision status. Either semester.

310 Elementary Social Statistics (3 credits). The application of measurements to social re-
search 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 (2 credits). An introduction to the empirical basis of modern sociolog-
al methods and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO 101, Elementary Social Statistics SO 310 and upper division status. Spring semester.


325 Sociology of Aging (3 credits). Analysis of 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. Prerequisite: SO 101 and upper division status. 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 Soci-
ogy SO 101 and upper division status. Either semester.

351 Social Institutions (3 credits). Study of the basic institutions. An analysis of values, forms, and behavior organized around the important goals of society. Prerequisite: SO 101, and upper division status.

361 Industrial Sociology (3 credits). Study of the social organization of work in industrial society with attention to normal human relations and to the external relations in the commu-
nity and society. Prerequisite: SO 101 and upper division status. Either semester.

362 Contemporary Correctional Theory and Practice (3 credits). (Crosslisted—CR 361). The historical development, processes, and methods of operating the adult correctional system will be discussed in this course. A detailed study will be made of the philosophy and development of treatment strategies in the institution and the community.

401 Historical Sociology (3 credits). Major theoretical issues in contemporary sociolo-
gy; works of leading contemporary sociologists. Prerequisite: SO 101 and upper di-
vision status. Spring semester.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

403 Social Change (3 credits). This course will study the factors which give rise to and in-
fuence 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. Prereq-
quisite: SO 101 and upper division status. Offered alternate years. Either semester.

417 Criminology (3 credits). Sociological application 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 and upper division status. Either semester.

421 Social Stratification (3 credits). An examination of the theoretical and methodological ap-
proaches to the study of the wealth, prestige and power distribution of local and national stratication systems, implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: SO 101 and upper division status. Spring semester. Of-
fered alternate years.

424 Rural Sociology and the Emerging Nations (3 credits). The sociological study of rural life, the agrarian society and the phenomena of the emerging nations. Prerequisite: SO 101 and upper division status. Either semester. Offered alternate years.

425 The Urban Community (3 credits). An examination of the changing growth, demo-
graphic, stratification and institutional structure of urban communities, the causes of urban-
ization and its consequences for individual and group interaction. Prerequisite: SO 101, and upper division status. 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 lead-
ership on members of groups and organizations. This course may be taken for either Psych-
ology or Sociology credit, but not for both. Prerequisite: PS 101 or SO 101 upper division status. Either semester.

487 Organizational Theory and Bureaucratic Structure (3 credits). A socio-political analy-
sis of the theories and concepts of complex social organizations, their application to public administra-
tion and the interaction between political science and sociological organiza-
tional 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 pro-
gram in Political Science.) Prerequisite: Upper division standing and consent of the instruc-
tor. Either semester.

498 Sociology Seminar (2 credits). Intensive study of selected problems in sociology. Prereq-
quisite: Senior standing in Sociology major. Spring semester.

Graduate*

501 The Sociology of Education (3 credits). A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary times. Either semester.

510 Conflict and Change in Socio-Cultural Systems (3 credits). The theory and evidence of socio-cultural change, as viewed from sociological perspectives, demonstrating the evo-
olutionary and revolutionary trends, with focus on the interaction between technological, in-
istitutional and value systems as they affect human development and the provision of social services. Either semester.

511 The Sociology of Age Group Stratification (3 credits). Examination of the sociological effect of age as a major dimension of social organization and stratification in American soci-
ety and Western civilization. The course will consider the effects of changing patterns of lon-
gevity, resultant changes in age distribution of the population as these factors affect social, economic, and political systems. Either semester.

512 Social Demography (3 credits). Techniques and methods for analyzing population growth, trends, and movement as reflected in actuarial data, birth-death rate, mobility, fertili-
ty and fecundity as these affect the societal patterns, especially the planning for human service programs. Either semester.

580 Selected Topics—Human Services Administration (3 credits).

595 Reading and Conference (1-2 credits). Directed reading on selected materials in hu-
mans services administration and discussion of these materials, as arranged and approved through major advisor.

DEPARTMENT OF THEATRE ARTS

Chairman and Associate Professor: Dr. Robert E. Ericson; Professor: Shankweiler; Associate Professor: Lauterbach; Assistant Professors: Corbett, Heise; Instructor: 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 recommended by their advisor, (i.e., fencing, dance, gymnastics, etc.)

CREDITS

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.
MAJOR SUBJECT REQUIREMENTS

THEATRE:
- Introduction to Theatre: 3
- Technical Theatre: 8
- Acting (lower division): 3
- Stage Voice: 3
- World Drama: 6
- Directing: 3
- Theatre History: 6
- Contemporary Drama: 3

(Upper Division—21)

SECONDARY EDUCATION:
Departmental requirements for the Secondary Education Option are the same as regular theatre major plus:
- TA402 Directing
- E345 or 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:
- English Composition: 3
- Physical Education*: 3
- Laboratory Science: 4
- Introduction to Theatre*: 3
- Technical Theatre*: 4
- Art or Music: 3
- Introduction to use of Books & Libraries: 2

SOPHOMORE YEAR:
- Literature Elective*: 3
- Dramatic Literature*: 3
- Western Civilization*: 3
- Laboratory Science: 4
- Social Science Elective: 3
- Oral Interpretation: 3
- Acting*: 3
- Electives: 4

JUNIOR YEAR:
- Foreign Language: 4
- Stage Voice*: 3
- Shakespeare*: 3
- Speech for Teachers: 3
- Educational Psychology: 3
- Foundations of Education: 3
- Philosophy: 3
- World Drama*: 3

SENIOR YEAR:
- Directing*: 3
- Theatre History*: 3
- Secondary School Methods: 3
- Education Electives: 3
- Electives: 6

ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in the B.S.U. Bulletin under the English Department Heading.
Liberal Arts Option (beyond E-101 and E-102):
- Lower-division Literature: 9
- One of the following:
  - E-201, Expository Composition
  - E-205, Creative Writing, Poetry
  - E-206, Creative Writing, Fiction
- Upper-division electives, other than English Department drama courses: 6

*This requirement cannot be fulfilled by E-297, Special Topics courses.
COURSES

TA THEATRE ARTS

Lower Division

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

117-118 Technical Theatre (4 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 productions; development of drafting skills, problem solving in staging, and the rudiments of lighting and design. (Three hours of lecture plus four hours of lab per week) required, Fall, Spring semesters.

162 Stage Make-up (3 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 particular art. Practical application is emphasized. 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 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.

229 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. Selected motion pictures projected and discussed in class. Each semester.

230 Television: History and Aesthetics (3 credits). An examination of television as an entertainment medium from critical and historical points of view. Course includes a study of dramatic and comic types, the development of specialized programming, and the social and commercial influences on program content. Spring semester.

232, 432 Repertory Theatre (3 credits). The study and practice of theatre repertory with emphasis on rehearsal and production. Some arranged hours outside of the regularly scheduled class time. Maximum credits TA 232 and/or TA 432, 6 credits. Each semester.

233 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.

281 Puppetry (3 credits). An introduction to the art and craft of puppetry. Emphasis in the class will be on the actual construction of puppets and the creation of puppet plays.

287-298 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 of a selected script. Fall, Spring semesters in alternate years.

Upper Division

311 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. Alternates 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.

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 semester.

343 World Drama 1870 to 1960 (3 credits). Same as TA 341 except that the period covered is from 1870 to 1960. Alternate Fall semester.

351 Elements of Scene Design (3 credits). Major skills of beginning 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 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 semester.

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. Prerequisites: 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 of directing are presented. Prerequisite: Upper Division standing. Each semester.

SCHOOL OF ARTS AND SCIENCES

445 Contemporary Drama (3 credits). A study of world drama since 1960 with an emphasis on current research materials and techniques. Alternate Spring semesters.

491 Senior Projects (3 credits). A culminating work for the theatre major. The student will complete a 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.

TOTAL HOURS IN ENGLISH MINOR

24 hours

COURSES APPLIED TO

Both Disciplines

E-345, Shakespeare: Tragedies and Histories 3
E-346, Shakespeare: Comedies and Romances 3

TOTAL HOURS 6
PART V

SCHOOL OF BUSINESS

Dean: Thomas E. Sitzel, Ph.D.
Associate Dean and MBA Program Coordinator: J. G. Doss, Ph.D.

DEPARTMENTS AND FACULTY

Department of Accounting and Data Processing:
Chairman and Professor: Dr. Harold M. Nix; Associate Professors: Behling, Carson, Gillett, Hemingway, Jackson, Medlin, Merz, Puckett; Assistant Professors: Bradley, McMillan, Millier; Special Lecturer: Harvey.

Department of Business Education and Office Administration:
Chairman and Professor: Dr. Marvin A. Clark; Professor: Cornwell; Associate Professors: Bounds, Brender, Johnson, Manship, Williamson; Assistant Professor: Warberg; Instructors: Butler, Carlton.

Department of Economics:
Chairman and Associate Professor: Dr. Richard D. Payne; Professors: Billings, Lamborn; Associate Professors: Asmus, Draayer, Holley, Mitchell; Assistant Professors: Lichtenstein, Nickiess, Sula.

Department of Management and Finance:
Chairman and Associate Professor: Dr. Roger D. Roderick; Professors: Phillips, White; Associate Professors: Allen, Fitzpatrick, Gardner, Grant, Groebner, Kinslinger, Nix, Shannon, Tipton, Waldorf, Wilterding; Assistant Professors: Bohner, Gallup, Lyon, McKinnon, Munson; Instructor: Heist.

Department of Marketing and Mid-Management:
Chairman and Professor: Dr. Duston R. Scudder; Professors: Godfrey, Knowlton, Young; Associate Professors: Ackins, Lane, McWilliams.

School of Business Emeriti:
Albertson, Bushby, Edlefsen, Roe, Wilson

OBJECTIVES OF THE SCHOOL OF BUSINESS

The School of Business at Boise State University is a unique and evolving product of a rapidly growing and changing State of Idaho. The School’s overall purpose is to encourage individual students’ intellectual growth. Teaching is recognized as the major responsibility
SCHOOL OF BUSINESS

of the faculty. The nature of the University setting in the State capital city and population center, which does not offer community college opportunities, establishes special demands on the School to respond to community needs in addition to traditional University education. The overall goal of the School of Business is to offer a high quality program of education in business. Specific objectives are to:

1. prepare graduates for entrance level positions in
   a) management and functional areas of business
   b) specialized occupations, such as accounting, marketing, and office management
   c) business teaching
   d) positions requiring a two-year course of study, such as fashion merchandising, mid-management, and office occupations

2. prepare graduates for entrance into graduate schools

3. offer courses for non-business students to assist them in the assumption of their citizenship responsibilities and understanding of the free enterprise system

4. provide graduate courses leading to the MBA degree and others as developed to meet community needs

5. serve the non-student population of Idaho by offering management development programs and faculty expertise through applied research

It is our belief that these objectives can be accomplished by quality classroom teaching, research, seminars, informal discussions and community service. The people we serve should benefit both personally and professionally through contact with the School of Business, whether it is for a lecture, a semester, or a degree.

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 23-25 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 examination results are acceptable for this purpose. See page 10 for available CLEP tests.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Word Processing and Secretarial Programs 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 but 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 general, 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 most 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.
### INFORMATION SCIENCES MAJOR

**Bachelor of Business Administration Program**

#### FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition ..........................</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (Area III) ........................</td>
<td>4</td>
</tr>
<tr>
<td>Intro to Fin. Accounting (AC 203) .............</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting I .....................</td>
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<td>General Electives (Area I, II, or III) ........</td>
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<td><strong>Total Credits</strong> ................................</td>
<td>16</td>
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#### SOPHOMORE YEAR:

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<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Principles of Economics (Area II) ..........</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting II ...............</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing ..........</td>
<td>3</td>
</tr>
<tr>
<td>Programming Techniques ....................</td>
<td>—</td>
</tr>
<tr>
<td>Statistical Tech I ..........................</td>
<td>3</td>
</tr>
<tr>
<td>General Electives (Area I, II, or III) .....</td>
<td>4</td>
</tr>
<tr>
<td>Applied Bus. Communications ..............</td>
<td>—</td>
</tr>
<tr>
<td>Business Law I ................................</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong> ................................</td>
<td>16</td>
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#### JUNIOR YEAR:

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<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Cost Accounting ..................................</td>
<td>3</td>
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<tr>
<td>Managerial Accounting ......................</td>
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<tr>
<td>Statistical Tech II ..........................</td>
<td>3</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>
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<tr>
<td>Basic Marketing Management ................</td>
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<td><strong>Total Credits</strong> ................................</td>
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#### SENIOR YEAR:

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<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Intermediate Microeconomics ................</td>
<td>3</td>
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<tr>
<td>Human Resource Management ..................</td>
<td>3</td>
</tr>
<tr>
<td>Data Processing Applications ...............</td>
<td>3</td>
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<tr>
<td>Quantitative Analysis for Business Decisions</td>
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<td>Systems Analysis ................................</td>
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<td>Business Policies ............................</td>
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<tr>
<td>Economics Elective ..........................</td>
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<tr>
<td>General Elective (Area I, II, or III) .....</td>
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<td>Electives* ......................................</td>
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<tr>
<td><strong>Total Credits</strong> ................................</td>
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</tbody>
</table>

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*Credit by examination is available for any course in this program.*

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### BUSINESS EDUCATION MAJOR

#### Bachelor of Business Administration Program

- **Basic Business Option**
- **with Distributive Education Emphasis**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition ..........................</td>
<td>3</td>
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<tr>
<td>Applied Business Communication ..............</td>
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<tr>
<td><strong>Total Credits</strong> ................................</td>
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#### SOPHOMORE YEAR:

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<th>1ST SEM.</th>
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<tr>
<td>Intro. Financial Acct ........................</td>
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<tr>
<td>Intro. Managerial Acct ........................</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>Intermediate Typewriting* ....................</td>
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<td>Foundations of Education ....................</td>
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<tr>
<td>Statistical Tech I ...........................</td>
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<tr>
<td>Electives (from 2 of 3 areas) ................</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I ................................</td>
<td>3</td>
</tr>
<tr>
<td>Intro. to Data Processing ..................</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong> ................................</td>
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#### JUNIOR YEAR:

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<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Principles of Income Taxation ...............</td>
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<tr>
<td>Basic Marketing Management ..................</td>
<td>3</td>
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<tr>
<td>Secondary School Methods ....................</td>
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<tr>
<td>Principles of Management ...................</td>
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<tr>
<td>Money and Banking ................................</td>
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<td>Principles of Finance ........................</td>
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<tr>
<td>Technical Writing for Business .............</td>
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<td>Electives ......................................</td>
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<td>Office Management ............................</td>
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<td>Administrative Office Procedures ...........</td>
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<td>Electives (from 2 of 3 areas) ................</td>
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<td><strong>Total Credits</strong> ................................</td>
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#### SENIOR YEAR:

<table>
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<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>U.D. Economics ................................</td>
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<tr>
<td>Business Policies ................................</td>
<td>3</td>
</tr>
<tr>
<td>Methods in Business Education ...............</td>
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<tr>
<td>Business Curriculum and Methods ................</td>
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<td>Speech Communication for Teachers (Area II)</td>
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<tr>
<td>Educational Psychology ........................</td>
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<td>Business Student Teaching ...................</td>
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<td>Electives ......................................</td>
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<tr>
<td><strong>Total Credits</strong> ................................</td>
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*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typewriting at the Intermediate level or above are required.*

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### BUSINESS EDUCATION MAJOR

- **Basic Business Option**
- **with Distributive Education Emphasis**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tr>
<td>English Composition ..........................</td>
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<td>Applied Business Communication ..............</td>
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<td><strong>Total Credits</strong> ................................</td>
<td>87</td>
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</table>
BUSINESS EDUCATION MAJOR

Bachelor of Business Administration Program

FRESHMAN YEAR:

1ST SEM. | 2ND SEM.
---|---
English Composition | 3 | 3
*Beginning and Intermediate Typewriting | 2 | 3
Applied Business Communications | 3 | 3
General Psychology (Area II) | 4 | 3
Business Math/Machines | 3 | 3
Mathematics (Area III) | 4 | 3
Area I Electives | 3 | 3

15 | 15

SOPHOMORE YEAR:

1ST SEM. | 2ND SEM.
---|---
Introduction to Financial Accounting | 3 | 3
Introduction to Managerial Accounting | 3 | 3
Principles of Economics (Area II) | 3 | 3
Business Law I | 3 | 3
*Beginning and Intermediate Shorthand | 4 | 4
Foundations of Education | 3 | 3
Statistical Tech I | 3 | 3
Introduction to Data Processing | 3 | 3

16 | 16

JUNIOR YEAR:

1ST SEM. | 2ND SEM.
---|---
Basic Marketing Management | 3 | 3
Secondary School Methods | 3 | 3
Office Management | 3 | 3
Principles of Management | 3 | 3
Advanced Shorthand | 4 | 4
Administrative Office Procedures | 3 | 3
Principles of Finance | 10 | 3
Electives (from 2 of 3 areas) | 15 | 15

16 | 18

SENIOR YEAR:

1ST SEM. | 2ND SEM.
---|---
Methods in Business Education | 3 | 3
Business Curriculum and Methods Seminar | 3 | 3
Records Preparation and Management | 3 | 3
Speech Communication for Teachers (Area II) | 3 | 3
Educational Psychology | 3 | 3
Business Student Teaching | 6 | 6
Technical Writing for Business | 3 | 3
Business Policies | 3 | 3
Electives | 4 | 4

16 | 15

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typewriting at the intermediate level or above are required.

ECONOMICS MAJOR
Bachelor of Arts Program

FRESHMAN YEAR:

1ST SEM. | 2ND SEM.
---|---
English Composition | 3 | 3
Mathematics | 4 | 4
History | 3 | 3
Area II Electives (Other than Economics or History) | 3 | 3
Area I Elective (Field One) | 3 | 3
Area I Electives (Field Two)* | 3 | 3
Electives | 3 | 3

16 | 16

SOPHOMORE YEAR:

1ST SEM. | 2ND SEM.
---|---
Prin. of Economics, Macro | 3 | 3
Prin. of Economics, Micro | 3 | 3
Literature | 3 | 3
Area I Elective (Field Three)* | 3 | 3
Science | 4 | 4
Intro to Managerial Acct | 3 | 3
Intro to Data Processing | 3 | 3
Statistical Techniques I | 3 | 3
Statistical Techniques II | 3 | 3
Electives | 2 | 1

17 | 17

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typewriting at the intermediate level or above are required.
### ECONOMICS MAJOR

**Bachelor of Business Administration Degree**

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<td>Human Resource Management</td>
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<td>Business Policies</td>
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SCHOOL OF BUSINESS

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

The additional 5 credits may be selected from classes found on p. 106 of the Bulletin.

Student teaching, TE-481, for Economics and other Social Science majors will be conducted during the second 8 weeks of the first semester of the student's senior year. During the first 8 weeks of that semester the student may take several of the above required education courses in a Concentrated Course Block (CCB). See p. 107 of the BSU Bulletin. Students should plan to take several of their education courses at this time to ensure the most efficient use of their time.

6. Economics—15 credit hour emphasis
   EC 201 and 202—6 hrs.
   EC 303 and 305—6 hrs.
   Plus any 3 hours of upper division economics electives.
7. Sufficient electives to complete a total of 128 Credit Hours of which 40 must be upper division.

FINANCE MAJOR

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<td>General Psychology (Area II)</td>
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<td>Mathematics (M105, M106)</td>
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<td>Statistical Tech. for Decision Making II</td>
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<td>Intermediate Microeconomics</td>
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*Finance Electives
- Intermediate and/or Managerial and Cost Accounting
- International Economics
- Real Estate Finance
- Senior Seminar in Finance

GENERAL BUSINESS MAJOR

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 option in Public Relations 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 one area.

GENERAL BUSINESS MAJOR

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<tbody>
<tr>
<td>English Composition</td>
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<td>Gen. Psychology (Area II)</td>
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<td>Math (Area III)</td>
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<td>Introduction to Financial Accounting</td>
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<td>Applied Bus Communications</td>
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<tr>
<td>Statistical Tech. for Decision Making I</td>
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<td>Principles of Finance</td>
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<td>Intermediate Macroeconomics</td>
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## General Business Major
### Public Relations Option

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<td>Gen. Psych (Area II)</td>
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<td>Comparative Econ. Sys.</td>
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## Industrial Business Major
### Bachelor of Business Administration Program
#### Production Option

### Freshman Year:
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<td>Essentials of Chemistry (w/lab)</td>
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<td>Digital Computer Programming</td>
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<td>Physics I</td>
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### Sophomore Year:
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<td>Calculus &amp; Anal. Geometry</td>
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<td>General Psychology</td>
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<td>Intro to Financial Accounting</td>
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<tr>
<td>Intro to Managerial Accounting</td>
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<tr>
<td>Intro to Data Processing</td>
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<tr>
<td>Statistical Tech. for Decision Making I</td>
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<td>Applied Bus. Comm.</td>
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<td><strong>Total</strong></td>
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**SCHOOL OF BUSINESS**

### Freshman Year:
- Calculus & Anal. Geometry: 4 credits
- Statistical Tech. for Decision Making I: 3 credits
- Statistical Tech. for Decision Making II: 3 credits
- Introduction to Managerial Accounting: 3 credits
- Applied Business Communication: 3 credits
- General Psychology: 3 credits

### Sophomore Year:
- Principles of Economics: 3 credits
- Basic Marketing Management: 3 credits
- Introduction to Mechanics: 3 credits
- Quantitative Analysis: 3 credits
- Area I Elective: 3 credits
- Principles of Management: 3 credits
- Business Law I: 3 credits
- Intermediate Microeconomics: 3 credits

### Junior Year:
- Production Option Electives
  - Compensation Management: 3 credits
  - Intro to Electrical Engineering: 3 credits
  - Fluid Mechanics: 3 credits
  - Labor Relations: 3 credits
  - Labor Law: 3 credits
  - Thermodynamics and Heat Transfer: 3 credits
  - Mechanics of Materials: 3 credits

### Senior Year:
- Principles of Finance: 3 credits
- Operations Mgmt.: 3 credits
- Cost Accounting: 3 credits
- Decisions Anal.: 3 credits
- Mechanics of Material: 3 credits
- Intermediate Macroeconomics: 3 credits
- Electives*: 3 credits
- Bus. Ethics and Social Resp.: 3 credits
- Business Policies: 3 credits

*Production Option Electives

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**INDUSTRIAL BUSINESS MAJOR**
### Sales Option

### Freshman Year:
- English Composition: 3 credits
- Algebra, Trig., Calculus: 5 credits
- Essentials of Chemistry (w/lab): 4 credits
- Engineering Fundamentals: 2 credits
- Fund. of Speech-Communication (Area II): 3 credits
- Physics I: 3 credits

### Sophomore Year:
- Physics II & III: 3 credits
- Calculus & Anal. Geometry: 4 credits
- General Psychology: 3 credits
- Intro to Financial Accounting: 3 credits
- Intro to Managerial Accounting: 3 credits
- Intro to Data Processing: 3 credits
- Statistical Tech. for Decision Making I: 3 credits
- Applied Bus. Comm.: 3 credits
## SCHOOL OF BUSINESS

### JUNIOR YEAR:

<table>
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<tr>
<th>Course</th>
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<td>Introduction to Mechanics</td>
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<td>Business Law I</td>
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<td>Salesmanship</td>
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<td>Consumer Behavior</td>
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<td>Principles of Management</td>
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<tr>
<td>Area I Elective</td>
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<td>Principles of Finance</td>
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### SENIOR YEAR:

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<td>Sales Administration</td>
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### QUANTITATIVE OPTION

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### FRESHMAN YEAR:

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<td>(Area II)</td>
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<td>Gen’l Electives (Area I, II, III)</td>
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### SOPHOMORE YEAR:

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<tr>
<td>Introduction to Financial Accounting</td>
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<td>Introduction to Managerial Accounting</td>
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<tr>
<td>Applied Business Communications</td>
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<td>Statistical Tech. for Decision Making</td>
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<td>Intro. to Data Processing</td>
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<td>Business Law I</td>
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### JUNIOR YEAR:

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<tr>
<td>Basic Marketing Mgmt.</td>
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<tr>
<td>Principles of Finance</td>
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<td>Principles of Management</td>
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<td>Intermediate Microeconomics</td>
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<tr>
<td>Bus. Ethics, &amp; Soc. Resp.</td>
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### SENIOR YEAR:

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<td>Organizational Dynamics</td>
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<td>Human Resource Management</td>
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<td>Operations Mgmt.</td>
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<td>Business Policies</td>
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<td>Government and Business</td>
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<td>General Electives (DP-420 suggested)</td>
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<td>Introduction to Data Processing</td>
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<td>Science Elective</td>
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### SCHOOL OF BUSINESS

#### AVIATION OPTION

**FRESHMAN YEAR:**
- English Composition: 3
- Fundamentals of Speech (Area II): 3
- General Psychology (Area II): 3
- Mathematics: 4
- Area I Elective: 4
- Science Elective: 3
- General Electives (Area I, II, III): 3

**SOPHOMORE YEAR:**
- Economics (201 & 202): 3
- Financial and Managerial Accounting: 3
- Applied Business Communications: 3
- Statistical Tech. for Decision Making I: 3
- General Electives (Area I, II, III): 3
- Business Law I: 3

**JUNIOR YEAR:**
- Private Pilot Ground School: 3
- Basic Marketing Management: 3
- Principles of Management: 3
- Principles of Finance: 3
- Intermediate Macroeconomics: 3
- Principles of Transportation: 3
- Quant. Analysis: 3
- Statistical Tech. for Decision Making II: 3
- General Electives (Area I, II, III): 3
- General Electives: 3

**SENIOR YEAR:**
- Airport Management: 3
- Airline-Aircargo Management: 3
- Aviation Law: 3
- Bus. Ethics, & Soc. Resp: 3
- Human Resource Management: 3
- Government & Business: 3
- Business Policies: 3
- General Electives (Area I, II, III): 3
- General Electives: 3

### REAL ESTATE MAJOR

**FRESHMAN YEAR:**
- English Composition: 3
- Fundamentals of Speech Communication: 3
- General Psychology (Area II): 3
- Mathematics: 4
- Area I Electives: 3
- Business Law I: 3
- Fundamentals of Real Estate: 3

**SOPHOMORE YEAR:**
- Economics (201 & 202): 3
- Introduction to Financial Accounting: 3
- Intro to Data Processing: 3
- Bus. Communications: 3
- Law of Real Estate: 3
- Statistical Tech. for Decision Making I: 3
- General Electives (Area I, II, III): 3

**JUNIOR YEAR:**
- Intermediate Microeconomics: 3
- Regional Economics: 3
- Basic Marketing Management: 3
- Principles of Management: 3
- Principles of Finance: 3
- Real Estate Finance: 3
- Appraisal of Real Estate: 3
- Business Ethics and Social Resp: 3
- General Elective (Area I, II, III): 3
- General Electives: 3

### INDUSTRIAL RELATIONS OPTION

**FRESHMAN YEAR:**
- English Composition (E-101, E-102): 3
- Fundamentals of Speech (Area II): 3
- General Psychology (Area II): 3
- Mathematics (M-105, M-106): 4
- Area I Electives: 3
- Science Elective: 4
- General Electives (Areas I, II, III): 3

**SOPHOMORE YEAR:**
- Economics (201 & 202): 3
- Fundamentals of Accounting: 3
- Applied Business Communications: 3

**JUNIOR YEAR:**
- Intermediate Microeconomics: 3
- Regional Economics: 3
- Basic Marketing Management: 3
- Principles of Management: 3
- Principles of Finance: 3
- Real Estate Finance: 3
- Appraisal of Real Estate: 3
- Business Ethics and Social Resp: 3
- General Elective (Area I, II, III): 3
- General Electives: 3
SCHOOL OF BUSINESS

SENIOR YEAR:

Human Resource Management ......................... 3
Government and Bus ........................................ 3
Real Estate Investment and Taxation ................... 3
Brokerage Management .................................... 3
Business Policies ......................................... 3
*Major Elective ........................................... 3
Gen'l Electives (Area I, II, III) ......................... 3
*Gen'l Elective ............................................ 3

*Real Estate Electives
RE 497 Special Topics
Appraisal Income Property
Tax Factors or Principles of Income Taxation
Urban Economics

MARKETING CORE (12 hours):

Required for all Marketing Majors
MK-301 Basic Marketing Management
MK-320 Intermediate Marketing Management
MK-415G Marketing Research
MK-425 Advanced Marketing Management

MARKETING ELECTIVES (12 hours):

Choose any four of the following courses
MM-101 Principles of Salesmanship
MK-306 Promotion Management
MK-307 Consumer Behavior
MK-421 Sales Administration
MK-496 Independent Study or MK-493 Internship
EC-317 International Economics

*See course descriptions for former course titles.
**Counts as part of the six hour Area II requirement other than in economics.
***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.

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:

English Composition ...................................... 3
General Psychology ** .................................... —
Mathematics ............................................... 4
Area I Electives *** ..................................... 3
Electives *** ............................................. 3
Fund. Concepts of Speech ............................... —

16

1ST SEM. 2ND SEM.

SOPHOMORE YEAR:

Principles of Economics ................................. 3
Introduction to Financial Accounting .................. 3
Introduction to Managerial Accounting ............... 3
Introduction to Sociology ** ............................ —
Business Law I ........................................... 3
Introduction to Data Processing ........................ —
Physical or Biological Science Elective .............. 4
Applied Bus. Communications ........................... —
Business Statistics ....................................... 3

15

1ST SEM. 2ND SEM.

JUNIOR YEAR:

Basic Marketing Management* .......................... 3
Intermediate Microeconomics ............................ 3
UO Economics Elective .................................... —
Principles of Finance .................................... 3
Principles of Management ............................... 3
Marketing Electives ...................................... 6
Electives * * ........................................... 6
Intermediate Marketing Mgmt ........................... —

18

1ST SEM. 2ND SEM.

SENIOR YEAR:

Advanced Marketing Management* ..................... —
Marketing Electives ...................................... 6
Human Resource Management ............................ —
Business Policies ........................................ 3
Marketing Research ..................................... 3
Electives * * ........................................... 8

17

1ST SEM. 2ND SEM.

MARKETING MAJOR
Bachelor of Business Administration Program

FRESHMAN YEAR:

English Composition ...................................... 3
Inter & Adv. Typewriting* ............................... 2
Business Math and Machines ............................ —
General Psychology (Area II) ............................ —
Mathematics (Area II) ................................. 4
Area II Elective ......................................... 3
Fund. of Speech Communications ........................ 3

15

1ST SEM. 2ND SEM.

SOPHOMORE YEAR:

Business Law I ............................................ 3
Introduction to Financial Accounting .................. 3
Introduction to Managerial Accounting ............... —
Inter. & Adv. Shorthand* ................................ 4
Word Proc-Machine Transcription ........................ —
Area II Elective ......................................... 4
Principles of Economics .................................. 3
Applied Business Communication ........................ 3

16

1ST SEM. 2ND SEM.

JUNIOR YEAR:

Secretarial Transcription ............................... 4
Basic Marketing Mgmt ................................. —
Intro. Data Processing ................................... —
Statistical Tech. for Decision Making I ................ 3
Prin. Finance ............................................ 3
Technical Writing for Business ......................... 3
Electives (from 2 of 3 Areas) ............................ 9
Principles of Management ............................... 3

16

1ST SEM. 2ND SEM.

SENIOR YEAR:

Records Preparation and Management ................ 3
Administrative Office Procedures ........................ —

MARKETING CORE (12 hours):

Required for all Marketing Majors
MK-301 Basic Marketing Management
MK-320 Intermediate Marketing Management
MK-415G Marketing Research
MK-425 Advanced Marketing Management

MARKETING ELECTIVES (12 hours):

Choose any four of the following courses
MM-101 Principles of Salesmanship
MK-306 Promotion Management
MK-307 Consumer Behavior
MK-421 Sales Administration
MK-496 Independent Study or MK-493 Internship
EC-317 International Economics

*See course descriptions for former course titles.
**Counts as part of the six hour Area II requirement other than in economics.
***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.

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:

English Composition ...................................... 3
Inter & Adv. Typewriting* ............................... 2
Business Math and Machines ............................ —
General Psychology (Area II) ............................ —
Mathematics (Area II) ................................. 4
Area II Elective ......................................... 3
Fund. of Speech Communications ........................ 3

15

1ST SEM. 2ND SEM.

SOPHOMORE YEAR:

Business Law I ............................................ 3
Introduction to Financial Accounting .................. 3
Introduction to Managerial Accounting ............... —
Inter. & Adv. Shorthand* ................................ 4
Word Proc-Machine Transcription ........................ —
Area II Elective ......................................... 4
Principles of Economics .................................. 3
Applied Business Communication ........................ 3

16

1ST SEM. 2ND SEM.

JUNIOR YEAR:

Secretarial Transcription ............................... 4
Basic Marketing Mgmt ................................. —
Intro. Data Processing ................................... —
Statistical Tech. for Decision Making I ................ 3
Prin. Finance ............................................ 3
Technical Writing for Business ......................... 3
Electives (from 2 of 3 Areas) ............................ 9
Principles of Management ............................... 3

16

1ST SEM. 2ND SEM.

SENIOR YEAR:

Records Preparation and Management ................ 3
Administrative Office Procedures ........................ —
A maximum of 12 credits in shorthand and 4 in typewriting will be applied to requirements for this major. Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

Office Management ..................................... 3
Human Resource Management ......................... 3
Business Policies ........................................ 3
U.D. Electives ............................................ 4
Electives (from 2 of 3 areas) ......................... 7
Intermediate Microeconomics ......................... 3
U.D. Econ Elective ........................................ 3

16 16

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

**For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.

**FASHION MERCHANDISING**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
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</tr>
<tr>
<td>Salesmanship</td>
<td>3</td>
<td></td>
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<tr>
<td>Clothing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Business Math/Machines</td>
<td>3</td>
<td></td>
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<tr>
<td>Clothing Selection</td>
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<td>2</td>
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<td>Textiles</td>
<td>3</td>
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<tr>
<td>Elements of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
<td>2</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<th>SOPHOMORE YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Consumer Marketing</td>
<td>3</td>
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<tr>
<td>Fashion Analysis and Design</td>
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<td>Fund. of Speech Communication</td>
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<td>Retail Buying</td>
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<td>Mid-Management Work Experience</td>
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<tr>
<td>Report Writing</td>
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<tr>
<td>Principles of Retailing</td>
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<tr>
<td>Visual Merchandising</td>
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<tr>
<td>Supervision of Personnel</td>
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<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

*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.

**For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.

**OFFICE SYSTEMS**

Associate of Science Degree

**WORD PROCESSING PROGRAM**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
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<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
<td></td>
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<tr>
<td>Beginning Shorthand</td>
<td>4</td>
<td></td>
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<tr>
<td>Beginning Typing*</td>
<td>2</td>
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<tr>
<td>Applied Business Communications</td>
<td>3</td>
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<tr>
<td>OA Elective</td>
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<td>Fund. Speech-Communication</td>
<td></td>
<td>3</td>
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<tr>
<td>Intermediate Shorthand*</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Intermediate Typing*</td>
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<td>2</td>
</tr>
<tr>
<td>Business Math/Machines</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<td>Introduction to Financial Accounting</td>
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<tr>
<td>Economics</td>
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<td>Area II Elective</td>
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<td>Advanced Typing</td>
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<tr>
<td>Records Prep. &amp; Mgmt</td>
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<td>Editing for Word Processing</td>
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<td>OA Electives</td>
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<td>Admin. Office Procedures</td>
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<td>Word Processing, Mag. Keyboarding</td>
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<td>Electives</td>
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<td><strong>Total</strong></td>
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**MARKETING—MID-MANAGEMENT**

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<tr>
<td>Business Math/Machines</td>
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<tr>
<td>Salesmanship</td>
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<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
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<tr>
<td>Merchandise Analysis</td>
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<td>Mid-Management Work Experience</td>
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<td>Fund. of Speech-Communication</td>
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</tr>
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**SECRETARIAL PROGRAM**
COURSES

AC ACCOUNTING

205 Introduction to Financial Accounting (3 credits). This course is designed to introduce the student to the field of contemporary financial accounting practiced in the United States. The student will study the use of and need for financial statements in the business community. An understanding of financial statements will be accomplished by the study of accounting terminology, the theoretical framework of financial statements, and an overview of the basic double entry accounting cycle. The emphasis in the course will be on obtaining a working understanding of financial statements. Detailed accounting procedures will be included in the course to the extent that interface between accounting information and user information aids this understanding process. Each semester.

206 Introduction to Managerial Accounting (3 credits). (Previously AC 204). This course is designed to introduce the non-accounting major to the methodological applied in cost and managerial accounting. The student will study an overview of manufacturing-accounting with emphasis on job order and process costing of manufactured inventory and standard costing with related variance analysis. The student will receive an introduction to contemporary financial accounting practices. Each semester.


Upper Division

320 Tax Factors in Business Decisions (3 credits). A general introduction for students in business subjects. The study of taxation and the effect of income taxes on business decisions. This course is not recommended for degree credit by accounting majors. Prerequisite: AC 205. Each semester.

207 Intermediate Accounting I (3 credits). A rapid review of basic accounting principles and procedures, followed by problems related to the valuation and presentation of property, liability, and corporate proprietorship items, and the measurement of net income. Analytical accounting procedures, and the preparation of advanced working papers. Comprehensive corporate financial statements; development of special reports, ratios, and other analyses. Prerequisite: AC 205 or its equivalent. Each semester.

431 Accounting Information Systems (3 credits). A study of the accounting principles applicable to institutions, nonprofit agencies, governmental units, and political subdivisions. The supporting theoretical concepts, legal and ethical responsibilities, computer applications, and cost-benefit analyses are considered. Prerequisite: lower division core or permission of instructor. Either semester.

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 Federal and state income taxes. Prerequisite: AC 205 or by permission of instructor. Spring semester.

402 Advanced Income Taxation (3 credits). (Previously Corporate Taxation). The application and introduction of the Federal income tax to corporations organized for profit, and an introduction to partnership, trust, and estate and gift tax. Prerequisites: AC 306 and either AC 401, lower division core or permission of instructor. Fall semester.
SCHOOL OF BUSINESS

hand, transcription, and office procedures. Includes an analysis of research and its applica-
tion to the improvement of instruction. Also includes the application of psychological princi-
bles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and con-
sent of instructor. Summer.

530 Curriculum and Instruction in Typewriting, Bookkeeping-Accounting, and Data
Processing (3 credits). A study of various techniques available for the improvement of in-
struction in Bookkeeping-Accounting, Data Processing, and Typewriting. Includes an analy-
ysis of research and its application to the improvement of instruction. Also includes the appli-
cation of psychological principles of learning and other technical aspects of instruction.
Prerequisite: Graduate Status and consent of the instructor. Spring semester.

540 Curriculum and Instruction in Basic Business and Economics (3 credits). A study of
various techniques available for the improvement of instruction in Basic Business and Eco-
nomics. Includes an analysis of research and its application to the improvement of instruc-
tion. Also includes the application of psychological principles of learning and other tech-
nical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor.
Summer.

571 Organization and Supervision of Business Education (3 credits). Administrative and
supervisory problems in business education especially for the first year of the teacher.
A study of problems of the business teacher beyond those involved in classroom teaching.
Areas of study include student services, equipment and supplies, in-service program, re-
search; program evaluation and development, public and staff relations, and leadership
roles. Prerequisite: Graduate Status and consent of the instructor. Fall.

591 Project (3-6 credits). The scholarly pursuit of original work through research. Prerequi-
tes: Admission to candidacy.

593 Directed Research (Variable credits). Opportunity for the student to pursue a topic of
interest on an individual basis. Prerequisite: Graduate Status and consent of the instructor.

599 Workshop in Business Education (1-3 credits). Intensive study of a selected topic in
business education. May be repeated for a maximum of 3 credits.

DP DATA PROCESSING

Lower Division

210 Introduction to Data Processing (3 credits). A general interest course to acquaint stu-
dents with the fundamentals of automated data processing. The course will introduce the
principles of computerized data processing, systems analysis, problem solution through the
use of logic, decision analysis, computer aids to support, the nature of computers and the
impact the computer is having on management and society. Students will have the
opportunity to prepare and run computer programs using the University IBM 370 computer
system. Each semester.

Upper Division

320 Data Processing Techniques (3 credits). An introduction to computer programming in
a high-level language, and a review of programming systems that are currently in use, in-
cluding programming languages, organization systems, and techniques systems. Program
flowcharting, development and implementation to solve common business problems will be
emphasized. Systems analysis and design activity will be incorporated into class activities.
Prerequisite: DP 210 or equivalent. Each semester.

345 Simulation Techniques (3 credits). Basic concepts in simulation; simulation in busi-
ness including inventory systems and scheduling systems; simulation of decision making by
individuals and group organizations. Models of varying degrees 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 pertinent to business data processing problems. Prerequisite: DP 210 or equiva-
 lent. Spring semester.

405 Data Processing Applications (3 credits). An in-depth study of current business com-
computer applications and the function of data processing in the business enterprise. Incorpo-
rated into the broad-based study will be consideration of data base, MIS, fraud, computer
acquisition, international computer networks and the ethics and responsibilities of the data
processing profession. Prerequisite: DP 210 or equivalent. Each semester.

420 Systems Analysis and Design (3 credits). Concepts and techniques of the analysis and
design of information systems. Topics include systems theory, tools and techniques of
system analysis, the role of the systems analyst in the business enterprise and computerized
information systems. Course identical to AC 420. credit may not be earned for both
courses. Prerequisites: DP 210 and AC 205. Spring semester.

EC ECONOMICS

Lower Division

201 Principles of Economics-Macro (3 credits). Introduction to the use of economic prin-
ciples to aggregate or macroeconomic performance of developed market economies.
Applications are to current domestic and international macroeconomic issues. Special attention to the goals and programs of high employ-
ment, price level stability, economic growth, the balance of international payments and the
relevant monetary, fiscal and other policy instruments utilized to accomplish these policy
goals. Each semester.

202 Principles of Economics-Micro (3 credits). An introduction to microeconomic analy-
sis; covering supply and demand, the operation of the market system, and the distribution of
income. The course provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic devel-
oment. Each semester.

210 Contemporary Economic Problems (3 credits). A one semester introduction to eco-
nomics containing selected contemporary economic problems. Principles are intro-
duced to help analyze problems and point out alternative solutions. (Not allowed as part of
the economics major requirements. Not allowed for credit to those students that have taken
EC 201 and 202.) Prerequisites: None. Either semester.

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 result-

FI FINANCE

Lower Division

108 Personal Finance and Investments (3 credits). Aid in meeting the growing complexity of
investment decision making as faced by the individual. How to avoid financial impris-
ments; installment buying, borrowing money, owning or renting a home. Appraisal of sav-
ings alternatives and investing in stocks, bonds, and mutual funds. Understanding security
markets and personal planning for personal investments. Fall semester.

211 Principles of Insurance (Previously RE-320) (3 credits). The course offers presenta-
tion of the principles of insurance and policy analysis together with a discussion of the fun-
damental 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

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SCHOOL OF BUSINESS
practical applications. All areas of insurance are covered including life, casualty, liability and medical.

Upper Division
303 Principles of Finance (3 credits). A basic survey course of fundamental concepts and techniques of the three major areas of finance corporate, institutional, and investments and their interrelationships. Topical areas covered are an overview of monetary policy by Federal Reserve Bank, study of the financial system, the international financial system, financial decision-making problems focusing on internal allocation of funds, financing these asset needs and security valuation. Prerequisites: AC-205, 206, EC-201, 202 and M-106. Each semester.
325 Financial Management I (3 credits). (Previously Corp. Financial Mgt.) The study and theoretical analysis of the internal allocation of resources within the business firm and government organization including capital asset management and policy, capital budgeting and investment analysis, risk analysis, financial planning and control, etc. Instructional methods will include the analysis of financial cases and financial modeling. Prerequisites: FI-302 and GB-208. Each semester.
326 Financial Management II (3 credits). This course covers critical analysis of different sources of funds, dividend policies, and capital markets. Special topics include refunding debt, social responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement textual materials. Prerequisites: FI-303, FI-325. Spring semester.
417 Management of Financial Institutions (3 credits). Topics treated in this course include: the analysis of problems faced by managers of financial institutions; a study of developments and recent changes in the structuring of the U.S. financial system as they impact on decision making in banking and other savings types institutions; the methods of governmental financing and their effects on the flows of funds in the economy. Contemporary issues such as new legislation, international financial institutions, and social responsibilities are covered. Prerequisites FI-303, EC-301. Fall semester.
450 Investment Management (3 credits). This course focuses on the setting for investment, stocks, bonds, commodities and options: sophisticated techniques in finance. Emphasis is placed on forecasting and evaluating: of the efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model in planning investment strategy. Prerequisites: FI-303, GB-208.
499-499 Senior Seminar in Finance (3 credits each). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds on background developed in regularly scheduled finance courses. The topics offered will be those of the student's interest. These courses enable the student to achieve an indepth knowledge of issues which cannot be treated fully in existing courses. Legislatively creating sweeping changes in the financial community, computerized financial modeling, international financial management, public utility financial management, option trading, applications of the capital asset pricing model are representative topics.

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.
202 Business Law I (3 credits). Introduction to the legal system including courts, litigation and lawyers. This is a course designed to emphasize such specific substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of government regulation of business. Each semester.
207 Statistical Techniques for Decision Making I. (Previously Business Statistics) (3 credits). This course is designed to provide the student with an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Examples are the Poisson and normal distributions, interval estimates, and hypothesis testing will be covered. Prerequisite M-106 or equivalent. Each semester.
208 Statistical Techniques for Decision Making II (Previously GB-306) (3 credits). This class enters into the statistical methods beyond those covered in GB 207. The purpose is to provide the student with an exposure to the use of these statistical procedures. The course concentrates on using these procedures in a business decision making environment. Typical topics covered include: simple and multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. Prerequisites GB-207, DP-210. Each semester.
Upper Division
302 Business Law II (3 credits). A comprehensive study of the Uniform Commercial Code with emphasis on sales, bills of lading, documents of title, commercial paper, and secured transactions. Also, the formation, operation, and dissolution of partnerships and corporations; the merger and consolidation of corporations. Prerequisite: GB-202. Each semester.
352 Advanced Topics in Business Law (3 credits). The focus of this course is upon the economic and management problems and functions of the transportation industry. The course will cover the operation and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in various forms of transportation services.
360 Business Ethics, and Social Responsibility (3 credits). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values.
366 Quantitative Analysis for Business Decisions (3 credits). The course involves a study of the various tools traditionally referred to as operations research techniques. The emphasis is upon an understanding of the function of the techniques and how they can assist the decision maker. Topics typically covered include linear programming and critical path analysis. Prerequisites: GB-207, 208, and M-106.
441 Principles of Management and Business (3 credits). This course is intended to give intensive study and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations will be researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. Prerequisite: GB-202. Spring semester.
450 Business Policies (3 credits). This course is designed to develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies. Both domestic and world-wide. The student is required to build upon and integrate the methods acquired from a total educational and experience base and to examine problems in all functional areas of the organization. Prerequisites: Completion of the required business core. Each semester.

MK MANAGEMENT
Upper Division
301 Principles of Management (3 credits). This course deals with the history of management, schools of management thought, and the planning, organizing, directing and controlling functions of the management process in business and the application of quantitative techniques in management. Prerequisite: M-106. Each semester.
305 Personnel Administration (3 credits). This course provides an in-depth examination of the functions of personnel administration—human resource planning, procurement, development, utilization, and compensation—with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered each term (e.g., O.S.H.A., fair employment regulations, etc.). The role of the personnel department is explored both from the point of view of those operating a personnel department and from the point of view of managers throughout an organization. Prerequisites: MG-301 or consent of instructor.
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. Prerequisites: GB-208. Each semester.
330 Labor Law (3 credits). This course offers a survey of the existing body of labor law, along with the historical events and precedents that have shaped this law. The principal principles of contract and the effectiveness of collective bargaining. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanics of conflict resolution are discussed.
340 Labor Relations (3 credits). This course will cover the history, structure, policies, and operations of labor unions; the functioning of industrial relations activities within organizations; and important concepts and terminology in labor management relations. The student is introduced to the mechanisms of conflict resolution. Contract administration is emphasized with a focus on the day-to-day relationships between parties. International comparisons of industrial relations systems are made.
410 Human Resource Management (Previously Human Relations) (3 credits). Utilizing concepts and theories from the behavioral sciences this course covers topics essential to effectively manage human resources. Topics covered include perception, motivation, attitudes, power and leadership. Prerequisite: MG-301. Each semester.
450 Organizational Dynamics (3 credits). This course deals with the development of organizational theory including the following specific areas: organizational structure, bureaucracies, organizational influence processes, politics, power and conflict, organizational development and organizational effectiveness. Prerequisites: MG-301. Spring semester.
466 Compensation Management (3 credits). This course involves the administration, maintenance, and control of a comprehensive compensation program. Topics covered include job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Special attention is given to legislation affecting the compensation field and to the unique compensation problems of select groups in the labor force (e.g., public employees and employees of trans-national enterprises). Prerequisites: MG-305 (Personal Administration). Each semester.
480 Operations Management (3 credits). This course applies the quantitative tools needed in the operations and production management fields for effective decision making. The nature of operations interactions and the characteristics of the systems will be considered. Each semester.
606 Decisions Analysis (3 credits). This course will emphasize the decision analyses tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. The emphasis will be on presenting the tools in actual business applications. Prerequisites: GB-208, GB-366, MG-301.
415 Collective Bargaining (3 credits.) This course examines the materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration processes. Administration of the negotiated agreement is also considered. Special attention is devoted to public sector bargaining. Prerequisites: MG-340 (Labor Relations), MG-330 (Labor Law), or consent of instructor.

MK MARKETING
Upper Division
301 Basic Marketing Management (3 credits). Study of the marketing process with emphasis on sales, direct marketing, advertising and the use of sales promotion techniques. Decision making within the organization's strategic plan. The marketing process consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization is going to satisfy; and determining the product, price, communication and distribution mixes necessary to satisfy the selected wants and needs. Each semester.
306 Promotion Management (3 credits). The principles, strategies and management of advertising and sales promotion activities. Coordination and integration of both areas with other elements of the marketing mix is emphasized. The economic and social criticism of advertising particularly are stressed to insure that managers are aware of the ethical and social responsibilities inherent in the job. Prerequisite: MK-301. Either semester.
307 Consumer Behavior (3 credits). Analysis of purchase and consumption behavior of the consumer. 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.

320 Intermediate Marketing Management (3 credits). Marketing principles and theories are integrated with analytical and behavioral decision processes. Emphasis is placed on problem identification, market analysis, marketing strategy, and planning and administering marketing programs. Consumer, industrial, institutional, and international markets are considered. Prerequisite: MK 301. Each semester.

415G Marketing Research (3 credits). Consideration of the theory and use of research in providing information relative to marketing decisions. The student will obtain experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. May be taken for graduate credit. Prerequisites: GB 207, MK 301. Each semester.

421 Sales Administration (3 credits). Management of a sales/organization with particular emphasis on recruiting selection, training, supervision, and compensation of salesmen. Emphasis is also placed upon coordinating and integrating activities of the sales administrator with other functions and programs comprising the marketing organization. Emphasis is also placed on ethics and social responsibilities relating to the sales manager’s job. Prerequisite: MK 301. Either semester.

425 Advanced Marketing Management (3 credits). The case study approach as applied to marketing problems. Emphasis is placed on problem definition, recognition of alternative solutions, and defense of a “best” solution. Prerequisites: 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 program only. The student may earn 2 semester hours credit for a maximum of four semester hours credit. This provides actual work experience in the retail, wholesale, or service business field as a paid employee. The student, the employer, and the program coordinator develop an individual program for each student. The student is evaluated by the employer and the program coordinator. Each semester.

101 Salesmanship (3 credits). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesale and manufacturer establishments, analysis of customer behavior and motivation, methods of communication, and customer acquisition, interest, desire and action. Special emphasis is given to ethical sales techniques. Either semester.

102 Merchandising Analysis (3 credits). A study dealing with what the product is and what the product does for the customer. Provides methods and techniques in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and nontextiles are surveyed. Spring semester.

105 Elements of Management (2 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 Consumer Marketing (3 credits). (Previously Introduction to Marketing). 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 and organizations 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. Promotions in 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 Association will be used. Fall semester.

205 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.

213 Business Communications (3 credits). Laboratory, the rotary calculator, and the electronic calculator. Either semester.

215 Business Mathematics (3 credits). Fundamental operations of arithmetic in business, deprecating, 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.

221 Secretarial Transcription (4 credits). Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Both semesters.

238 Applied Business Communications (3 credits). A course designed to emphasize the building of a foundation in effective business writing principles. The effectiveness and the correctness of writing and the psychology of letter writing will be emphasized through the preparation of a variety of business letters. Either semester.

243 Principles of Bookkeeping (2 credits). Course given in the operation of the various kinds of bookkeeping machines, including the adding machine, the adding machine, the offset duplicator, and the dry process copier. Instruction will be given in typing, drawing, lettering, and writing on the duplicating media of masters, stencils, and mats. An opportunity will be provided to observe and study typewriting, layout and design, paste up, dark room techniques, stripping, plate making, and binding work. Both semesters.

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Risk and Return Analysis, Property Leverage, Discounted Cash Flow, Tax Consequence of Sales, Exchanging, Multiple Exchanges, and Computerized Investment Analysis. Prerequisites: RE 220 and FI 303.

360 Real Estate Finance (3 credits). Financial analysis and examination of the intricacies of the real estate mortgage markets, sources of mortgage funds, federal government and municipal markets, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. Prerequisites: RE 201, RE 220 and FI 303.

370 Real Estate Development (3 credits). The course is designed to examine the many factors of the development process. The course will cover the traditional development process including market analysis, feasibility study, land acquisition, zoning, layout, and design; site plan review, financing, construction, and the handling of sales. In addition, the course concerns itself with the many factors of the planning process and the developer's obligation and concern for problems of energy, environment, transportation, and social acceptability as they relate to the basic national priorities. Prerequisite: RE 201, RE 301.

431 Appraisal of Income Properties (3 credits). This combination lecture and case study course is devoted entirely to the appraisal of income property. Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are thoroughly analyzed and discussed. Prerequisites: RE 201, RE 331.

450 Real Estate Brokerage Management (3 credits). This course is a capstone course intended to integrate the specialized functional knowledge gained in the Real Estate program including office administration, hiring and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibility, creative licensing, professional organizations, and agency relationships. Prerequisites: RE 220, RE 331, RE 340, RE 350.

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. Recommended credit or current enrollment in OA-238. Prerequisite: demonstrated proficiency in typing or current enrollment in typing. Both semesters.

105 Beginning Typing (2 credits). Theory and keyboard operations on the typewriter with application for personal or business use. Fall semester.

106 Intermediate Typing (2 credits). Review of typing fundamentals for development of speed and accuracy with applications of these skills for use. Prerequisite: OA-105 or advanced placement. Either semester.

111 Personal Adjustment to Business (1 credit). Designed to develop an insight into the behavior and customs of individuals in a business office through study of why and how people, good decision making, oral communication and case analysis problems. 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.

121 Intermediate shorthand (4 credits). Review of shorthand theory with much work in dictation and transcription to improve speed and accuracy. 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.

205 Medical Office Orientation (1 credit). A study of medical receptionist duties, special records and filing systems, legal aspects of medical work, management of the medical office, and ethics and psychology in a medical office. Fall semester.

207 Procedures of a Law Office (1 credit). Office procedures and methods as they relate to the work of a legal secretary. Legal terminology and meaning of the language of the law will be stressed. 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.

213 Word Processing, Machine Transcription (2 credits). A course stressing the operation and knowledge of transcribing machines. The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA-209. Both semesters.

215 Word Processing, Mag. Keyboarding (1 credit). Recording data electronically while producing typewritten copy. Upper typing and revision applications will be used. Prerequisite: OA-209. Both semesters.

219 Advanced for Word Processing (1 credit). Intended to assist the student in developing expertise in spelling, vocabulary, punctuation, proofreading, abstracting, and editing. Prerequisites: Grade of C or higher is recommended in OA-238, OA-107. Either semester.

221 Business Transaction (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.

238 Applied Business Communications (3 credits). (Previously OA-238 — Business Communication). A course designed to emphasize the building of a foundation in effective business writing principles. The effectiveness and the correctness of writing and the psychology of letter writing will be emphasized through the preparation of a variety of business letters. Either semester.

331 Appraisal of Real Estate (3 credits). This is an intensive course covering modern real estate appraising concepts and the technical skills employed in their application to residential property. Prerequisite: RE 201.

340 Real Estate Investment and Taxation (3 credits). This course explores Real Estate from the investor's point of view with special attention to the tax aspects including
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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. Either 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 to perform them. Either semester.

317 Office Management (3 credits). An introduction to the area of information management. The functions of office management including areas such as production, environmental analysis, systems analysis and personnel administration. Spring semester.

338 Technical Writing for Business (3 credits). An in-depth study including the application of interpersonal communication and effective business writing principles through preparation of business and financial reports and technical papers. The case study approach will be used to present a variety of business situations requiring decision-making in business report writing. Prerequisite: QA-238. Either semester.

Graduate

501 Office Systems and Procedures (3 credits). A study of advanced systems and procedures currently in use in business offices. Includes emphasis on technical knowledge and abilities to perform office activities. Writing areas: automated office procedures, word processing, cost analysis and control, personnel procedures, systems analysis and flowcharting, work flow, supervisory techniques and responsibilities, communications and information systems, record management, and the preparation of office manuals. Prerequisite: Graduate Status. Summer.

GRADUATE PROGRAMS IN BUSINESS

MBA IN BUSINESS

OBJECTIVES

The purpose of the Boise State University Program leading to the MBA Degree is to further 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 broad managerial responsibilities.

The MBA curriculum at Boise State emphasizes the traditional MBA approach of development of managerial generalists, with a common body of functional knowledge given to all students. There is no area of emphasis or major available, but once a student satisfies the functional core of courses, free electives to achieve a minor degree of concentration are possible.

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 the standards set by the School of Business of Boise State University. Common to all programs is a foundation of prerequisite courses in basic fields of business administration. Students presenting a bachelor’s degree in business normally will have completed most of these requirements as part of their undergraduate program. 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, and the liberal arts. Therefore, 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 acceptable CLEP examination, and any other local departmental requirements.

MATRICULATION REQUIREMENTS

FOR APPLICANTS

SPECIFIC PREREQUISITES FOR APPLICANTS

All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrollment in MBA classes. (New applicants for the MBA program should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enrollment, students should arrange to take the GMAT by July. For spring enrollment, the GMAT should be taken no later than the October or November test date).

(a) Possession of a bachelor’s degree from an accredited institution.

(b) Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following two formulae:

- 200 X overall GPA plus GMAT score must equal 1000 minimum
- 200 X junior/senior GPA plus GMAT score must equal 1050 minimum

(c) For foreign students, in addition to the above formulae minimum, a score of 525 on the TOEFL, or its equivalent, is necessary.

*(d) Prerequisite courses or their equivalent:

1. Accounting (equivalent to one year)
2. Economics (equivalent to one year)
3. College level mathematics (equivalent to one year)
4. Management
5. Business Law
6. Marketing
7. Finance
8. Data Processing (programming techniques)

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in MBA 500 level courses. Enrollment in MBA courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these MBA 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 University in order to achieve the MBA degree.

THE MBA DEGREE

THE GRADUATE DEGREE PROGRAM

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages of other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses

Electives

Note: A student with a major in a functional business discipline such as management, marketing, finance, economics, or accounting should not take the core course in that discipline, and may substitute any MBA elective in its place.

A maximum of 9 graduate credits may be accepted from other graduate schools upon request and a determination of acceptability to the MBA program. Students desiring transfer credits must apply on the Program Development Form with appropriate supporting documents and transcripts to the MBA Admissions Committee, School of Business.

Students may elect a maximum of 6 credit hours from the 400 level "G" courses from the Undergraduate School of Business Program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding those courses.

Under certain conditions with the approval of the MBA Program Coordinator and the department head concerned, MBA students may earn up to a maximum of 3 credit hours of Directed Research and/or Internship Credits which apply to graduation requirements.

MBA—REQUIRED CORE COURSES

GB-510 Business and its Environment (3 credits). This course involves examination of the interaction between business and the economic, social, political and legal order, both domestic and worldwide. 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. The development of personal business ethics is emphasized.

*GB-512 Statistical Methods for Business Decisions (3 credits). The purpose of this course is to provide the student with an understanding of those statistical methods used in the business decision process. The emphasis will be on the application of the techniques...
and the reason for their employment in decision processes. Computer applications programs will be employed to assist in the learning process. Topics generally covered include: Multiple Regression Analysis, Forecasting, and Bayesian Decision Theory. Prerequisites: GB-207, MG-301, and DP-320, or equivalent courses.

*GB-514 Operations Research Methods for Decision Making (3 credits). This course provides an introduction to operations research decision making aids. The emphasis will be on applying quantitative tools and interpreting the results rather than on theoretical developments. Particular attention will be given to using the computer to analyze quantitative models. Typical areas covered are linear programming, network models, and inventory Control Theory. Prerequisites: Graduate standing, GB-207, DP-320 and MG-301, or equivalent courses.

*Student selects one of these two:

MK-519 Marketing Management Concepts (3 credits). Concepts and theories of marketing management are related to the organization and environments that interact with the marketing function. The approach is interdisciplinary and analytical. The decision-making process places emphasis on identifying marketing programs and problems, and development of alternatives, formulation of strategies, and implementation of marketing plans and programs are also emphasized. Marketing to consumer, industrial, institutional, and international sectors are discussed. Prerequisite: GB-512 or GB-514.

FI-520 Financial Management (3 credits). This course offers a financial analysis of financial problems and formulation of financial policies through case studies. Topical areas include financial planning and control, capital budgeting, risk analysis, cost of capital and the capital asset pricing model, capital structure planning, dividend policy, bond refunding problems, short-and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and financial problems of multinational firms. Prerequisite: GB-512 or GB-514.

AC-532 Accounting-Planning and Control (3 credits). A study of the planning and control processes within an enterprise. Emphasis is placed 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.

MG-540 Organization Theory (3 credits). Examining briefly the history and current trends in organizations, the course focuses on the determinants and effects of organizational design. Methods of analyzing appropriate structure are discussed. Organizational behavior within the structural framework is explored with special attention given to group dynamics, power, leadership and influence.

EC-550 Managerial Economics (3 credits). Application of economic concepts and methodology to the problem of formulating rational managerial decisions. Emphasis is given to the optimization of techniques, risk analysis, estimation of demand and costs of production, market structures and pricing practices. Integrates economic theory and business administration practice. Prerequisite GB-512 or GB-514.

GB-579 Business Policy Formulation (3 credits). This course utilizes complex business applications programs that can be used by managers in the decision process. Selected computer applications programs included will be consideration of data-base, MIS, the management decision process, and operational communications. Opportunities for oral presentations of business information to the instructor. 421 G Fall, 422 G Spring.

AC-580G Accounting Theory (3 credits). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. The course is recommended for those students planning on the CPA examination. Prerequisite: AC 306 or by permission of instructor. Spring semester.

EC-4120J-4220J Econometrics (3 credits). The application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and by forecast economic activity. Prerequisite: M-106, or equivalent and permission of the instructor. 421 G Fall, 422 G Spring.

FI-450G Investment Management (3 credits). This course focuses on the setting for investments, stocks, bonds, commodities, and stock options; risk versus return relationships in investing and speculating; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing. model in planning investment strategy. Prerequisites: FI-303, GB-208 Either semester.

GB-441G Government and Business (3 credits). This course is intended to give intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations will be researched and analyzed as well as selected federal and state regulatory agencies. Prerequisite: GB-202. Spring semester.

MK-415G Marketing Research (3 credits). Consideration of the theory and use of research in providing information relative to marketing decisions. The student will obtain experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. Prerequisites: GB-207, MK-301.

GRADUATE PROGRAM IN EDUCATION

MASTER OF ARTS IN SECONDARY EDUCATION

Business Education Emphasis

Admissions and Program

A. The master's degree program is designed to meet the needs of business teachers. Because of the large number of business courses offered at the secondary level and because of the unique 'delivery systems' at that level, the program is designed with the flexibility and breadth considered necessary to meet a wide range of needs of those students enrolling. Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet the admission requirement for the degree.

Before Advancement to Candidacy can be granted, the student must:

1. ordinarily show eligibility for certification by the State of Idaho (or any other state), and
2. have completed the following prerequisite courses or their equivalent:

a. Principles of Accounting ..............................................6 credits
b. Principles of Economics ...........................................6 credits
c. Business Law .........................................................3 credits
d. Data Processing ....................................................3 credits
e. Marketing ..........................................................3 credits

B. Program Requirements: A maximum of 14 credit hours may be taken from the School of Business courses (excluding the listed BE courses).

CREDITS

1. Secondary Education Core Courses (see page 102 Teacher Ed.) .................................................6 credits
2. Business Courses ..................................................12 credits chosen from:

a. Business Education:
   (1) BE-511 Graduate Study in Business Education (required) ........................................3 credits
   (2) BE-520 Curriculum and Instruction in Shorthand, Transcription, & Office Procedures ........................................3 credits
   (3) BE-530 Curriculum and Instruction in Typewriting, Bookkeeping-Accounting, and Data Processing ........................................3 credits
   (4) BE-540 Curriculum and Instruction in Basic Business and Economics ........................................3 credits
   (5) BE-571 Organization and Supervision of Business Education ........................................3 credits
   (6) BE-596 Directed Research ......................................variable credits
   (7) BE-599 Workshop in Business Education ........................................1-3 credits
   (8) BE-441G Principles and Organization of Vocational Education Programs ........................................3 credits
   (9) BE-443G Administration and Coordination ........................................101
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4. Option of:
   a. Thesis—BE 593 .................................................. 3-6
   b. Project—BE 591 .................................................. 3-6
   c. Additional course work ........................................ 3-6
5. Any approved 400-level "G" courses limited to 6
   credits.

Additional courses as selected by the student and his gra
uate committee to meet program requirements.

Additional Information

A. Culminating Activity and Examination.
   Students electing a thesis as a culminating activity will take
   oral examination covering the thesis.
   Students electing additional course work will take a writ
   and/or oral examination covering course work completed
   their degree program.
B. While any Master of Business Administration course may
   used in the requirement outline in 2.b. above, the following i
   considered to be courses most likely to be chosen:
   GB-510 Business and its Environment
   BE-512 Business Research and Communications
   MK-520 Marketing Management Concepts
   AC-532 Accounting-Planning and Control
   MG-541 Human Resources Management
   EC-550 Managerial Economics
   For additional details contact Department Chairman, Depa
ment of Business Education and Office Administration—(208) 31
3451.

Course Offerings

A. Required Courses
1. TE-560 Secondary Education Core Courses .................. 6
2. BE-511 Graduate Study in Business Education ............. 3
3. BE-593 Thesis or BE 591 Project ................................ 3-6
   The Department recommends a thesis or project. However,
   the option of additional hours in Business Education is
   available upon approval of the Committee Chairman.
B. Elective Courses
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Dean:
Associate Dean: Clyde Martin, Ed.D.

DEPARTMENTS AND FACULTY

CENTER FOR COUNSELING, GUIDANCE AND TESTING:
Director and Professor: Dr. David P. Torbet; Associate Professors: Callao, Nelson; Assistant Professor: Downs.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION:
Chairman and Professor: Dr. Gene Cooper; Professor: Smith; Associate Professors: B. Bowman, S. Button, R. Lewis; Assistant Professors: P. Bowman, J. Boyles, D. Connor, P. Holman, E. Jacoby, B. Jones, C. Sweeney, C. Thorngren, R. Vaughn, S. Wallace, M. Young; Instructors: Fahleson, G. Craner.

DEPARTMENT OF PSYCHOLOGY:
Chairman and Professor: Dr. John L. Phillips, Jr.; Professors: Barshess, Ison, Sickles, Smith; Associate Professors: Dodson, Snow, Steger, Thurber, Wilkinson.

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE:
Chairman and Professor: Dr. John Jensen; Coordinator of Field Services: Dr. Ramlaykha Singh; Professors: Beilta, Bieter, Bullington, Dahlberg, Frederick, Kirtland, Marks, Ruyle, Tucker, Young; Associate Professors: Bowman, Comba, Friedli, Hill, Lambert, Martin, Reed; Assistant Professors: French, Green, Sadler, Schmaljohn, Waite, Walker; Instructor: Munns.

READING EDUCATION CENTER:
Director: Dr. William Kirtland Marks, Frederick, Munns

EDUCATIONAL TELEVISION:
Mr. Jack Schlaeefle, Director and Assistant Professor
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 aca-
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demic nature to students in these and in other major curricula throughout the University. The academic core 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.

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

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 University 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 teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the humanities and in the social and natural sciences. Students also receive special preparation for the particular kind of education work they plan to do.

Admission to Teacher Education

A. Students preparing to teach must apply for admission to Teacher Education. Normally, this is accomplished during the Sophomore year. This application will be secured and processed as part of the TE-201 Foundations of Education course (required for certification). Transfer students who have completed an equivalent course in Foundations of Education shall contact the Coordinator of Field Services and apply for admission to Teacher Education.

Admission to Teacher Education must be completed prior to enrollment in TE-451/452 Elementary Curriculum and Methods or TE-381, Secondary School Methods.

B. General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements include:

1. Filing of the Admission to Teacher Education, or its equivalent.
2. A minimum of Grade "C" in TE-201 Foundations of Education, or its equivalent.
3. Satisfactory test scores on authorized departmental examinations of basic proficiencies. These tests are administered during the TE-201 course, but may be taken by transfer students and in special cases by contacting the Coordinator of Field Services. Students failing to make satisfactory scores on one or more of these examinations will be advised as to the specific weaknesses and remediation will be suggested. Students will be given an opportunity to retake any examination previously failed.

4. Any deviations from the preceding policy must be approved by the Chairperson of the Department of Teacher Education and Library Science.

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 Field Services by the following deadlines:

1. Blocks I & II (Secondary) March 1 of the Junior Year Elementary (Fall/Spring)
2. Blocks III & IV (Secondary) October 1 of the Senior Year Elementary (Spring/Fall)

Application forms may be picked up from the Office of the Coordinator of Field Services.

NOTE: Six weeks notice will be required prior to the beginning date of the student teaching assignment, if a student wishes to change semesters (elementary) or specific blocks (secondary).

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-451 and TE-452 taken concurrently with student teaching.
   e. Student teachers assigned to a school for ½ 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-451 (Language Arts emphasis) concurrently with student teaching or prior to student teaching.
   f. Senior standing

2. Secondary Option
   a. Admission to Teacher Education
   b. Recommendation by the faculty advisor or department chairman.
   c. A cumulative grade point average of 2.5.
   d. Secondary School Experience either in a subject matter area or arranged through their Foundations of Education instructor.
   e. A minimum cumulative grade point average of 2.5.
   f. Satisfactory completion (minimum grade of "C") of 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 methods classes is given according to the Concentrated Course Blocks under Secondary Student Teaching. Students are encouraged to complete both Secondary and special methods prior to students teaching.
   g. Senior standing.
   h. Sufficient credit hours in the assigned teaching area.

   NOTE: Secondary certification requires a composite of 45 semester credit hours in a major teaching field or 30 semester credit hours in the major teaching field and 20 semester credit hours in a minor teaching field. Hence, student teachers should be within approximately six hours of the above certification requirements.

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 university supervisors.
D. Students who transfer to Boise State University 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.
E. Student Teaching can only be taken once. (Refer to PART II ACADEMIC INFORMATION-Academic Regulations)

**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:**

**A. General University Requirements**
- 1. English Composition (E-101-102) 3 or 6 semester cr.
- 2. Any three of the following courses:
  - a. U.S. History (HY-151, HY-152, HY-251, HY-252) 3
  - b. Introduction to Geography (GG-101) 3
  - c. Electives (Include Area II requirements) 6

**B. Area I Requirements**
- 1. Literature (to include American Literature E 270) 7
- 2. Second Field (elective) note: may be in performance field. 3
- 3. Third Field (elective) 3
- Note: Choose second and third field electives from Art, Humanities, Music, Philosophy or Theatre Arts.

**C. Area II Requirements**
- 1. History (United States History) HY-151, HY-152, HY-251, HY-252 3
- 2. Second Field (Geography GG-101) 3
- 3. Third Field (Oral Communication elective) 3
- 4. Area II Field (Psychology P-101) 3
- Note: Elementary Education majors to complete a course in U.S. History, GG-101 and a course in Oral Communication

**D. Area III Requirements**
- 1. A year's sequence chosen from:
  - a. Biological Sciences (B-101, 102)
  - b. Physical Science (PH-101, 102)
  - c. Mathematics (M-100)
  - d. Chemistry (C-100)
  - e. Mathematics (M-100)
- 2. Any three of the following courses:
  - a. General Biology (B-100)
  - b. General Chemistry (C-100)
  - c. General Geology (GO-100)
  - d. General Mathematics (M-100)
  - e. General Physics (PS-100)
- Note: Elementary Education majors must have courses in both biological science and physical science.

**E. Professional Education Requirements**

**1. 100 Level**
- a. TE 171 Early School Experience 1
- b. M 103-104 Modern Mathematics for Elementary Teachers 6
- c. MU 101 Music Fundamentals 2

**2. 200 Level**
- a. TE 201 Foundations of Education 3
- b. TE 205 Approaches to Reading 3
- c. TE 271 Teacher Aide Practicum 2
- d. TE 291 Educational Psychology and Implications of the Exceptional Child in the School 3

**3. 300 Level**
- a. MU 371 Music Methods for the Elementary School Teacher 3
- b. AR 321 Elementary School Art Methods 2
- c. PE 361 Elementary School Physical Education 3

**SCHOOL OF EDUCATION**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>E 102 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>B 100 Concepts of Biology</td>
<td>4</td>
</tr>
<tr>
<td>Physical Science (C-100, GO-100, PS-100) or PH-105</td>
<td>4</td>
</tr>
<tr>
<td>TE 171 Early School Experience</td>
<td>1</td>
</tr>
<tr>
<td>P 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MU 103, M-104 Mod. Math for Elem. Teachers</td>
<td>3</td>
</tr>
<tr>
<td>GG 101 Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>MU 101 Music Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>Elective, Area I Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 270 Survey of American Literature</td>
<td>4</td>
</tr>
<tr>
<td>TE 201 Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>HY 151 United States History</td>
<td>3</td>
</tr>
<tr>
<td>TE 205 Approaches to Reading</td>
<td>3</td>
</tr>
<tr>
<td>TE 271 Teacher Aide Practicum</td>
<td>2</td>
</tr>
<tr>
<td>TE 291 Educ. and Psych. Implic. of the Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>Electives (Include Area III requirements)</td>
<td>6</td>
</tr>
</tbody>
</table>

**JUNIOR YEAR:**

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 321 Elementary School Art Methods</td>
<td>3</td>
</tr>
<tr>
<td>MU 371 Music Methods for the Elem. School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>PE 361 Elementary School Physical Ed</td>
<td>3</td>
</tr>
<tr>
<td>P 325 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LS 316 Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>Class in Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Electives (consider elementary specialty)</td>
<td>8</td>
</tr>
</tbody>
</table>

**SENIOR YEAR:**

<table>
<thead>
<tr>
<th>SEM.</th>
<th>SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 311 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>TE 410 Elementary School Media</td>
<td>1</td>
</tr>
<tr>
<td>TE 411 Elementary School Media</td>
<td>1</td>
</tr>
<tr>
<td>TE 451 Elementary Curriculum and Methods</td>
<td>5</td>
</tr>
<tr>
<td>TE 452 Elementary Curriculum and Methods</td>
<td>5</td>
</tr>
</tbody>
</table>
SCHOOL OF EDUCATION

TE 471 Elementary Student Teaching 5
TE 472 Elementary Student Teaching or
TE 473 Student Teaching Special
Ed 5
TE 498 Senior Seminar Elementary Education 2
TE 499 Senior Seminar Elementary Education 2
Elective 3

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:
1. Completion of the Bachelor of Arts degree in Elementary Education.
2. A satisfactory experience in student teaching as determined by 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.

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 University 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 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 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 University courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-201 Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>P-325 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>TE-381 Secondary School Methods</td>
<td>3</td>
</tr>
<tr>
<td>TE-481 Secondary Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

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.)

1. Completion of a baccalaureate degree in Elementary Education.
2. A satisfactory experience in student teaching as determined by 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.

The following is a list of some of the teaching areas for which Idaho endorses certificates, regardless if 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 1974).

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.

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In addition, work in two of the following fields to be represented: world history, geography, sociology, economics, and anthropology.

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: physical, biological 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.

Foreign Languages

Credits must be in the language in which an endorsement is sought.

SECONDARY STUDENT TEACHING

Secondary Education Student Teaching for 1978-79—

Student teaching will be offered 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, English, and Music majors will teach the third nine weeks block (first nine weeks of second semester); the fourth block of nine weeks will service all science, art, 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.

NOTE: The Department of Teacher Education has under consideration a plan to move to a semester long student teaching program beginning the fall of 1979.

Concentrated Course Blocks and Student Teaching 1978-79—

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 by Departments

Art

Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices: (8-9 credits)
Production of Audio-Visual Materials, TE 356 (2)
Educational Psychology, P 325 (3)
Secondary School Methods, TE 381 (3)

Business

Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices: (8-9 credits)
Production of Audio-Visual Materials, TE 356 (2)
Speech Communication for Teachers, CM 311 (3)
Business Curriculum and Problems, BE 421 (3)
Secondary School Methods, TE 381 (3)

English

Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Secondary School Methods, TE 381 (3)

Music

Secondary School Methods, TE 381 (3)

Production of Audio-Visual Materials, TE 356 (2)
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.

Communications (Speech)

Student Teaching No. 4 (6 credits)
CCB No. 3
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Secondary School Methods, TE 381 (3)

English

Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
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.
SCHOOL OF EDUCATION

Foreign Languages
Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices:
- Production of Audio-Visual Materials, TE 356 (2)
- Educational Psychology, P 325 (3)
- Methods of Teaching Foreign Language, FL 310 (3)
- Secondary School Methods, TE 381 (3)

History
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices:
- Production of Audio-Visual Materials, 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
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices:
- Production of Audio-Visual Materials, TE 356 (2)
- Educational Psychology, P 325 (3)
- Foundations of Geometry, M 311 (3)
- Mathematics in Secondary Schools, M 490 (3)

Music
Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices:
- Production of Audio-Visual Materials, TE 356 (2)
- Secondary School Methods, TE 381 (3)
- Techniques and Methods of Coaching (Co-ed) PE 336 (2)
- Psychology of Activity, PE 401 (3)
- Organization and Administration of Interscholastic Athletics (Co-ed) PE 430 (2)

Physical Education
Student Teaching No. 1 (6 credits) CCB No. 2
CCB Choices (8-9 credits)
- Production of Audio-Visual Materials, TE 356 (2)
- Secondary School Methods, TE 381 (3)
- Women's Gymnastics (Co-ed) PE 336 (2)
- Speech Communication for Teachers, CM 311 (3)
- Educational Psychology, P 325 (3)

Sciences
Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices: (8 credits)
- Production of Audio-Visual Materials, TE-356 (2)
- Educational Psychology, P-325 (3)
- Secondary School Methods, TE-381 (3)

Social Science
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices: (8-9 credits)
- Production of Audio-Visual Materials 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)

Reading Education Center
This Center provides special services for college and public school students with specific problems in reading.

Areas of Specialty
- Students in education may select an area of specialty as a phase of the Elementary Education major or the Secondary Option in subject areas. Areas of specialty are: Early Childhood Education, Library Science, and Special Education. In some instances, students may need to extend the time sequence at the University in order to complete a specialty. Planning for the specialties should begin prior to the Junior year.

Early Childhood Education
Students may enroll in a program that will provide for a specialty in Early Childhood Education. The Elementary Education major should plan the program with the assistance and approval of the advisor and the consultant in Early Childhood Education. Some courses may be included in both the Elementary Education sequence and the Early Childhood sequence. A minimum of 21 hours, as designated below, is required.

A. Required Courses (total of 17 credit hours)
1. TE-461 Child Behavior in Early Childhood Education. 3 credits.
2. TE-462 Curriculum in Early Childhood Education. 3 credits.
3. TE-464 Teaching and Organizational Strategies in Early Childhood Education. 3 credits.
4. TE-465 Creating Materials in Early Childhood Education. 3 credits.
5. Student must complete TE-472. Elementary Student Teaching at the Kindergarten level. 5 credits.

B. Elective Courses (minimum of 4 credit hours)
1. PE-357 Dance for Children. 2 credits.
2. PE-359 Precep. Motor Prog's. for Kindergarten and Special Education Teachers. 2 credits.
3. TE-291 Educational and Psychological Implications for the Exceptional Child in School. 3 credits.
4. TE-371 Techniques in Student Motivation and Classroom Management. 3 credits.
5. TE-430 Diagnosis of the Mildly and Moderately Handicapped. 3 credits.
6. TE-431 Remediation of the Mildly and Moderately Handicapped. 3 credits.
7. TE-440 Instructional Materials for the Exceptional Child. 3 credits.
8. TE-496 Independent Study. 3 credits.

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

Placement
A Teacher Placement Service is maintained by the University 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.
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:

Introduction to Use of Libraries ........................................... 2
*Library Organization and Administration .................................. 3
*Reference and Bibliography .................................................. 3
*Basic Book Selection ....................................................... 3
*Cataloging and Classification .............................................. 3
**Children’s Literature. ..................................................... 3
Audio Visual Aids in Education ............................................ 2
Literature for the Adolescent ............................................. 3

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Special Education

Students desiring to teach exceptional children may enroll in one of the following programs and upon successful completion will meet requirements for Idaho Teacher Certification. Both programs have been designed to be pursued in a dual program with either the Elementary or Secondary Education major. The student should begin program planning as early as possible with the student’s advisor and a consultant from Special Education, thereby providing continuity and elimination of possible obstacles. Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major or 30 credit hours in the desired area of certification.

A. GENERALIST (EDUCATIONALLY HANDICAPPED)

This program enables a special education teacher to work with exceptional children who exhibit mild or moderate educational handicaps such as the mentally retarded, learning disabled, and emotionally disturbed, either in a resource room or a regular classroom.

1. Required Courses (27 credit hours)
   a. TE-171 Early School Experience ...................................... 1
   b. TE-271 Teaching Aide Practicum ...................................... 2
   c. TE-291 Education & Psychologica l Implications for the Excep. Child in School .................................................. 3
d. TE-371 Techniques in Student Motivation & Clasm. Mgmt. ......... 3
e. TE-401 Diagnosis of the Mildly/ Moderately Handicapped ........ 3
   f. TE-431 Remediation of Mildly/ Moderately Handicapped ........ 3
g. TE-440 Instructional Materials for Excep. Child .................... 3
   i. TE-499 Senior Seminar in Elem./ Spec. Ed. ....................... 2
   j. PE-359 Precep. Motor Prog’s. for Kindergarten & Sp. Ed. ...... 2

2. Elective Courses (minimum 6 credits)
   a. TE-440 Instructional Materials for Excep. Child .................... 3
   b. TE-450G Behavior Interv. Tech ....................................... 3
c. TE-462 Curric. in Early Childhood Education ........................ 3
d. TE-464 Teaching and Organizational Strategies in Early Child hood Education .................................................. 3
e. TE-496 Independent Study in Mental Retardation ....................... 3
   f. PE-357 Dance for Children ........................................... 2

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

PHYSICAL EDUCATION
DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

The Department of Health, Physical Education and Recreation offers a major in Physical Education with specialized options in Secondary Physical Education, Elementary Physical Education, Athletic Coaching, Athletic Training, Physical Education for the Exceptional Child, and Pre-Physical Therapy. Students who complete the major program in one of the options, except Pre-Physical Therapy, are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. The Pre-Physical Therapy option is designed for those students who are interested in pursuing a physical therapy degree that does not require teacher certification. Physical Education Minors are offered in Elementary Physical Education and Athletic Coaching.

Facilities:

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 and the recreation programs offered by the Student Union games area.

Elective Physical Education Activity Program:

EIGHT SEMESTER HOURS OF PHYSICAL EDUCATION ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

B. SEVERE RETARDATION

This program enables a special education teacher to work with exceptional children who exhibit severe handicapping conditions, probably requiring a self-contained placement.

1. Required Courses (24 Credits)
   a. TE-171 Early School Experience ...................................... 1
   b. TE-271 Teacher Aide Practicum ...................................... 2
d. TE-371 Techniques in Student Motivation & Clasm. Mgmt. ........ 3
e. TE-422 Curriculmn for Moderate-ly & Severely Handicapped .... 3
   f. TE-423G Teaching the Moderately & Severely Handicapped .... 3
   h. TE-499 Senior Seminar in Sp.Ed. .................................... 2
   i. PE-359 Precep. Motor Prog’s. for Kindergarten and Special Education .................................................. 2

2. Elective Courses (minimum 6 credits)
   a. TE-440 Instructional Materials for Excep. Child .................... 3
   b. TE-450G Behavior Interv. Tech ....................................... 3
c. TE-462 Curric. in Early Childhood Education ........................ 3
d. TE-464 Teaching and Organizational Strategies in Early Child hood Education .................................................. 3
e. TE-496 Independent Study in Mental Retardation ....................... 3
   f. PE-357 Dance for Children ........................................... 2
SCHOOL OF EDUCATION

The elective physical education program at Boise State University 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 level activities. No courses may be repeated for credit. **(Exception: PE 108 Adaptive Physical Education may be repeated for credit)

ELECTIVE ACTIVITIES ARE:

Dance:
- International Folk Dance
- Modern Dance
- Recreational Dance
- Social Dance

Individual Sports:
- Archery
- Badminton
- Billiards
- Bowling
- Fencing
- Golf
- Gymnastics
- Handball & Court Games
- Skiing
- Tennis

Martial Arts:
- Defensive Tactics
- Judo
- Karate
- Self Defense

Outdoor Recreational Activities:
- Backpacking & Camping
- Fly Casting & Fly Tying
- Target & Trap Shooting
- Bicycle Touring
- Cross Country Skiing
- Alpine Skiing
- Ice Skating

Physical Fitness Activities:
- Adaptive Physical Education
- Fitness Activities
- Jogging
- Weight Training
- Yoga

Team Sports:
- Basketball
- Field Hockey
- Touch Football
- Rugby
- Soccer
- Softball
- Team Handball
- Track & Field
- Volleyball

Water Activities:
- Kayak & Canoeing
- Advanced Life Saving

Skin & Scuba Diving
Spring Board Diving
Swimming
Water Polo
Water Safety Instruction

*More than one level of instruction is offered in this activity.

REQUIREMENTS FOR
PHYSICAL EDUCATION MAJOR
Bachelor of Science Degree

A student must complete the following requirements to receive a Baccalaureate degree in Secondary Physical Education:

1. The general University requirements for the Bachelor of Science Degree as listed in the BSU bulletin (pages 23) with specific requirements in areas I, II, and/or III as determined by the physical education department.
2. The general graduation requirements of the School of Education and the certification requirements of the State Department of Education as listed in the BSU Bulletin (pages 105-108). Students selecting the Pre-physical Therapy option need not fulfill this option.
3. The requirements of the Physical Education Department:
   (a) The 28 credit core requirement
   (b) All other required courses listed in the option of the students choice.

PHYSICAL EDUCATION CORE REQUIREMENTS
(Required of all Physical Education Majors)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 100</td>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PE 101</td>
<td>Introduction to Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>PE 105</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>PE 113</td>
<td>Basic Movement</td>
<td>1</td>
</tr>
<tr>
<td>PE 115</td>
<td>Gymnastics</td>
<td>1</td>
</tr>
<tr>
<td>PE 117</td>
<td>Field Sports</td>
<td>1</td>
</tr>
<tr>
<td>PE 141</td>
<td>Swimming</td>
<td>1</td>
</tr>
<tr>
<td>PE 149</td>
<td>Resistance Training and Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>PE 202</td>
<td>Principles of Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 230</td>
<td>Anatomical Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PE 304</td>
<td>Methods for Teaching Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 309</td>
<td>Evaluation in Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PE 310</td>
<td>Physiological Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PE 401</td>
<td>Psychology of Activity</td>
<td>3</td>
</tr>
<tr>
<td>PE 457</td>
<td>Organization and Administration of Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CORE REQUIREMENTS: 28 Credits

ATHLETIC TRAINER OPTION

GRADUATION REQUIREMENTS

(Satisfies Educational Requirements for N.A.T.A. Certification)

GENERAL COLLEGE REQUIREMENTS

<table>
<thead>
<tr>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3-6</td>
</tr>
<tr>
<td>Electives</td>
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</tbody>
</table>

AREA I

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

AREA II

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CM 111</td>
<td>Fundamentals of Speech Communication</td>
<td></td>
</tr>
<tr>
<td>or CM 311</td>
<td>Speech Communication for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

AREA III

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 103</td>
<td>Preparation for College Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>C 107-C 109 Essentials of Chemistry</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>C 108-C 110 Chemistry Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Z 111-Z 112 Human Anatomy and Physiology</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>
AREA II and/or AREA III
Electives .................................................................................................................. 3-4 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ......................................................................................... 28 Credits
HE 207 Nutrition ...................................................................................................... 3 Credits

Additional Physical Education Courses Required
PE 228, PE 305, PE 311, PE 402, PE 451, PE 493 (6 cr.), Coaching Methods (4 cr.) ........ 22 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 325 or P 312 ................................................................. 15 Credits
Electives ...................................................................................................................... 3 Credits

Additional Electives .................................................................................................... 6 Credits

Total ............................................................................................................................... 128 Credits

SECONDARY PHYSICAL EDUCATION OPTION

GRADUATION REQUIREMENTS

GENERAL COLLEGE REQUIREMENTS
English Composition .................................................................................................... 3-6 Credits

AREA I Requirements
Electives ....................................................................................................................... 12 Credits

AREA II
P 101 General Psychology ......................................................................................... 3 Credits
CM 111 Fundamentals of Speech Communication
or CM 311 Speech Communication for Teachers .................................................... 3 Credits
Electives ....................................................................................................................... 6 Credits

AREA III
C 103 Preparation for College Chemistry ................................................................. 1 Credit
C 107-C 109 Essentials of Chemistry ..................................................................... 6 Credits
C 108-C 110 Chemistry Laboratory ........................................................................ 3 Credits
Z 111-Z 112 Human Anatomy and Physiology ...................................................... 8 Credits

AREA II and/or III
Electives ....................................................................................................................... 3-4 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ......................................................................................... 28 Credits
HE 207 Nutrition ...................................................................................................... 3 Credits

Additional Physical Education Courses Required
PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) .............................................................. 19 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 312 ............................................................................... 15 Credits
Electives ....................................................................................................................... 3 Credits

Additional Electives .................................................................................................... 11 Credits

Total ............................................................................................................................... 128 Credits

ATHLETIC COACHING OPTION

GRADUATION REQUIREMENTS

GENERAL COLLEGE REQUIREMENTS
English Composition .................................................................................................... 3-6 Credits

AREA I Requirements
Electives ....................................................................................................................... 12 Credits

AREA II Requirements
P 101 General Psychology ......................................................................................... 3 Credits
CM 111 Fundamentals of Speech Communication
or CM 311 Speech Communication for Teachers .................................................... 3 Credits
Electives ....................................................................................................................... 6 Credits

AREA III Requirements
C 103 Preparation for College Chemistry ................................................................. 1 Credit
C 107 Essentials of Chemistry ................................................................................ 3 Credits
C 108 Chemistry Laboratory .................................................................................... 1 Credit
Z 107 Human Anatomy and Physiology ................................................................. 4 Credits
Electives ....................................................................................................................... 3-4 Credits

AREA II and/or III Electives ....................................................................................... 9 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ......................................................................................... 28 Credits
HE 207 Nutrition ...................................................................................................... 3 Credits

Additional Physical Education Courses Required
PE 143, PE 212, PE 357, PE 359, PE 361, PE 451, Coaching Methods (4 credits) ........ 15 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 312 ............................................................................... 15 Credits
Electives ....................................................................................................................... 3 Credits

SECOND TEACHING FIELD
Department Certification Requirements in Minor Field to be Satisfied ................................................................................................................................. 12 Credits Min.

TOTAL ............................................................................................................................ 128 Credits Min.

ELEMENTARY PHYSICAL EDUCATION OPTION

GRADUATION REQUIREMENTS

GENERAL COLLEGE REQUIREMENTS
English Composition .................................................................................................... 3-6 Credits

AREA I
MU 101 Music Fundamentals .................................................................................... 2 Credits

AREA II
P 101 General Psychology ......................................................................................... 3 Credits
P 311 Child Psychology .............................................................................................. 3 Credits
CM 111 Fundamentals of Speech Communication
or CM 311 Speech Communication for Teachers .................................................... 3 Credits
Electives ....................................................................................................................... 3 Credits

AREA III
C 103 Preparation for College Chemistry ................................................................. 1 Credit
C 107 Essentials of Chemistry ................................................................................ 3 Credits
C 108 Chemistry Laboratory .................................................................................... 1 Credit
Z 107 Human Anatomy and Physiology ................................................................. 4 Credits
Electives ....................................................................................................................... 3-4 Credits

AREA II and/or III Electives ....................................................................................... 9 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ......................................................................................... 28 Credits
HE 207 Nutrition ...................................................................................................... 3 Credits

Additional Physical Education Courses Required
PE 143, PE 212, PE 357, PE 359, PE 361, PE 451, Coaching Methods (4 credits) ........ 19 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 312 ............................................................................... 18 Credits
Additional Electives .................................................................................................... 13 Credits

Total ............................................................................................................................... 128 Credits

ELEMENTARY PHYSICAL EDUCATION MINOR

CREDITS

PE 100 Health Education ........................................................................................... 3 Credits
PE 101 Introduction to Physical Education ................................................................. 2 Credits
PE 105 First Aid ........................................................................................................... 1 Credit
PE 145 Professional Activities (Women) .................................................................. 2 Credits
PE 147 Professional Activities (Men) ......................................................................... 2 Credits
PE 148 Professional Activities (Men) ......................................................................... 2 Credits
PE 245 Professional Activities (Women) .................................................................. 2 Credits
Activities Electives (Men) .......................................................................................... 2 Credits
PE 163 Basketball (Women) ....................................................................................... 1 Credit
PE 165 Volleyball (Women) ........................................................................................ 1 Credit
PE 202 Principles of Physical Education .................................................................... 2 Credits
PE 228 Introduction to Athletic Injuries ...................................................................... 2 Credits
PE 230 Anatomical Kinesiology .................................................................................. 2 Credits
PE 310 Physiological Kinesiology .............................................................................. 2 Credits
PE 357 Dance for Children .......................................................................................... 2 Credits
PE 361 Elementary School Physical Education .......................................................... 2 Credits
SCHOOL OF EDUCATION

Methods ......................................................... 3
PE 451 Adaptive and Corrective Physical Education 2
Coaching Methods ........................................... 4

TOTAL ......................................................... 33

ATHLETIC COACHING MINOR

PE 100 Health Education ........................................ 3
PE 101 Introduction to Physical Education .................... 1
PE 105 First Aid ................................................ 2
PE 145 Professional Activities (women) or
PE 147 Professional Activities (men) ......................... 2
PE 228 Introduction to Athletic Injuries ................. 2
PE 230 Anatomical Kinesiology ................................. 2
PE 304 Secondary School Physical Education Methods .... 2
PE 310 Physiological Kinesiology ............................. 2
PE 202 Principles of Physical Education .................. 2
PE 401 Psychology of Activity ................................ 3
PE 430 Organization and Administration of
Athletics ......................................................... 2
PE 493 Internship in Physical Education (Coaching) .... 3
Coaching Methods ............................................ 6

TOTAL .......................................................... 32

PHYSICAL EDUCATION FOR THE
EXCEPTIONAL CHILD OPTION

Physical Education Core Program .......................... 28
Professional Activity Electives ................................ 5
PE 202 Principles of Physical Education .................. 2
PE 228 Introduction to Athletic Injuries ................. 2
PE 361 Elementary School Physical Education
Methods ......................................................... 3
PE 359 Kindergarten & Special Education Physical
Education Methods ............................................ 2
PE 357 Dance for Children ..................................... 2
PE 451 Adaptive & Corrective Physical Education .... 2

TOTAL .......................................................... 46

PRE-PHYSICAL THERAPY OPTION

Physical Education Core Program .......................... 28
Professional Activities Electives ......................... 2
PE 228 Introduction to Athletic Injuries ................. 2
PE 202 Principles of Physical Education .................. 2
PE 311 Biomechanical Kinesiology ......................... 2
PE 402 Athletic Training & Sports Medicine ............ 3
PE 451 Adaptive & Corrective Physical Education .... 2
PE 493 Internship in Physical Education (Physical
Therapy) .......................................................... 6

Total .......................................................... 47

DEPARTMENT OF
PSYCHOLOGY

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 prepa-
ration to perform psychological services. Rather, he should think of it
as (1) a demonstration of educational attainment, like any other suc-
cessful academic experience, and (2) preparation for more special-
ized training in professional or academic psychology or in some rela-
ted field.

Any student who is planning a career of counseling in the
schools should major either in Elementary Education or in some sub-
ject-matter area that includes a Secondary Education Option. Psy-
chology courses often are explicitly prescribed parts of such pro-
grams, additional courses may be taken as electives.

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 Depart-
ment.

REQUIREMENTS FOR
PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science

CREDITS

I. 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
   History/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 ........................................................ 18
   Mathematics for the Life Science,
   M-115-116 ...................................................... 10
   Human Physiology and Anatomy,
   Z-11-112 ....................................................... 8

II. Upper Division:

A. Psychology .................................................... 25
   1. Statistical Methods P-305 ................................. 3
   2. Experimental Psychology P-32 .......................... 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 (37-40 credits)

NOTE: Only 12 SPECIAL TOPICS credits may be used in meeting
college core requirements.

*Suggested Program

1ST SEM. 2ND SEM.

FRESHMAN YEAR:

*English Comp. E-101, 102 .................................. 3 3
Intro. to Art, Drama, Music or Humanities ............... 3 3
*Human Physical and Anat., Z-111-112 .................. 4 4
History of Western Civ. H-101 and H-102 ............... 3 3
*General Psychology, P-101 ............................... 3 3
Elective ......................................................... 4 4

16 17

1ST SEM. 2ND SEM.

SOPHOMORE YEAR:

Literature ................................................................ 3 3
*Math for Life Sciences, M-115, 116 ....................... 5 5
Physical and Cultural Anthropology, AN-201, 202 .... 3 3
*Physiological Psych., P-225 ................................ 3 3
Intro to Practice of Psych., P-201 ......................... 3 3
Elective* .......................................................... 4 3

18 17
 dances and movement exploration. Either semester.

102 Basic Movement (Coed) (1 credit). Professional Activities. Instruction and practice in

103 Beginning Yoga (Coed) (1 credit). Gentle yoga exercises of stretching and controlled breathing. Emphasis upon flexibility, balance, relaxation, meditation, and integration of body and mind. Either semester.

104 Physical Education (Coed) (1 credit). Required of all P.E. Majors. Each semester.

105 Introduction to Physical Education (Coed) (1 credit). Required of all prospective Physical Education Majors. An orientation course designed to give the prospective physical education teacher an understanding of what is involved in the profession: duties of physical education teachers, professional organizations, policies, opportunities, certification requirements. First semester.

106 Adaptive Physical Education (Coed) (1 credit). A fundamental body mechanics, posture and corrective exercise program designed to offer assistance to men and women who, for various reasons, are unable to participate in a regularly scheduled activity class. Students may be referred into the adaptive class where they can benefit from: (1) Help correct or rehabilitate their physical problems; (2) Avoid losing credit from an activity class they can no longer participate in. The course may be repeated for credit. Either semester.

107 Archery (Coed) (1 credit). The course is designed for the beginning archery student to learn bow and arrow techniques, bow construction and maintenance of bows. Emphasis will be placed on the development of skill and accuracy. Either semester.


109 Beginning Golf (Coed) (1 credit). The course is designed for the beginning golf student to provide instruction in the fundamentals of the game of golf. The student will also be acquainted with the rules, regulation and proper etiquette of the game. Either semester.

110 Beginning Basketball (Coed) (1 credit). The course consists of participation in the sport of team handball. Emphasis will be placed on the natural skills of running, jumping, throwing, and catching. Basic offensive and defensive strategies and rules of the game will be taught. Either semester.

111 Beginning Self-Defense (Coed) (1 credit). The defensive tactics are presented in the progressive 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. Either semester.

112 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 picking yourself up. Students will furnish their own Gi. Either semester.

113 Beginning Handball (Coed) (1 credit). The course consists of participation in field hockey with consideration of fundamental skills, rules, and basic team strategy. Fall semester.

114 Beginning Field Hockey (W) (1 credit). The course consists of participation in field hockey with consideration of fundamental skills, rules, and basic team strategy. Spring semester.

115 Beginning Archery (Coed) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

116 Beginning Judo (Coed) (1 credit). A science of self-defense based on the theory of energy conservation. The essence of Judo is the control of the mental and physical powers possessed by all human beings. Students will furnish their Gi. Either semester.

117 Beginning Basketball (W) (1 credit). The course consists of participation in basketball with consideration of fundamental skills, rules, and basic team strategy. Either semester.

118 Beginning Badminton (Coed) (1 credit). A course designed to improve the knowledge and skill of the student. The course includes folk, square, round, mixer, and basic social dances. Either semester.

119 Beginning Yoga (Coed) (1 credit). Gentle yoga exercises of stretching and controlled breathing. Emphasis on flexibility, balance, relaxation, meditation, and integration of body and mind. Either semester.

120 Beginning Yoga (W) (1 credit). The course consists of participation in yoga with consideration of fundamental skills, rules, and basic team strategy. Spring semester.

121 Beginning Sociology (M) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

122 Beginning Archery (M) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

123 Beginning Archery (W) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

124 Beginning Archery (Coed) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

125 Beginning Archery (W) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

126 Beginning Archery (Coed) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

127 Beginning Archery (M) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

128 Beginning Archery (W) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

129 Beginning Archery (Coed) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

130 Beginning Archery (W) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.

131 Beginning Archery (Coed) (1 credit). Participation in Archery with emphasis on skill development, rules, and team strategy. Either semester.
SCHOOL OF EDUCATION

191 Alpine Skiing (Coed) (1 credit). An introduction to the various techniques of skiing. Students will pay an instruction fee and lift fee at Bogus Basin. Students will furnish their equipment and must be able to travel. Spring semester.

192 Defensive Tactics (Coed) (1 credit). The course consists of physical defense against one or more persons; personal arrest, control and restraint, familiarization with control devices, definition and application of that force which is reasonable and necessary, individual and basic tactics. Students will furnish Gs. Prerequisite: For Criminaline Majors only. Either semester.

193 Touch Football (M) (1 credit). A class designed to teach technique and skills of touch football, with an emphasis on playing procedures. Students will be introduced to a variety of playing activities where old and new skills can be used. Fall semester.

194 Cross-Country Skiing (Coed) (1 credit). This class is designed to give the student working knowledge of Cross-Country travel, as preparation and safety. Students will participate in the winter travel program. Students will furnish their equipment and pay an instruction fee. Spring semester.

204 Internship in Physical Education (Coed) (2 credits). Course content consists of philosophy of physical education, physical education's role in general education, changing concepts of physical education, history and principles of physical education. Prerequisite: Introduction to Physical Education PE 101 and Sophomore standing. Either 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 gymnastics. The student will develop balance, coordination, and movement control leading to dance choreography and production work. Prerequisite: PE 133, Modern Dance or experience. Either 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 non-aggressive application of the natural laws of gravity and force. It is designed to teach the student more skill in the techniques learned in Beginning Self-Defense. Students will furnish their Gs. Prerequisite: PE 175 or experience. Either semester.

210 Advanced Archery and Bowling (Coed) (1 credit). Professional Activities. Instruction and practice in archery and bowling (Required In some options). Either semester.

219 Advanced Self-Defense using Aikido, Judo and Karate, teaching coordination of the mind and body and non-aggressive application of the natural laws of gravity and force. It is designed to teach the student more skill in the techniques learned in Beginning Self-Defense. Students will furnish their Gs. Prerequisite: PE 175 or experience. Either semester.

220 Archery and Bowling (Coed) (1 credit). Professional Activities. Instruction and practice in archery and bowling (Required In some options). Either semester.

222 Introduction to Athletic Injuries (Coed) (2 credits). An introduction to Athletic training, care prevention, and rehabilitation. The role of the Athletic Trainer, qualifications and responsibilities, as they relate to physical education and athletics. Control and care of injuries. Prerequisite: C 107 & Z 107 or Z 130 and Sophomore standing. Either semester.

230 Beginning Kinesiology (Coed) (2 credits). An overview of the structure and motion capabilities of the human musculoskeletal system. Emphasis will be placed on the analysis of movement through the study of individual muscles, muscle groups, muscles as a matrix, ligaments, bone surfaces and articular anatomy. Prerequisite: C 107 & Z 107 or Z 130 and Sophomore standing. Either semester.

233 Advanced Modern Dance (Coed) (1 credit). Continuing technique study encompassing flexibility, balance, coordination and movement control leading to dance choreography and production work. Prerequisite: PE 133, Modern Dance or experience. Either semester.

235 Advanced Karate (Coed) (1 credit). This course provides for continuation of the techniques learned in Beginning Karate. Instruction will be given in greater depth in the art of Karate. Participants will be encouraged to seek degrees of rank. Students will furnish their own Gs. Prerequisite: PE 135 or experience. Either semester.

241 Tennis and Badminton (Coed) (1 credit). Professional Activities. Instruction and practice in Tennis and Badminton (Required in some options) Either semester.

243 Beginning Tennis and Badminton (Coed) (1 credit). The course covers basic skills for women on the tennis court, uneven parallel bars, balance beam, sidehorse, and tumbling. Either semester.

248 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 PE 161. Either semester.

253 Beginning Gymnastics (M) (1 credit). This course covers basic skills for women on the trampoline, uneven parallel bars, balance beam, sidehorse, and in tumbling. Either semester.

263 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 PE 161. Either 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 experience. Either semester.

265 Intermediate Badminton (M) (1 credit). The course consists of participation in badminton with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or PE 163. Either semester.

266 Beginning Synchronized Swimming (Coed) (1 credit). Participation on a higher skill level. Emphasis will be on position play, strategy, and development of team play. Prerequisite: Playing experience or PE 173. Either semester.

267 Advanced Synchronized Swimming (Coed) (1 credit). Participation on a higher skill level. Emphasis will be on position play, strategy, and development of team play. Prerequisite: Playing experience or PE 173. Either semester.

275 Beginning Sociometry (M) (1 credit). A course designed to provide the novice swimmer with a specific goal of helping each student to develop the skill required in progressing from simple stunts to basic routines. Prerequisite: Experience or PE 206. Either semester.

281 Intermediate Swimming (Coed) (1 credit). A review of basic skills and strokes, plus optional strokes, appropriate self-rescue skills, games, diving, and contests. Prerequisite: Swim 50 yards. Either semester.

282 Advanced Lifesaving (Coed) (1 credit). This ARC swimming course includes: personal safety, self-rescue skills, and rescue training. Prerequisite: Good health and ability to swim 500 yards. Either semester.

283 Water Safety Instructor's Course (Coed) (2 credits). The course includes: A review of the ARC swimming course, teaching technique, introduction to those courses of general information for instructors, and practice teaching. Satisfactory completion of the course qualifies the student for an ARC WS Certificate. Prerequisite: A current ARC Ad- vanced Lifesaving, Swimming Certificate and an ARC swimmer level of skill and an interest in teaching. Either 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 PE 181. Either 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. Either semester.

287 Intermediate Fencing (Coed) (1 credit). A review of basic skills and strategies; advanced techniques and bout practice with electrical equipment. Introduction of competitive fencing including judging and directing skills. Prerequisite: 286 or experience. Either 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: PE 190 or experience. Either semester. Bowling fee approximately $10.00.

Upper Division

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. Prerequisite: 153 or 153A.

304 Methods for Teaching Physical Education (Coed) (2 credits). Program development, methods of instruction in Physical Education. The purposes and requirements of the physical education program, with emphasis on program planning, methods, and the utilization of instructional aids. Prerequisite: Professional activities—4 hours or junior standing. Required of all PE Majors. Either semester.

305 Personal and Public Health Problems (Coed) (3 credits). An indepth study of the current issues and trends in health programming and education. Designed to present the student with a progressive health topic sequence of instruction. An emphasis will be placed upon the development of personal individual and social problems. Prerequisite: PE 130 and Junior standing. Either semester.

309 Evaluation in Physical Education (Coed) (3 credits). Review of basic mathematical concepts related to statistical analysis; mechanical principles of instructions. Prerequisite: Junior standing. Either semester.

310 Physiological Kinesiology (Coed) (2 credits). The effects of exercise and training on the systems of the body and emphasis on the preparation of training programs for specific activities. Prerequisite: Anatomical Kinesiology PE 230 and Junior standing. Either semester.

311 Biomechanical Kinesiology (Coed) (2 credits). The application of the principles of mechanics and laws of physics in analyzing the movement of men and in teaching fundamentals of physical education. Emphasis of Corrective Kinesiology PE 230 and Junior standing. Either semester.

319 Techniques and Methods of Coaching Football (Coed) (2 credits). Details of teaching individual fundamentals, offensive and defensive play, strategy, and conditioning of players. Prerequisite: Junior standing. Either semester.

320 Techniques and Methods of Coaching Wrestling (Coed) (2 credits). Offense and defense in wrestling, equipment and training; meets and tournaments; wrestling styles and conditioning and facilities. Prerequisite: Junior standing. Either semester.

323 Techniques and Methods of Coaching Basketball (Coed) (2 credits). Methods of coaching offense and defense, styles of play and basketball strategy. Prerequisite: Junior standing. Either semester.

324 Techniques and Methods of Coaching Baseball (Coed) (2 credits). Team leadership and organization, selection and evaluation of personnel, practice organization, playing fundamentals, offensive and defensive strategies of the game of baseball. Prerequisite: Junior standing. Either semester.

327 Techniques and Methods of Coaching Track and Field (Coed) (2 credits). The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing. Either semester.

336 Techniques and Methods of Coaching Women's Gymnastics (Coed) (2 credits). Techniques of teaching and coaching gymnastics. Emphasis is placed on high beam, balance beam, floor exercises, and conditioning. Prerequisite: Junior standing and PE 208 or PE 253. Either semester.

341 Dance Techniques (Coed) (2 credits). A course in methods of teaching dance in secondary and post secondary areas. Areas included are folk and square dance, social dance, modern dance, and rhythmic gymnastics. Prerequisite: Junior standing and PE 184 or experience. Either semester.

357 Dance for Children (Coed) (2 credits). The analysis of the fundamentals. The development of skills, and the application of methods in teaching dance in Kindergarten. Special emphasis is placed on progressions, offensive and defensive movement, singing games. Danish gymnastics, folk dance, square dance, round dances and mixers, fitness to music and creative dance. Prerequisite: Kindergarten physical education.

359 Perceptual Motor Program for Preschool and Special Education Teachers (Coed) (2 credits). This class is designed for future kindergarten and special education teachers or physical education specialists. Emphasis is placed on the perceptual motor development of children; theory, diagnosis, treatment, planning, methods and materials. Prerequisite: PE 361 and Junior standing. Fall semester.

361 Elementary School Physical Education Methods (Coed) (3 credits). The class is designed for those elementary school teachers, and elementary school physical education specialists, with emphasis on the movement needs of children, the analysis of fundamental
PSYCHOLOGY

Lower Division

101 General Psychology (3 credits). An introductory course in psychology and a prerequisite to most other psychology courses. Theory and terminology are major concerns in the treatment of such topics as the history of psychology, growth and development, the biological system, learning, thinking, individual differences, personality and adjustment. Recommended (not required) 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 lectures and discussions, with psychologists who are employed in a wide variety of specific occupations. Prerequisite: General Psychology 101 and consent of instructor. Spring semester.

225 Psychological Physiology (3 credits). A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information with an emphasis to most other psychology courses. Theory and terminology are major concerns in the treatment of such topics as the history of psychology, growth and development, the biological system, learning, thinking, individual differences, personality and adjustment. Recommended (not required) preparation. One year of college-level science. Each semester.

Upper Division

(NOTE: Upper-division psychology courses are saved for upper-division students.)

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. 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 physical growth and development, and to problem areas. Student may not earn credits in this course and in Human Growth and Development F-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 specific problems of adolescent growth and adjustment. Consideration will be given to maturational and social patterns, and to behavioral, intellectual, and emotional problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. 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 recent day research on the receptor processes. Prerequisite: General Psychology 101. Spring semester.

351 Personality (3 credits). A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology 101. Fall semester.


357 Peer Counseling: The Helping Relationship (3 credits). This course will explore relevant aspects of the helping relationship, especially those aspects of helping people that will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio- and especially videotaping and group activities. The others relating to the self and others with practical application will be discussed. This class will be advantageous for dormitory resident assistants and students in future competition for these student positions, teacher education students, community mental health paraprofessionals, teachers, counselors, and other professionals. Prerequisite: Psychology 101. Pass-fail. Limited enrollment. Fall semester.

401 Senior Review Practicum (3 credits). A systematic coverage of the general principles and essential details of psychology and an opportunity to teach them to others. Seminars for some types of problems related to the materials covered. Practical experience in managing large classes and especially in rendering academic assistance to beginning students. Seminar discussion of difficulties encountered by these students and test anxiety and poor study habits & of methods of presenting subject-matter. Prerequisites: Senior or second semester junior standing in psychology with an upper-division GPA above 3.0. Plus selection by the Department. Each semester.

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 and covariance, multiple regression, and transformations. Other topics include multiple correlation techniques, analysis of covariance, nonparametric statistics, and contemporary controversies in the logical and practical statistical methods. Prerequisite: General Psychology 101. Fall semester.

410 Psychological Measurement (3 credits). An introduction to the theory and nature of psychological measurement physical, and psychological aspects of a survey of types of measurement devices commonly used. Prerequisite: General Psychology 101, Mathematics for the Life Sciences M-115-116 and Statistical Methods M-305. Fall semester.

411 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 groups of individuals and organizations. This course may be taken for Psychology 305 credit but not for Psychology 101. Prerequisite: General Psychology 101 and Introduction to Sociology 101. Each semester.


417 Learning (3 credits). Fundamental concepts of learning, emphasis on recent developments in the field. Topics to be covered. Classical and instrumental conditioning, operant conditioning, role playing, studies of animal behavior. Prerequisites: General Psychology 101 and Psychology 230, 3 credits. Prerequisite: PE 230, one Coaching Methods class or Junior or Senior standing. Each semester.
356 Production of Audio Visual Materials (2 credits). Motion pictures, graphic materials, filmstrips, slides, and audio materials to acquaint the student with production in the operation of audio-visual equipment commonly found in the elementary classroom. Fall semester.

361 Elementary School Media (1 credit). The second semester of Elementary School Media, is designed to give elementary teachers experience in the production and utilization of instructional materials and audio-visual equipment. More advanced skills are taught in this class. 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 and Summer semesters.

430 The Diagnosis of the Mildly and Moderately Handicapped (3 credits). The course is designed to develop an understanding of children with mild disabilities. Fall semester.

431 The Remediation of the Mildly and Moderately Handicapped (3 credits). Emphasis is placed on the recognition and development of the prescriptive educational needs of the students with mild disabilities. The course provides the teacher with tools for programming in the educational program needed for the improvement and positive 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 formed. Fall semester.

450 Behavior Intervention Techniques (3 credits). This course is designed for teachers, counselors, and administrators to gain understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be based upon the Learning Model and a study of behaviors that are subject to and the relationship of their behavior to the environment. Prerequisite: TE 291. Spring semester. Summer.

451 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. To be taken concurrently with Student Teaching 471. Fall semester.

452 Elementary Curriculum and Methods II (3 credits). The second semester of Elementary Curriculum and Methods and with an emphasis upon social studies, science, and mathematics. However, all aspects of curriculum are included. Prerequisite: Elementary Curriculum and Methods I. Fall semester.

461 Child Behavior in Early Childhood Education (3 credits). The influence of home and school environments will be examined in relation to child behavior. The role of family, emotions, concept formation, and personality development will be emphasized. Special interest areas such as sex education, moral development, creativity, and multi-cultural aspects will be explored. The use of various approaches in working with children will be individualized to meet the needs of the student. Spring semester.

462 Curriculum in Early Childhood Education (3 credits). All areas of the curriculum will be explored. Various early childhood curriculums from national programs will be examined. The processes and materials for intellectual and language development examined and utilized. Fall semester.

464 Teaching and Organizational Strategies in Early Childhood Education (ages 0 thru 8) (3 credits). Learning Centers, instructional materials, (software and hardware) individualization of instruction, small and large group instruction and video equipment will be covered. This includes games, songs, movement, and classroom management. Also included is the observation of the use of materials and media in classroom situations. The needs of children speaking English as a second language are considered.

465 Creating Materials in Early Childhood Education (ages 0 thru 8) (3 credits). Students will learn to make, for their classrooms, materials and materials of instruction. Students will be exposed to the developmental needs of each child. Materials will be considered along with techniques for evaluating their progress. The use of British Infant and Primary Schools will be explored in depth as well as various soils open-classroom models. Spring semester.

466 Curriculum in Early Childhood Education (ages 0 thru 8) (3 credits). Students will learn to make, for their classrooms, materials and materials of instruction. Students will be exposed to the developmental needs of each child. Materials will be considered along with techniques for evaluating their progress. The use of British Infant and Primary Schools will be explored in depth as well as various soils open-classroom models. Spring semester.

470 Elementary Student Teaching (3 credits). Observation and supervised teaching in the schools of Boise. Fall semester.

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 451. To be taken concurrently with Elementary Curriculum and Methods TE 452. Spring semester.

473 Elementary Student Teaching in Special Education (5 credits). Observation and supervised teaching in special education. Prerequisites: (1) Admission to Teacher Education. Completion of Secondary Methods, or a special methods course in the teaching area with a minimum grade of "C". (2) A cumulative GPA of 2.50 in major coursework. (3) Certification by the state agency. (4) Performance of satisfactory teaching in special education. Prerequisites: Required course work in special education and approval for placement in a special education classroom. Fall semester.

474 Elementary Student Teaching (3 credits). Supervised student teaching in a secondary school. Prerequisites: (1) Admission to Teacher Education. Completion of Secondary Methods, or a special methods course in the teaching area with a minimum grade of "C". (2) A cumulative GPA of 2.50 in major coursework. (3) Certification by the state agency. (4) Performance of satisfactory teaching in special education. Prerequisites: Required course work in special education and approval for placement in a special education classroom. Fall semester.

488 Senior Seminar—Elementary/Special (2 credits). Fall semester.

499 Senior Seminar—Elementary/Special (2 credits). Spring semester. A course designed to assist prospective elementary or special education teachers in effectively dealing with key problems associated with active entrance into the teaching profession. Offered each semester concurrent with Elementary Student Teaching. This course provides in-depth consideration of (1) interpersonal communication, (2) ethical behavior, (3) use of special resources, (4) role of professional associations, and (5) controversial issues in teaching. Consideration is also given to various sub-themes as well as group and individual student counseling sessions.

Lower Division

101 Introduction to Use of Books and Libraries (2 credits). Teaches efficient use of library materials, card catalog, indexes, reference books and special collections. Open to any student but designed primarily for freshmen, sophomores and transfer students.

102 Basic Library Skills (1 credit). An independent, self-paced, self-directed course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library. The course is designed for incoming students who are not familiar with an academic library, and for returning students who have difficulty using the college library in the past. No tests will be given, but conferences may be held. All assignments must be satisfactorily completed to receive credit. (credit, no credit basis).

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SCHOOL OF EDUCATION

MOMSTER OF ARTS IN ELEMENTARY EDUCATION

General Requirements

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who have some professional relationship to elementary education. Candidates must show promise of meeting the standards set by the School of Education as well as the specific regulations of the particular program for which they apply.

Applicants for regular status in the program must have maintained a grade point average of at least 3.00 for the last two years of undergraduate study, or an overall grade point average of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

The name of the faculty member who will serve as chairperson of the candidate's committee is listed in the letter of acceptance to the applicant. Candidates should contact the assigned committee chairperson (advisor) as soon as possible in order to plan a program.

Courses are as follows:

1. Core program of 9 credit hours, consisting of TE-570-571, TE 563 and two 1-credit hour classes, is required of each candidate.

Courses are as follows:

- TE-570-571 Comprehensive Core for Elementary Education (total of 6 credits). The comprehensive core includes a number of presentations on current issues in education. Presentations are followed by discussions within small groups. A culminating activity is the development of a paper presenting the student's position or view regarding a particular issue. Summer.
- TE-563 Conflicting Values Influencing Education (1 credit). This course will analyze ideological positions which have affected educational programs and policies. Each student will be asked to carefully consider his own values and analyze how these positions affect his mode of classroom operation. Summer.

2. Two 1-credit hour classes from the following list:

- TE-555 Interpreting Education Research (1 credit). Summer. (See secondary courses for description)
- TE-556 Learning Theory and Classroom Instruction (1 credit). Summer. (See secondary courses for description)
- TE-557 Teaching Subject Content Through Reading (1 credit). Summer. (See secondary courses for description)
- TE-558 Techniques of Classroom Management (1 credit). Summer. (See secondary courses for description)
- TE-559 Testing and Grading (1 credit). Summer. (See secondary courses for description)
- TE-573 Creative Teaching—Elementary School (1 credit). A mini-course for elementary teachers seeking to explore factors associated with creativity, establishing creative learning environments and techniques and strategies enhancing creative and productive expression in the elementary school classroom. Special emphasis is placed on designing usable classroom techniques for creative teaching, and on evaluating growth in creativity of children. Prerequisite: Graduate Status. Summer.

II A Thesis/Project, as mutually agreed upon by the candidate and the committee, is required of each candidate. Selection of a thesis implies a research emphasis with a thesis format. Selection of a project implies a project directly related to instruction or some other aspect of the elementary program.


CURRICULUM AND INSTRUCTION

(Courses and Requirements)

Twelve semester hours of credit must be chosen from courses in this elective area. At least one course must be selected from Cluster I and From Cluster II.

Cluster I (Choose at least one course)

- 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, reading, dictionary skills, word attack skills and comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed. Each semester and summer.
- TE-610 Advanced Practices and Principles in Teaching Social Science (3 credits). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed. Fall semester.
- TE-511 Advanced Practices and Principles in Teaching Elementary Mathematics (3 credits). A study will be made of the number abilities needed by children, the methods needed in providing number experiences, desirable teaching procedures, use of materials, and research findings in mathematics. Spring semester.
- TE-512 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3 credits). Emphasis will be given to the role of language arts and linguistics in the elementary school curriculum, stressing the newer approaches to language development, spelling, writing, listening-speaking skills. Summer.
TE-513 Advanced Practices and Principles in Teaching Elementary Science (3 credits)
Current practices and principles in modern elementary science concepts will be developed. Participation and reference will be made to selecting and organizing content and experimental activities. Fall semester.

Cluster II (Choose at least one course)

TE-505 Individual Tests and Measurements (3 credits). An intensive investigation is pursued of current techniques and methods for the classroom teacher in developing skills for working with pupils with exceptional abilities will be studied. Spring semester.

TE-515 Development of Skills for Teaching Pupils with Learning Disabilities (3 credits)
A study of the techniques and methods applicable for use by the classroom teacher in developing skills with pupils with learning disabilities will be the major emphasis of this course. Prerequisite: TE-430 or TE-431. Fall semester.

TE-516 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 pupils with mental retardation will be studied. Prerequisite: TE-420 or TE-421. Spring semester.

P-501 Counseling and Consulting in the Elementary and Special Classroom (3 credits).
An intensive study of classroom behavior with special attention to causes and purposes of the various behaviors. The course includes the practicing of processes considered effective in bringing about changes in inappropriate behaviors. Classroom counseling and consultative processes fundamental in serving the several areas of the exceptional child are also practiced. Emphasis is placed on psychological processes important to the child's development and consulting with others who need to understand the child. Prerequisite: P-101 General Psychology. Each semester and summer.

P-502 Advanced Educational Psychology (3 credits). A study of contemporary issues involving educational and psychological 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 General Psychology and P-201. Fall, each semester. (Not repeated)

P-503 Individual Testing Practicum (3 credits). Emphasis in the course will be 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 P 305 and Psychological Measurement P 421. Open to qualified seniors with consent of instructor. Limited enrollment. Spring 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. Spring semester.

P-505 Personality Development (3 credits). Critical consideration of the main personality theories and the emphasis those theories place on 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 Psychology. Fall semester.

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. Spring semester.

Additional Elective Courses

TE-502 Diagnosis of Reading Problems (3 credits). (See Reading emphasis for course description) Fall semester and Summer.

TE-503 Remediation of Reading Problems (3 credits). (See Reading emphasis for course description) Spring semester and Summer.

TE-504 Individual Tests and Measurements (3 credits). An intensive investigation is pursued of current techniques and methods for the classroom teacher in developing skills for working with pupils with exceptional abilities will be studied. Spring semester.

TE-516 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 pupils with mental retardation will be studied. Prerequisite: TE-420 or TE-421. Spring semester.

P-501 Counseling and Consulting in the Elementary and Special Classroom (3 credits).
An intensive study of classroom behavior with special attention to causes and purposes of the various behaviors. The course includes the practicing of processes considered effective in bringing about changes in inappropriate behaviors. Classroom counseling and consultative processes fundamental in serving the several areas of the exceptional child are also practiced. Emphasis is placed on psychological processes important to the child's development and consulting with others who need to understand the child. Prerequisite: P-101 General Psychology. Each semester and summer.

P-502 Advanced Educational Psychology (3 credits). A study of contemporary issues involving educational and psychological 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 General Psychology and P-201. Fall, each semester. (Not repeated)

P-503 Individual Testing Practicum (3 credits). Emphasis in the course will be 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 P 305 and Psychological Measurement P 421. Open to qualified seniors with consent of instructor. Limited enrollment. Spring 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. Spring semester.

P-505 Personality Development (3 credits). Critical consideration of the main personality theories and the emphasis those theories place on 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 Psychology. Fall semester.

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. Spring semester.

Candidate complete 12 to 15 credit hours within the area of emphasis. The remaining 3 to 6 credits may be selected from the offerings previously listed.

READING

(Courses and Requirements)

Candidates complete 12 credit hours as listed. The remaining 6 credits may be selected from the offerings previously listed.

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. Each semester and summer.

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits) The role of the special reading teacher and his role 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. Fall, each semester and Summer.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Remediation approaches and techniques for disabled readers is emphasized. Reading is fostered by tutoring a child under supervision in the Reading Center. Prerequisite: TE-502. Spring semester and Summer.

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 how to read Research is included. Instruction in Reading Research in reading is developed. Prerequisite: TE-503. Fall semester and Summer.

SPECIAL EDUCATION

(Courses and Requirements)

LEARNING DISABILITIES

(Courses and Requirements)

Candidates complete 13 credit hours of the required listing. The remaining hours are to be selected from the elective listing.

Required (13)

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). See description under Reading. Fall semester and Summer.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). See description under Reading. Prerequisite: TE-502. Spring semester and Summer.

TE-515 Development of Skills for Teaching Pupils with Learning Disabilities (3 credits). See description under Cluster II. Fall semester.

TE-590 Practicum in Learning Disabilities (4 credits). Students will be placed in practicum sites that will provide actual educational experiences with children identified as having learning disabilities. The sites will vary depending on the student's opportunity to observe, assist and instruct the students having learning disabilities thereby developing the necessary skills to be a teacher of the learning disabled. Each semester and Summer.

Electives (5)

TE-440 Instructional Materials for the Exceptional Child (3 credits). See description under Upper Division listings. Fall semester.

TE-4500 Behavior Intervention Techniques (3 credits). See description under Upper Division listing. Prerequisite: Upper division psychology course. Spring semester and Summer.

TE-523 Emotionally Disturbed Child in the Classroom (3 credits). The course is designed to assist teachers in understanding the educational and psychological needs of the emotionally disturbed child in the classroom. Emphasis is placed on developing techniques to facilitate the growth and development of the emotionally disturbed child. Fall semester and Summer.

PE-594 Physical Education in Special Education (2 credits). The course is designed to acquaint students with the theories of motor perceptual activity as well as to involve them in hands-on activity approach to activity. Students will develop skills in identifying motor problems and plan the remedial needs for correction. Summer.

P-501 Counseling and Consulting in the Elementary and Special Classroom (3 credits). Prerequisite: P-101 General Psychology. See description under Cluster II. Each semester and Summer.

P-508 Personality Development (3 credits). Prerequisite: P-101 General Psychology. See description under Cluster II. Fall semester.

MENTAL RETARDATION

(Courses and Requirements)

Candidates complete 13 credit hours of the required listing. The remaining 5 hours are to be selected from the elective listing.

Required (13)

TE-4500 Behavior Intervention Techniques (3 credits). See description under Upper Division listing. Prerequisite: Upper Division psychology course. Spring semester and Summer.

TE-517 Development of Skills for Teaching the Mentally Retarded (3 credits). See description under Cluster II. Fall semester.

TE-590 Practicum in Mental Retardation (4 credits). Students enrolling in this course shall be placed in actual educational experiences with children identified as being mentally retarded. Specific needs of the individual shall dictate placement and type of experiential exposure. It is the intent of this course to develop a person with the desired skills required for teaching the mentally retarded. Each semester and Summer.

P-501 Guidance and Consulting in the Elementary and Special Classroom (3 credits). See description under Cluster II. Prerequisite: P-101 General Psychology. Each semester and Summer.

Electives (5) (Only 6 credit hours of undergraduate courses in a program.

TE-422 Curriculum for the Severely Handicapped (3 credits). See description in Under Division listing. Prerequisite: TE-301 Psychology of the Exceptional Child or TE-392 Education of the Exceptional Child. Fall, each semester and Summer.

TE-4230 Teaching the Severely Handicapped (3 credits). See description under Under Division listing. TE-424 Curriculum Programs for the Severely Handicapped and/or graduate status. Spring semester.

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TE-440 Instructional Materials for the Exceptional Child (3 credits). See description in Upper Division listing. Fall semester.

TE-481 Child Behavior in Early Childhood Education (3 credits). See description in Upper Division listing. Fall semester.

TE-482 Curriculum in Early Childhood Education (3 credits). See description in Upper Division listing. Fall semester.

TE-505 Individual Tests and Measurements (3 credits). See description under Cluster II. Each semester.

TE-553 The Emotionally Disturbed Child in the Classroom (3 credits). See description under Learning Disabilities section. Fall semester and Summer.

PE-594 Physical Education in Special Education (2 credits). See description under Learning Disabilities section. Summer.

MASTER OF ARTS/SCIENCE IN SECONDARY EDUCATION

General Information

A Master's degree in Secondary Education with emphasis in the subject areas of Art, Business Education, Chemistry, Earth Science, English, History, Mathematics and Music is presented through the Department of Teacher Education, the related subject department, and the School of Education. Each subject department has a planned program and it is described in the Bulletin within the department sections. General information applicable to all graduate programs is presented in the Graduate School section of the Bulletin.

Specific information applicable to the Secondary Master's degree encompassing all areas of emphasis is as follows:

1. Each candidate must have a subject area emphasis within a department or a combination of departments.
2. The degree will include a minimum of 27 hours plus from 3 to 6 semester hours for the culminating activity.
3. Each candidate's program shall include a minimum of 18 semester credit hours within the area of emphasis.
4. Each department will determine the nature of the culminating activity from (1) an thesis with an appropriate examination, (2) a project with an appropriate examination, or (3) 3 to 6 additional credits with an appropriate examination.
5. The candidate's committee shall consist of three members with the chairperson from the area of emphasis, one member from the Department of Teacher Education and one from any department.
6. Recommendations for admission shall come from both the School of Education and the involved department.

Courses in Teacher Education

Required Courses in Education

Candidates are required to complete TE-560 Core in Secondary Education, TE-563 Conflicting Values in Education, and two 1-credit courses from the following list:

TE-560 Core in Secondary Education (3 credits). The goal of the Core is to provide the opportunity for students to become aware of, and knowledgeable about, topical issues related to secondary education. The issues are interdisciplinary and are drawn from such areas as politics, economic theory, social trends, educational theory, and human behavior. In addition, each student is involved in the critical analysis of the issues through preparation of position papers on selected topics. Prerequisite: Graduate status. Summer.

TE-563 Conflicting Values Influencing Education (1 credit). This course will analyze ideological positions which have affected educational programs and policies. Each student will be asked to carefully consider his own values and analyze how these positions affect his relationship to students, faculty, and administration. Prerequisite: Graduate Status. Summer.

Two 1-credit classes from the following list:

TE-564 Creative Teaching—Secondary School (1 credit). The course will explore various approaches to classroom teaching methodology and atmosphere which are innovative and creative. Each student will be given the opportunity to develop new means of teaching material selected from his own teaching field. Intensive concentration will be given to ideas which might maximize the realization of student potential on a personal basis. The course will be problem centered and since the problems will be drawn from various subject areas, the course will be interdisciplinary. Prerequisite: Graduate Status. Summer.

TE-565 Interpreting Educational Research (1 credit). This course will prepare students to read, understand, and critically analyze educational research in their own field. It includes basic research terminology, strengths and weaknesses in research design, and interpretation of research results. Prerequisite: Graduate Status.

TE-566 Learning Theory and Classroom Instruction (1 credit). This course is designed to give educators an introduction to current theories of learning and how these theories turn prescribe the most effective ways and means of teaching. Emphasis is on behavioristic theory and cognitive theory—on how children learn according to psychologists of today—Skinner, Bruner, Piaget and Gagne. The major thrust of the course is to help teachers better understand how their students learn and how to help those that faller in the learning process. In addition, different curricular designs will be examined and the learning theory they are built on reviewed. Prerequisite: Graduate Status. Summer.

TE-567 Teaching Subject Content Through Reading (1 credit). The course is intended to introduce a few basic concepts of reading education, and the applying them to classroom teaching in secondary subjects. Emphasis will be on secondary teachers' responsibility to teach their students to read their instructional materials. Specific techniques of vocabulary development, reading for comprehension, literal and inferential construction, and speculation will be demonstrated and then practiced by the students. Prerequisite: Graduate Status. Summer.

TE-568 Techniques of Classroom Management (1 credit). This course focuses on an appropriate classroom management which effectively meets the educational goals of the secondary education. The development and refinement of skills in communication and conflict resolution are emphasized as the basis for effective classroom management. Skill development will be coordinated with theoretical considerations relating to establishing and maintaining healthy and productive classroom environments. Active participation by class members will be required. Topics to be included are multiparty, listening, constructive confrontation, problem-solving techniques, value conflicts, and modifying classroom environments. Prerequisite: Graduate Status. Summer.

TE-569 Testing and Grading (1 credit). This course will include an introduction to the theories and fallacies of testing. Problems and methods of teacher constructed tests will be included. The relationships between testing and grading and other forms of evaluation will be examined.

Elective Courses

With the approval of the candidates committee, students may select additional courses from the following list as well as from the 1-credit course listing.

TE-507 Relating Reading Processes to Secondary School Subjects (3 credits). This course is designed for secondary teachers in all academic areas who desire to develop efficient methods of utilizing instructional materials in their subject content. Emphasis is on contemporary systems, development of reading materials, comprehension, making assignments, learning to study, and testing will be studied so that the teacher can bring together students and reading materials in the most efficient ways. Prerequisite: Graduate Status. Fall semester.

TE-508 Teaching Reading in the Secondary School (3 credits). The course is designed for reading specialists in Junior High and Senior High Schools. Specific methods and materials of testing and instruction of students with reading problems will be emphasized. Various standardized and informal tests will be studied and analyzed. Several corrective techniques will be demonstrated and analyzed. Prerequisite: Graduate Status. Spring semester.

TE-513 Education for the Culturally Different Learner (3 credits). A study of the development of alternative curricula and educational methods for linguistically and culturally different children. The course will include an exploration of different patterns of teaching and learning, special needs of minority students, the role of the teacher, and the influence of modern research on the teaching of culturally different learners. Prerequisite: Graduate Status. Spring semester.

TE-514 Education in Emerging Nations (3 credits). The course provides an analysis of the relationship between national goals and the educational system found in the twentieth century. The contemporary systems will be studied in light of three major factors: 1. Natural factors: Race, language, environment 2. Religious factors 3. Secular factors: Humanism, socialism and nationalism

NOTE: Candidates may select appropriate courses from the Elementary Graduate Program course listing when approved by the committee.
INTRODUCTION

The School of Health Sciences is one of four academic units at Boise State University. Course work leading to associate and baccalaureate degrees is offered in several programs. Faculty of the school not only have the required graduate degrees but are also registered or certified as practitioners in the areas in which they teach. The several hospitals, clinics and government agencies in the area afford the necessary patients, professional support, and up to date equipment and facilities required to complement the classes and laboratories at the University.

The mission of the School of Health Sciences is to provide the best education possible with the available resources in those programs assigned by the State Board of Education. The school also accepts the responsibility to provide continuing education to its graduates as well as other health care providers throughout the state.

ADVISORY COUNCIL
AND ADJUNCTIVE FACULTY

Clayton C. Morgan, M.D.
Chairman of Advisory Council
David M. Barton, M.D.
M.M. Burkholder, M.D.
John W. Gerdies, Ph.D.
E.E. Gilbertson, M.H.A.
R.M. Gudmundsen, D.D.S.
Edith Miller Klein, J.D.
Lawrence L. Knight, M.D.
Robert W. Matthies, M.D.
David K. Merrick, M.D.
Mary Nelson, R.N.
Charles L. Robertson, M.D.
Robert H. Sabin, M.B.A.
Don W. Sower
Leonard O. Thompson
SCHOOL OF HEALTH SCIENCES

CLINICAL AFFILIATES

Ada County Council on Alcoholism, Boise, Idaho
Alcohol Rehabilitation Center, Boise, Idaho
Boise Convalescent Center, Boise, Idaho
Boise Orthopedic Clinic, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Health Clinics, Nampa, Idaho
Grand Oaks Health Care Center, Boise, Idaho
Headstart, El-Ada Community Action, Boise, Idaho
Idaho Elks Rehabilitation Center, Boise, Idaho
Independent School District of Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
St. Alphonsus Hospital, Boise, Idaho
St. Luke’s Hospital, Boise, Idaho
St. Mary’s School, Boise, Idaho
Sunset Nursing Home, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Hospital, Boise, Idaho

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF ALLIED HEALTH STUDIES

Medical Office Assistant

Acting Director: Elaine Rockne

Medical Record Science

Director-Instructor: Elaine Rockne

Medical Technology

Adjunctive Faculty: Beals, Kopper, White
Advisors: Ellis, Fuller

Radiologic Technology

Director-Assistant Professor: Duane Akroyd. Clinical Coordinator-Instructor: Rex Proff, Assistant Professor: Dementhin. Instructor: Krakor. Medical Director: Charles L. Robertson, M.D.

Respiratory Therapy

Director-Associate Professor: Conrad Colby. Clinical Coordinator-Assistant Professor: James R. Jensen, Ph.D. Assistant Professor: Lehman. Instructor: Ashworth. Medical Director: David K. Merrick, M.D. Adjunctive Faculty: Britton, Burger, Espeland, Gable, Goss, Hopper.

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH:

Adjunctive Faculty: Edmundson

DEPARTMENT OF NURSING

Chairman-Professor: JoAnn T. Vahey, Ed.D.

Medical Advisor: C.C. Morgan, M.D.

Baccalaureate Nursing Program Director-Professor: Charlotte Gale, Ed.D.

Associate Degree Nursing Program Director-Associate Professor: Virginia Nehring

Coordinator, BSU/Northwest Nazarene College Cooperative Nursing: Judith Rollins

Project Director, Demo Model for Continuing Education in Nursing: Molly Young

Professor: Miles

Associate Professors: Cox, Fleming, Monninger, Smith, Wilcox

Assistant Professors: Baicy, Buehler, Edgemon, Fountain, Laws, Matson, Penner, Robertson, Thomson.

Instructor: Taylor.

Clinical Lab Assistants: Mortensen, Spears, Wicks, Wimmer.

Adjunctive Faculty: Baker, F. Barton, Deeds, McIntosh, Peach, Scott.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Adjunctive Faculty: Dawson, Ford, Matthes, Steuart.

DEPARTMENT OF MEDICAL TECHNOLOGY

Adjunctive Faculty: Beals, Kopper, White
Advisors: Ellis, Fuller

Radiologic Technology

Director-Assistant Professor: Duane Akroyd. Clinical Coordinator-Instructor: Rex Proff, Assistant Professor: Dementhin. Instructor: Krakor. Medical Director: Charles L. Robertson, M.D.

Respiratory Therapy

Director-Associate Professor: Conrad Colby. Clinical Coordinator-Assistant Professor: James R. Jensen, Ph.D. Assistant Professor: Lehman. Instructor: Ashworth. Medical Director: David K. Merrick, M.D. Adjunctive Faculty: Britton, Burger, Espeland, Gable, Goss, Hopper.

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Adjunctive Faculty: Baker, F. Barton, Deeds, McIntosh, Peach, Scott.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Adjunctive Faculty: Dawson, Ford, Matthes, Steuart.

DEPARTMENT OF ALLIED HEALTH STUDIES

INTRODUCTION

In order to deliver the best health care possible, it is necessary that the physician and 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.

In 1967 the ratio of allied health personnel to physicians was approximately ten allied health people to one physician. The present ratio is 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.

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 is designed to qualify the student for admission into hospital programs leading to certification as medical technologists. It is also recommended for students in pre-medical and pre-dental programs.

Credits

1. Requirements:

   English Composition.................................................6
   Area I requirements..............................................12
   Area II requirements.............................................12
   Math ........................................................................10
   College Chemistry...................................................9
   Organic Chemistry with lab......................................10
   Biochemistry with lab..............................................4
   General Zoology.......................................................4
   General Botany.......................................................4
   Cell Biology............................................................3
   Bacteriology...........................................................5
   Physiology Z401 or Z409.........................................4

   Subtotal .....................................................................83 credits

2. Electives (science) 6 courses

   General Physics (5) or Biophysics (4)
   Genetics (3)
   Histology (4)
   Quantitative Analysis with lab (5)
   Pathogenic Bacteriology (4)
   Cytology (4)
   Parasitology (3)
   Comparative Anatomy (4)
   Physical Chemistry (8)

   Subtotal ......................................................................22-23

3. Electives (Health Science) Minimum of three courses

   Health Delivery Systems (3)
   Legal Implications of Health Practice (3)
   Medical Terminology (3)
   Medical Economics and Finance (3)
   Public Health Administration (2)
   Preprofessional Internship (2)

   Subtotal ......................................................................8-9

   Total ........................................................................128 credits
MEDICAL TECHNOLOGY
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/she may take three years of academic work (96 credits) in which he will complete the requirements of the college core as well as the basic science requirements set forth by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), an agency of the Council of Medical Education of the American Medical Association. 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 be eligible for 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 BSU students who gain admission to an accredited hospital program and wish to have this experience counted for BSU credits must enroll in MT 487-8-9. A registration fee of ten dollars per credit hour is required. This will provide the individual with student privileges such as access to university loans and scholarships, use of the library and gymnasium, etc.

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

1. Completion of basic core requirements:
   English Composition ........................................... 6
   Area I .................................................................... 12
   Area II .................................................................... 12
   Math (M 111-112 or M 115-116) ............................. 10
   College Chemistry & lab .......................................... 9
   Organic Chemistry & lab ......................................... 10
   Biochemistry & lab .................................................. 4
   General Zoology ......................................................... 4
   General Botany ........................................................ 4
   Cell Biology ............................................................... 3
   Bacteriology .............................................................. 5
   Mammalian Physiology ............................................. 4
   Total ..................................................................... 96

2. Health Science, Science and Free Electives ......................... 13

   Total ..................................................................... 109

3. Senior Year—Clinical Class and Practice
   A calendar year to be spent in St. Alphonsus Hospital or St. Luke's Hospital, Boise, Idaho, or in other hospitals, having clinical programs approved and accredited by the NAACLS.

   MT 487-8-9 Clinical Class and Practice (14-14-4 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 a 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. Fall, Spring, Summer semesters.

   H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.

MEDICAL ASSISTANT
(Medical Secretary)

The Medical Assistant will be prepared to function in either office or hospital setting. The program will provide knowledge and skills such as scheduling bookkeeping, filing, transcribing, and management of the record system. In addition, this program will provide knowledge and skills to enable the assistant to fulfill the role of contact between the patient and physician. These will include skills in communication, interpersonal relations, medical ethics and the legal aspects of patient care. Courses in behavioral science and humanities will enhance the Assistant's sensitivity to the special needs of the patient and his family. This program offers an Associate Degree.

CURRICULUM

FRESHMAN 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>Business Mathematics/Machines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concepts of Anatomy &amp; Physiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Beginning and Intermediate Typing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Beginning and Intermediate Shorthand</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total credits</td>
<td>16</td>
<td>15</td>
</tr>
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</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advanced Shorthand</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Applied Business Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Business</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Records Preparation and Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advanced Typewriting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Word Proc. &amp; Machine Trans.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Administrative Office Procedures</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Medical Office Orientation</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Total credits</td>
<td>18</td>
<td>15</td>
</tr>
</tbody>
</table>

For course descriptions see Part V of the catalog.

PREPROFESSIONAL CORE YEAR FOR
ALLIED HEALTH:
MEDICAL RECORD SCIENCE (MR)
RADIOLOGIC TECHNOLOGY (RD)
RESPIRATORY THERAPY (RT)

REQUIREMENTS FOR ADMISSION

A. Preprofessional Core Year
   1. See University admission policy, page 8.

B. Professional Program
   1. Only students who have completed or are in the process of completing the Allied Health core curriculum with a GPA of 2.00 or higher, will be considered for acceptance into the following Allied Health programs: Medical Record Science; Radiologic Technology; or Respiratory Therapy.
   2. Health status must be adequate to insure successful performance of hospital activities.

COURSES

MT MEDICAL TECHNOLOGY

201 Basic Medical Technology (2 credits). A survey course designed to introduce those students interested in Medical Technology to some of the basic aspects of theory and practice encountered in the profession. The course demonstrates the relationship of the University and hospital programs in the development of knowledge and skills required in the field of medical technology. Fall semester.

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SCHOOL OF HEALTH SCIENCES

APPLICATION PROCESS

A. Preprofessional Core Year
1. See University requirements.

B. Professional Programs
1. All students must fill out and return to the admissions office a "Special Programs Application for the Department of Allied Health Studies", on or before March 1 of the year in which they plan to attend the professional program.
2. Applicants will be notified of their status by April 25. Due to the limited number of clinical sites, the various Allied Health programs can accept only a limited number of students each year.
3. Applicants are required to have an interview during spring semester of the preprofessional year. Contact the Program Director for specific dates.

CORE CURRICULUM

All students who are considering entry into one of these Allied Health programs must have completed or be in the process of completing the following core curriculum. Core curriculum need not be taken at BSU.

PREPROFESSIONAL CORE YEAR

1ST SEM. 2ND SEM.
--- ---
English 3 3
Anatomy & Physiology (111, 112) 4 4
Chemistry (107, 109) 3 3
Chemistry (108, 110) 1 2
Math (111 or 115) 5 ---
Intro. to Allied Health* 1 ---
Psychology 3 ---
Area I Elective 3 ---

1ST 2ND
--- ---
17 18

PROMOTION AND GRADUATION

A. Professional Programs
1. Students must maintain a GPA of at least 2.50 (in professional courses) for the first semester of the professional program. A GPA of less than the required may constitute removal from the program.
2. A grade of less than a "C" in any professional theory (numbered H, MR, RD, RT) or clinical unit must be repeated and raised to a "C" or higher before continuing the program.
3. Students who have completed all course requirements with a GPA of 2.35 or higher (during the professional program) qualify for graduation.

*Students transferring from other institutions may take this course in their first year at BSU if a similar course has not been available at their previous college.

MEDICAL RECORD SCIENCE

Medical Record Technicians are qualified to work in any health care agency where health records are prepared, analyzed, and preserved. Areas of concentration include classifying diseases and operations, analyzing records of discharged patients, compiling statistical information for administration and research, transcribing medical reports, and abstracting data for medical record evaluation studies. In addition, students receive training in medical record departments of area health facilities. Students are responsible for their own transportation from BSU to the clinical agencies.

The program offers an Associate of Science degree and is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in collaboration with the American Medical Record Association.

Graduates of the program are eligible to write the national accreditation examination, and upon successful completion of this examination, are recognized as Accredited Record Technicians (ART).

Requirements for Admission, Application Process, Promotion and Graduation, see preprofessional core year for Allied Health.

CURRICULUM

First year—Preprofessional Core, described at beginning of this section.

Before being accepted into the professional year of the Medical Record Technician program, applicants must have finished beginning and intermediate typing, or demonstrate a typing speed of 45 words per minute.

PROFESSIONAL YEAR

1ST SEM. 2ND SEM.
--- ---
Medical Terminology (H 101) 3 ---
Medical Records I 5 ---
Health Delivery Systems (H 302) 3 ---
Health Data 2 ---
Disease and Operative Classification 2 ---
Introduction to Disease Conditions (H 203) 3 ---
Medical Records II 5 ---
Legal Implications of Health Practice (H 407) 3 ---
Health Record Transcription 2 ---
Introduction to Data Processing 3 ---

After successful completion of the professional year at BSU, students will have a four week period of directed practice in one of several affiliated health facilities. (MR 215).

COURSES

MR MEDICAL RECORDS

201, 202 Medical Records I — 3 credit lecture (MR 201), 2 credit lab (MR 202), must be taken concurrently. Principles of medical record technology, including the preparation, analysis, preservation and retrieval of health information. The value of this information to the patient, the doctor, and the community will be stressed. Prerequisite: Preprofessional core year, or permission of instructor. Fall semester.
203, 204 Medical Records II — 3 credit lecture (MR 203), 2 credit lab (MR 204), must be taken concurrently. Medical records in a variety of health care facilities, release of information, medical staff organization, and requirements and survey procedures of licensing and accrediting agencies. Medicare law and other federal regulations will be presented. Students will be introduced to the basic principles of supervising and managing a medical record department. Prerequisite: MR 201, 202. Spring semester.
205 Health Data (2 credits). Collection and presentation of routine data for daily, monthly, and yearly hospital statistical reports. Statistical formulas, preparation of birth certificates, and abstracting information for computerized data processing systems will be included. Prerequisite: MR 201, 202, or concurrent enrollment. Fall semester.
207 Disease and Operative Classification (3 credits). Principles and practice in coding of diseases and operations according to International Classification of Diseases. Other systems of coding will be presented, as well as methods of indexing diagnoses and operations. Prerequisite: Concurrent enrollment in MR 201, 202 or permission of instructor. Fall semester.
209 Health Record Transcription (2 credits). Four hours per week of practice in the machine transcription of histories, physical examinations, operations, and other medical reports. Accuracy of terminology and typing will be stressed. Prerequisite: H 101 and completion of typing requirement. Spring semester.
215 Clinical Practice (4 credits). During the summer following the second year, providing all other program requirements have been completed, the students will spend four weeks (160 hours) in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology. Prerequisite: Completion of all other program requirements. Summer only.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.

RADIOLOGIC TECHNOLOGY

To determine the presence of injury or disease, radiologic technologists position patients and operate X-ray machines to produce diagnostic film (radiographs). Most technologists work in the radiol-
The Radiologic Technology program in the School of Health Sciences offers a curriculum utilizing both university and clinical components. This type of integrated program is needed in order for the students to gain the essential knowledge and skills required to become radiologic technologists.

The program has been granted preliminary accreditation by the Council on Medical Education of the American Medical Association, on the recommendation of the Joint Review Committee on Education in Radiologic Technology, whose sponsoring organizations are the American Society of Radiologic Technologists and the American College of Radiology. The curriculum will enable the student to complete the associate degree requirements and be eligible for the national certification examination. If desired, the student may continue on to the baccalaureate degree.*

**Requirements for Admission, Application Process, Promotion and Graduation. See preprofessional core year for Allied Health.**

### CURRICULUM

Preprofessional Core Year for Allied Health. See description at beginning of this section.

**FIRST PROFESSIONAL YEAR:**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Practicum</td>
<td>1</td>
</tr>
<tr>
<td>Radiographic Positioning I</td>
<td>3</td>
</tr>
<tr>
<td>Radiographic Technique &amp; Control</td>
<td>3</td>
</tr>
<tr>
<td>Radiographic Physics</td>
<td>2</td>
</tr>
<tr>
<td>Area II Elective</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Radiologic Science</td>
<td>2</td>
</tr>
<tr>
<td>Intro to Clinical Experience</td>
<td>1</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>Radiographic Positioning II</td>
<td>—</td>
</tr>
<tr>
<td>Clinical Experience</td>
<td>—</td>
</tr>
<tr>
<td>Area I Elective</td>
<td>—</td>
</tr>
</tbody>
</table>

18 16

Summer

| Clinical Experience | 6 |

**SECOND PROFESSIONAL YEAR:**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Practicum</td>
<td>1</td>
</tr>
<tr>
<td>Radiographic Positioning III</td>
<td>3</td>
</tr>
<tr>
<td>Special Radiographic Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Medical &amp; Surgical Diseases</td>
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<tr>
<td>Clinical Experience</td>
<td>5</td>
</tr>
<tr>
<td>Seminar in Radiologic Science</td>
<td>—</td>
</tr>
<tr>
<td>Radiographic Positioning IV</td>
<td>—</td>
</tr>
<tr>
<td>Area II Elective</td>
<td>—</td>
</tr>
</tbody>
</table>

14 15

Summer

| Clinical Experience | 6 |

*Final approval dependent upon State Board action.

### COURSES

**RD RADILOGIC TECHNOLOGY**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>211 Clinical Practicum (1 credit)</td>
<td>Laboratory to be taken concurrently with RD 222. Fall semester.</td>
<td></td>
</tr>
<tr>
<td>212 Clinical Practicum (1 credit)</td>
<td>Laboratory to be taken concurrently with RD 242. Spring semester.</td>
<td></td>
</tr>
<tr>
<td>222 Radiographic Positioning (3 credits)</td>
<td>This course will cover the basic concepts and techniques used in obtaining diagnostic radiographs. Areas of interest are the upper extremities, abdomen, chest, and routine radiographic contrast studies. Fall semester.</td>
<td></td>
</tr>
<tr>
<td>226 Radiographic Technique and Control (3 credits)</td>
<td>This course is designed to introduce the student to the factors that can affect the diagnostic results on a radiograph. Topics discussed are: X-ray film, darkroom chemistry, cassettes, and grids. Fall semester.</td>
<td></td>
</tr>
<tr>
<td>228 Introduction to Radiologic Science (3 credits)</td>
<td>This course introduces the student to Radiologic Technology, its structure and chemistry. Other topics include medical legal ethics, basic radiation position, lifting and carrying procedures, and assepsis. Fall semester.</td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOL OF HEALTH SCIENCES**

**RESPIRATORY THERAPY**

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 evaluation techniques in respiratory care.

The Respiratory Therapy program at Boise State consists of a three-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 a pre-professional year followed by two years of professional study. Receipt of the Associate of Science degree qualifies the student academically for the examination of the American Registry of Respiratory Therapists, which is the professional designation.

**Requirements for Admission, Application Process, Promotion and Graduation. See preprofessional core year for Allied Health. In addition, comprehensive examinations are given during the first week of the last three semesters of the program covering all previous professional work. Students must demonstrate an effective level of competency on each of these evaluations in order to graduate from the program.**

**CURRICULUM**

Preprofessional Core Year for Allied Health as described at the beginning of this section.

**FIRST PROFESSIONAL YEAR:**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Therapy Theory I</td>
<td>2</td>
</tr>
<tr>
<td>Respiratory Therapy Theory II</td>
<td>—</td>
</tr>
<tr>
<td>Respiratory Therapy Lab. I</td>
<td>1</td>
</tr>
<tr>
<td>Respiratory Therapy Lab. II</td>
<td>—</td>
</tr>
<tr>
<td>Clinical Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>Clinical Practicum II</td>
<td>—</td>
</tr>
<tr>
<td>Cardiopulmonary Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Respiratory Therapy Nursing Arts</td>
<td>1</td>
</tr>
<tr>
<td>General Pathology</td>
<td>3</td>
</tr>
<tr>
<td>Emergency Procedures in Respiratory Care</td>
<td>1</td>
</tr>
</tbody>
</table>
SCHOOL OF HEALTH SCIENCES

Area I or II Elective .................................. 3
Pulmonary Function Lecture .......................... 2
Pulmonary Function Lab ................................ 1
Pulmonary Medicine I ................................... 1
Intro. to Biophysics ................................... 4
Microbiology ......................................... 4

Total Credits: 18

Summer
Elective Area I or II .................................. 6

SECOND PROFESSIONAL YEAR:

1ST SEM. 2ND SEM.
Respiratory Therapy Theory III ....................... 2
Respiratory Therapy Theory IV .......................... 2
Respiratory Therapy Lab. III ........................... 1
Respiratory Therapy Lab. IV ........................... 1
Clinical Practicum III .................................. 4
Clinical Practicum IV .................................. 6
Radiologic Studies of the Respiratory System ....... 1
Pulmonary Medicine II .................................. 3
Respiratory Cardiology .................................. 2
Professional Seminar ................................... 4
Principles of Pharmacotherapeutics .................. 3

Total Credits: 16

COURSES

RT RESPIRATORY THERAPY

201 Respiratory Therapy Cardiopulmonary Physiology (4 credits). Study of the normal physiological functions of the pulmonary and circulatory systems. Prerequisite: admission to Respiratory Therapy Program or consent of instructor. Fall, 1978.

203 Respiratory Therapy Theory I (2 credits). Study of medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. Prerequisite: admission to Respiratory Therapy Program. Fall, 1978.

204 Respiratory Therapy Laboratory I (1 credit). Practice in medical gas techniques. Fall, 1978.

207 Respiratory Therapy Nursing Arts (1 credit). Demonstration and practice in those nursing arts which pertain directly to Respiratory Therapy, including body mechanics, patient lifting and positioning. Fall, 1978.

208 Clinical Practicum I (3 credits). Experience in the hospital with patients, techniques, and equipment, with emphasis on use of medical gases. Fall, 1978.


233 Respiratory Therapy Theory II (2 credits). Principles, application, and equipment used in intermittent positive pressure breathing; Therapeutic techniques and applications of chest physiotherapy. In-depth study of hospital infection control including comparative studies of various sterilization and disinfectant techniques. Spring, 1979.


236 Pulmonary Function Laboratory (1 credit). Practice in pulmonary function testing and techniques. Spring, 1979.


238 Clinical Practicum II (3 credits). Experience in the hospital with patients, techniques, and equipment used in intermittent Positive Pressure Breathing and chest physiotherapy. Spring, 1979.

Upper Division


308 Clinical Practicum III (4 credits). Experience in the hospital with patients, techniques, and equipment as applied to mechanical ventilation and artificial airways. Fall, 1979.


334 Respiratory Therapy Laboratory IV (1 credit). Practice in the use of infant ventilators and specialty techniques pertaining to pediatrics. Spring, 1980.

337 Pulmonary Medicine II (3 credits). In-depth examination of pulmonary diseases, certain select cardiac diseases, and the clinical management of these diseases. Fall, 1979.

328 Clinical Practicum IV (6 credits). Experience in the hospital with any or all aspects of respiratory therapy. Spring, 1980.

398 Respiratory Therapy Professional Seminar (3 credits). Focuses on the ethics and medico-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and interdepartmental relations are considered. Spring, 1980.

H GENERAL HEALTH SCIENCES courses are described in Community and Environmental Health Section.

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.

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR
Bachelor of Science

A. General Requirements (8 credits)
   - English Composition ........................................ 6
   - Electives ................................................... 12

B. Area I Requirements (12 credits)
   - A. Area II Requirements (12 credits)
     - Sociology ................................................ 3
     - Electives ................................................ 6

C. Science Requirements (66 credits)
   - General Physics ............................................. 8
   - Botany/Zoology ............................................. 6
   - General Bacteriology ..................................... 5
   - Food Microbiology ........................................ 4
   - Physiology ................................................ 4
   - Environmental Health Legislation ....................... 2
   - Public Health Administration ............................ 2
   - Public Health Field Training ............................ 8
   - Suggested Electives
     - Principles of Data Processing
     - Principles of Economics
     - Speech
     - State and Local Government
     - Federal Government
     - General Parasitology

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SCHOOL OF HEALTH SCIENCES

INTRODUCTION

The Boise State University Department of Nursing operates as an integral unit of the total university. Students enrolled in nursing attend classes and socialize with students in various other fields of study on campus.

The department conducts a two-year, lower-division curriculum leading to an Associate of Science in Nursing degree. This program prepares students to write the State Board Test Pool Examination for initial licensure as a registered nurse. The Department also offers a two-year upper-division curriculum for R.N.'s to continue academic study and to obtain a Bachelor of Science in Nursing degree.

PHILOSOPHY

The current system of health care delivery requires associate as well as baccalaureate degree prepared practitioners of nursing. Each of these two groups contributes to meeting the nursing and health care needs of man. The associate degree prepared nurse functions primarily in a dependent role while the baccalaureate prepared nurse functions primarily in an independent role. Both levels of nursing personnel function as interdependent members of the health care team.

It is recognized that a number of graduates from diploma and associate degree programs in nursing do change career goals. Therefore, a baccalaureate level education program in nursing is basic educational requirements, opportunities, and advancements for each discipline in the health industry. In addition to discussion by the various Allied Health faculty, guest speakers from the medical community will relate to the various health disciplines in the area. An important area of the course is orientation to Allied Health in the clinical facilities. Fall semester.

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. Recommended as a beginning course for those with little or no biology background. Both semesters.

109 Drugs: Use and Abuse (2 credits). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutically and nontherapeutically (recreational) drugs. Fall semester.

203 Introduction to Disease Conditions (3 credits). Introduction to the study of diseases, with emphasis on the terminology used in describing causes of diseases, diagnostic measures, operations, and pathology. Prerequisite: H 101. Spring semester.

205 Chronic Illness: Impact and Outcome (3 credits). An introductory course in the medical and psychosocial dimensions of chronic illness, using cancer as a prototype. Fall semester. Sophomore standing or permission of instructor.

Upper Division

300 Pathophysiology (4 credits). Physical and chemical principles of living systems are explored with application to human physiological states of health and illness. Prerequisites: C 107-108, 109-110, or equivalent. Either semester.


302 Health Delivery Systems (3 credits). Format—informal health delivery systems will be studied. Organization, functional effectiveness and indications for change in the health care systems will be emphasized. Fall and Spring semesters.

304 Public Health Administration (2 credits). Organization, administration and functions of the various health agencies. Spring semester.

305 Sensitization for Role Change (2 credits). This seminar focuses on student experiences involving professional role confusion—conflict and change. Theoretical concepts are derived from these experiences and readings. Prerequisites: Departmental permission. Fall and Spring semesters.

310 Methods in Clinical Laboratory Science (3 credits). An interdisciplinary course designed to advance the student's understanding and utilization of basic laboratory procedures employed in a clinical primary care setting. The clinical significance of the tests in relation to disease processes will be stressed. Lecture and clinical practice in a laboratory setting are provided to ensure that students learn accurate techniques and are clinically competent to perform and interpret selected laboratory procedures. Prerequisites: Pathophysiology and Departmental permission. Spring semester.

405 Medical Economics and Finance (3 credits). An introductory course to the economics and financing of health care and health care agencies. Spring and Fall semesters.


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.

DEPARTMENT OF NURSING
SCHOOL OF HEALTH SCIENCES

deemed essential to support this change in career goals. The baccalaureate nursing curriculum should encompass the knowledge and skills essential for baccalaureate level nursing practice as well as provide options for nursing electives.

LOWER-DIVISION ASSOCIATE DEGREE

DESCRIPTION

This program prepares individuals to function at a beginning level in giving direct care to patients. Nursing courses include theory and clinical practicum or clinical laboratory experiences. In the clinical component of each nursing course, one credit hour represents four hours of clinical and/or campus laboratory time. Each week there is an average number of twelve clinical practice hours during the freshman year and sixteen hours during the sophomore year. These hours may be scheduled days, afternoons or evenings. Clinical experience is provided mainly in hospital settings.

The standard for advancement in the program is a 2.75 G.P.A. or above as well as a minimum grade of C in all required general education courses. Practicum courses in nursing may not be repeated. Non-practicum courses in nursing and required general education courses may be repeated only once.

The program is accredited by the Idaho Board of Nursing and the National League for Nursing. A graduate is eligible to write the State Board Examination for licensure as a registered nurse.

PHILOSOPHY

The associate degree prepared nurse practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum should include courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Identified basic health needs are used to select content for nursing courses. A planned program of clinical practicum and instruction in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

It is recognized that students vary widely with respect to age and life experiences. Therefore, a program of student advisement implemented by the faculty is essential in assisting students to meet their career goals.

ADMISSION

Admission for students entering the associate degree nursing program is limited to the Fall Semester. The number of students admitted each year is limited by the availability of personnel and clinical resources.

Requirements:

Applicants must meet the general university requirements as well as the stated requirement for the associate degree nursing program in one of the four categories listed below:

1. **High school graduates** will be considered for admission on the basis of ACT or SAT scores.
   - ACT: A composite standard score of not less than 20, plus a 70th percentile rating.
   - SAT: Total score of 888 and a G.P.A. of 2.75 or above at the completion of the 7th semester of high school.

2. **College students** who have earned a minimum of 12 semester 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.

3. **Transfer students from other schools of nursing** to the associate degree nursing program at Boise State University are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in items 1 and 2 above.

4. **Licensed Practical Nurses** may apply for advanced placement as sophomore nursing students by meeting the following criteria:
   a. submit current evidence of licensure
   b. submit records verifying previous education
   c. complete all freshman general education courses which are pre-requisites to sophomore nursing courses with a G.P.A. of 2.75 or better as well as a grade of C or better in required general education courses.
   d. pass the required ACT Proficiency exams
   1. Nursing Health Care
   2. Commonalities in Nursing I
   3. Commonalities in Nursing II
   4. Maternal Child Nursing Associate Degree Level
   e. Complete the course "Orientation to Associate Degree Nursing" during the fall semester in the year prior to the year of planned enrollment in the sophomore nursing courses.
   f. Pass the freshman level clinical performance evaluation.

All applicants admitted to the nursing program are required to:

1. Submit a report of chest x-ray to the Associate Degree Nursing Program by August 1 of the year in which they plan to enter the program.
2. Purchase a Boise State University student nursing uniform.
3. Submit $25.00 yearly as prepayment for student name pin, malpractice insurance, and standardized National League for Nursing examinations which are required of all students throughout the program.

APPLICATION PROCESS

1. Make application for admission to Boise State University and the Department of Nursing. Associate of Science in Nursing degree program. Both application forms are available from the Administration Building, Room 100.

2. Submit an official high school transcript or G.E.D. test score, A.C.T. or S.A.T. scores, and official transcripts of all previous college work. L.P.N.'s must also submit evidence of previous education as well as current licensure. These must be received by the Admission Office prior to March 1 preceding the Fall in which enrollment is planned.

3. Complete all application requirements during the period of September 1 to March 1 prior to date of anticipated enrollment in nursing courses.

CURRICULUM

<table>
<thead>
<tr>
<th>Credit</th>
<th>A. General Education Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>English Composition (E101-102)</td>
</tr>
<tr>
<td>4</td>
<td>Chemistry (C107-108)</td>
</tr>
<tr>
<td>8</td>
<td>Anatomy and Physiology (Z111-112)</td>
</tr>
<tr>
<td>3</td>
<td>General Psychology (P101)</td>
</tr>
<tr>
<td>3</td>
<td>Nutrition (K207)</td>
</tr>
<tr>
<td>4</td>
<td>Microbiology (B205)</td>
</tr>
<tr>
<td>3</td>
<td>Sociology (S0101)</td>
</tr>
<tr>
<td>3</td>
<td>Elective</td>
</tr>
</tbody>
</table>
|        | Total                            | 34

<table>
<thead>
<tr>
<th>Credit</th>
<th>B. Nursing Major:</th>
</tr>
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<tbody>
<tr>
<td>12</td>
<td>Basic Health Needs</td>
</tr>
<tr>
<td>N 140-141 (3)</td>
<td></td>
</tr>
<tr>
<td>N 150-151 (3)</td>
<td></td>
</tr>
<tr>
<td>N 160-161 (3)</td>
<td></td>
</tr>
<tr>
<td>N 170-171 (3)</td>
<td>Deviations from Basic</td>
</tr>
</tbody>
</table>
### RICULUM BEFORE PROCEEDING WITH THE REQUIRED SOPHOMORE GENERAL EDUCATION COURSES.

## COURSES

### N NURSING

114 Orientation to Associate Degree Nursing for Advanced Placement Students (1 credit). Designed as a part of the advanced placement program enabling students who have successfully passed the required challenges exams to receive credit for one to two semesters of nursing on the basis of previous nursing education and/or experience. Introduces students to nursing process as the component for nursing care planning, unique to the AD Nursing curriculum. Assists in understanding values in nursing and in initiating role changes necessary for working at a different level. Pre-requisite for admission to advanced placement in sophomore nursing courses. Spring and Fall semester. 140-141 Introduction to Basic Health Needs. 2 credit lecture, 1 credit lab, 8 week unit. Introduces nursing process and seven basic health needs for oxygen, nutrition, elimination, activity, mental health, safety and comfort as a basis for beginning skills. Opportunity is provided to develop beginning skills. Pre-requisite: Admission to the Nursing major. Fall semester. 150-151, 160-161, 170-171 Basic Health Needs. 2 credit lecture, 1 credit lab, 8 week unit. Nursing process is utilized to meet basic health needs as related to health care of persons of all ages in the community, in hospitals, and in health agencies. Opportunity is provided to develop skills in providing nursing care. Pre-requisite: N 140-141. May be taken in any sequence, both semesters. N 201 Nursing Practicum. 2 credits. This elective course is offered to provide a concentrated block work situation in health agencies for sophomore nursing students and to extend sophomore students' learning experiences in community health agencies on an individual basis. May include home visits. Pre-requisite: Sophomore standing in nursing program. Offered both semesters. Students may take practicum one time only. 220-221 Deviations from Basic Health: (related to mental health). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on mental health-mental illness considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the mental health unit and community health agencies. Pre-requisites: required general education and nursing courses. Offered both semesters. 230-231 Deviations from Basic Health: (related to nutrition). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on nutrition needs for persons of all ages. The student has the opportunity to develop skills in the medical-surgical areas with specific reference to physiologic assessment and nutrition care planning for patients with oxygen deficiency. Pre-requisites: required general education and nursing courses. Offered both semesters. 243-241 Deviations from Basic Health: (related to nutrition and elimination). 2 credit lecture, 2 credit lab. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for nutrition and elimination considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the pediatric and medical-surgical areas. Pre-requisites: required general education and nursing courses. Offered both semesters. 340-341 Deviations from Basic Health: (related to activity). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for activity, considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the pediatric and medical-surgical areas. Pre-requisites: required general education and nursing courses. Offered both semesters. 280-290 Nursing Seminar: (1 credit per semester). Philosophy of health care and the role of the graduate as a registered nurse. Legal implications and other factors affecting safe practice are discussed. Pre-requisites: required general education and nursing courses. N 280-Spring semester. N 290-Spring semester.

## UPPER-DIVISION BACCALAUREATE DEGREE

### DESCRIPTION

This program has two major purposes:

1. To enable registered nurses to earn the baccalaureate degree with a major in nursing, thereby meeting needs of consumers for baccalaureate-prepared nurses in the health care delivery system.
2. To provide the base for graduate study in nursing.

Admission to this program is limited to registered nurses graduated from associate degree or diploma schools of nursing who meet admission requirements. In working to satisfy degree requirements, the student completes study in an option most likely to meet his/her career goals. Specific offerings include Acute Care Nursing, Family Nurse Practice, or Leadership in Nursing. A combined option in Acute Care and Leadership is offered, and other electives may be identified by the student in cooperation with a faculty member and pursued through independent study.

Graduates are awarded the Bachelor of Science in Nursing degree and will be prepared for independent, collaborative and leadership responsibilities in the delivery of health care services. All graduates of this program are prepared for first-level positions in community health nursing. Students completing the Family Nurse Practice option will be eligible to apply for certification as a Nurse.
SCHOOL OF HEALTH SCIENCES

Practitioner to the State Board of Nursing. The B.S.N. program is approved by the Idaho State Board of Nursing and the initial accreditation visit by the National League for Nursing was made in the Spring of 1978.

The student who carries 16-18 credits per semester should be able to complete the program in two years. In order to protect their enrollment in the baccalaureate nursing program, part-time students are subject to some regulations:

1. They must complete degree requirements within four years from the initial enrollment in 300 level nursing courses. 2. They must maintain continuous enrollment in fall and spring semesters unless a waiver has been granted for a specific period of time. 3. They must complete all nursing courses in the senior area of concentration within one continuous year unless a waiver has been granted. These regulations are designed to protect the student from losing credits as a result of changes in curriculum and/or academic regulations.

PROGRESSION AND GRADUATION

Enrollment is regulated according to available faculty, clinical facilities and other resources. Students are asked to declare their intended area of concentration upon application. In order to progress through the program and qualify for the baccalaureate degree in nursing, students must not only meet university requirements for the baccalaureate degree but must also complete all required nursing and support courses with a grade of C or better and maintain the minimum cumulative GPA of 2.75. Practicum courses in nursing may not be repeated. Non-practicum courses in nursing and the required support courses may be repeated once only.

PHILOSOPHY OF THE BSN PROGRAM

The baccalaureate-prepared nurse promotes health and also provides preventive, curative, supportive and restorative health care to individuals, families, and groups in a wide variety of social settings by utilizing the nursing process. Nursing at this level is a complex interpersonal process directed towards identifying and meeting health care needs and making decisions about health care delivery. These processes require the nurse to assess and manage complex communication with other health care workers as well as with individuals, families, and groups being served.

The baccalaureate nursing curriculum has an interdisciplinary base in the humanities, natural and social sciences as well as in nursing knowledge. These disciplines contribute to the concepts utilized in professional nursing practice. In recognition of the fact that students are registered nurses who have changed their career goals, the nursing curriculum has two components: 1) a core of nursing and support courses which prepare the nurse for baccalaureate level nursing practice; and 2) an option to concentrate nursing electives in a selected area of study.

With this type of curriculum we are servicing a student population whose educational needs are not specifically addressed by any other institution of higher education in the state. We believe therefore, that our program has the potential for significantly improving health care services in this state.

ADMISSION AND APPLICATION

To qualify for admission the candidate must:

1. Possess current licensure as a registered nurse and have obtained Idaho licensure prior to enrollment in upper division nursing courses.
2. Have maintained a minimum G.P.A. of 2.75 in 36-40 semester credits in general education courses, including the following: a. 3 credits each—Microbiology, nutrition b. 6 credits each—English Composition, humanities (Area I) and behavioral sciences (Area II) c. 6-8 credits—Chemistry (including both organic and inorganic with bio-chemistry also recommended), d. 6-8 credits—Human anatomy and physiology

For students who have successfully completed the 5 credit Anatomy and Physiology course (Z107) prior to 1977 these credits will be accepted in lieu of the 8 credit sequence in Anatomy and Physiology until the fall semester of 1979. After that date, 6-8 credits of Anatomy and Physiology will be required of all students.

3. Have achieved a minimum 2.75 in 30 semester credits in lower division nursing by:
   a. Having graduated from a NLN accredited associate degree program.
   OR
   b. Earning these academic credits by taking and passing the three tests, Differences in Nursing Care, Areas I, II and III as provided under the Proficiency Examination Program (PEP) conducted by the American College Testing Program. Students may secure information about the tests and the necessary application forms through the Counseling and Testing Center located in the main library. Tests are given in Boise, usually four times a year. Students should obtain the test schedule and make arrangements for testing in time for the test results to be considered with other admission data.

4. Although a specified period of work experience is not required, applicants are strongly advised to have at least one year of nursing practice within the two years preceding anticipated enrollment.

To apply for admission the candidate must:

1. Request from the Admission Office at Boise State University an application form to the University (if not previously enrolled there) and the special application form for the B.S.N. program.
2. Complete both forms and return to the Admissions Office prior to March 1. Transcripts must also be submitted by this deadline. Since these may take from 6 to 9 weeks for processing, students are advised to request them in sufficient time to insure their receipt at B.S.U. by the March 1 deadline. Graduates of diploma or non-NLN accredited associate degree programs must also have established their lower division nursing credits by successfully completing the PEP battery of examinations given through the Testing and Counseling Center.

Applications are reviewed during March and April. Candidates will be notified early in May. Successful candidates are asked to return a form accepting enrollment. Failure to do this by the indicated date will result in removal of the candidate’s name from the listing of accepted students.

3. Incoming students are advised to obtain professional malpractice insurance before the beginning of the semester in which they plan their first enrollment in a nursing course with a clinical practicum. This insurance must be in force at the time of enrollment in any nursing course with a clinical practicum. Students must also be prepared to provide their own transportation to clinical agencies when enrolled in nursing practicums.

Brochures and further information can be obtained by writing to:
Baccalaureate Program in Nursing
Boise State University
1910 University Drive
Boise, ID 83725

THE CURRICULUM

The nursing major is divided into two portions—a 16 credit core curriculum taken by all students and a 16 credit elective option. The three options are Acute Care Nursing, Family Nurse Practice, and Leadership in Nursing. Students may also choose to combine the options of Acute Care and Leadership by selecting a total of 16 credits of coursework from these two options. There are also 12 credits of required support courses in health sciences and management.

Students take most of the core courses in nursing and the required support courses during the junior year. For the senior year, they complete the nursing core and required support courses, and
take the 16 credit option which they have chosen as their nursing elective. Remaining credits for the degree are given over to general education electives.

A sample program is illustrated below:

**JUNIOR YEAR**
- N306-307 Professional Interactions 3
- N310-313 Community Health Nursing 4
- H300 Pathophysiology 4
- H302 Health Delivery Systems 3
- Electives 3-6
- N316-317 Health Assessment 3
- N324-325 Critical Care Nursing 3
- H305 Principals of Management 3
- H301 Principles of Pharmacotherapeutics 3

**TOTALS**
17 18

**SENIOR YEAR**
- N490 Nursing Research 3
- N--- Nursing Electives (individual option) 8 or 9 7 or 8
- Electives 3-6
- **H305 Role Sensitization** 2

**TOTALS**
14-15 15-16

*Core course in Nursing Major
**Required Support Course

**COURSES**

**NURSING**
Upper Division

300 Concepts and Skills of Community Health Nursing (3 credits). The primary focus of this course in community health nursing is the use of nursing processes in family and community settings with emphasis on the psychosocial aspect of individual/family/community health. The course is designed to assist nurses in application of course content to daily work in community health settings as a means of improving the quality of health services. Prerequisites: The student must be a registered nurse with access to a community health setting or permission of the instructor. This course is offered regularly by correspondence, but may be offered as a regular semester offering on demand. Either semester.

306 Professional Interactions (2 credits). Theory and simulated laboratory experiences with video-taping, designed to enhance communication skills essential for nursing practice. First half directed toward one-to-one communication; second half focuses on group process and communications involving more than two individuals in common practice settings. Fall semester.

307 Professional Interactions Practicum (1 credit). To be taken with N306. Fall semester.

310 Community Health Nursing (2 credits). Primary focus on use of nursing process in family and community settings with emphasis on psycho-social aspects of individual/family/community group health. Designed to assist nurses in application of course content to nursing practice in community health settings as a means of improving the quality of health services. Community settings include homes, clinics or out-patient departments, group classes and elementary through high school nursing services. Prerequisite or concurrent enrollment in N306-307. Fall/Spring semesters.

313 Community Health Practicum (2 credits). To be taken with N310. Fall/Spring semesters.

316 Health Assessment (1 credit). Principles and skills of obtaining health and developmental history, and of performing a general physical/psychosocial assessment of individuals. Practice in using assessment tools and in differentiating normal from abnormal findings. To be taken with N324-325. Prerequisites or concurrent enrollment in N306-307 and H300. Fall/Spring semesters.

317 Health Assessment Practicum (2 credits). To be taken with N316. Fall/Spring semesters.

324 Critical Care Nursing (1 credit). Application of nursing process in care of hospitalized patients in severe psycho-physiological stress who face major changes in life style, including the possibility of death. Emphasizes how to do counseling patients' families, and planning with other health care workers for continuity of care in case of death. To be taken with N316-317. Prerequisites or concurrent enrollment in N306-307 and H300. Fall/Spring semesters.

325 Critical Care Practicum (2 credits). To be taken with N324. Fall/Spring semesters.

**SENIOR YEAR**

Option in Acute Care Nursing

422 Nursing Intensive Care Situations (2 credits). Nursing care of adults and children having major surgery, serious trauma, or complex medical problems such as acute respiratory, circulatory, renal, orthopedic, metabolic and neurologic disorders. In addition to identifying and applying recent research findings, students also develop a knowledge and skill base for application of nursing process to patients and their families. Prerequisite: Completion of junior core. Fall semester.

424 Practicum: Cardiovascular Nursing (2 credits). To be taken concurrently with N422. Fall semester.

425 Practicum: Cardiovascular Nursing (2 credits). To be taken concurrently with N422. Fall semester.

426 Practicum: Nursing in Emergency/Trauma Situations (2 credits). Nursing care of individuals in hospitals or other emergency facilities who have acute, life-threatening conditions. Application of nursing process to these patients and their families, based upon knowledge of the interrelatedness of body systems and previous learnings in intensive and cardiovascular nursing. Prerequisites: N422-423, N424-425. Spring semester. N427 Practicum: Nursing in Emergency/Trauma Situations (2 credits). To be taken concurrently with N426. Spring semester.

428 Practicum: Nursing in High-Risk Perinatal Situations (2 credits). Nursing process applied to acutely ill neonatal infants and their families. Identification and application of relevant re- search and experience in use of equipment and procedures specific to this patient population. Identification and follow-up in community settings of high-risk mothers and families. Prerequisite: Completion of junior core and support courses. Spring semester.

429 Practicum: Nursing in High-Risk Perinatal Situations (2 credits). To be taken concurrently with N428. Spring semester.

Option in Nursing Leadership

440 Leadership in Clinical Nursing (1 credit). Application of nursing process to direct patient care in single health care setting covered by experience in managerial nursing care for a group of patients in that setting with emphasis upon selected aspects of the beginning-level leadership role such as crisis intervention, collegial relationships, self-awareness and communication. Prerequisite: Completion of junior core, first 8 weeks.

441 Practicum: Leadership in Clinical Nursing I (2 credits). To be taken concurrently with N440. Fall semester, first 8 weeks.

442 Practicum: Leadership in Clinical Nursing II (1 credit). Application of nursing process to direct patient care in single health care setting. Followed by experience in managing nursing care for several groups of patients in that setting with emphasis upon selected aspects of the middle-level leadership role, such as performance appraisal, interdepartmental relationship, and coordination of nursing activities. Prerequisites: N440-441 or permission of instructor. Fall semester, second 8 weeks.

443 Practicum: Leadership in Clinical Nursing III (2 credits). To be taken concurrently with N442. Fall semester, second 8 weeks.

444 Leadership in Clinical Nursing III (1 credit). Application of nursing process to direct patient care in multiple areas within single health care agency. Followed by selected experiences in managing nursing care for groups of patients in multiple areas within that agency, emphasizing selected aspects of the top-level leadership role such as quality assurance, allocation of resources, coping with and managing change, and staff development. Prerequisite: N442-443 or permission of instructor. Spring semester, first 8 weeks.

445 Practicum: Leadership in Clinical Nursing IV (2 credits). To be taken concurrently with N444. Spring semester, first 8 weeks.

446 Nursing and the Political System (3 credits). Study of nursing's political relationships to overall health care delivery systems. Impact of socio-economic influences on health care and nursing practice. Identification of formal and informal power arrangements which affect professional nursing practice. Prerequisite: Completion of junior core. Fall semester.

447 Practicum: Leadership in Professional Nursing Practice (4 credits). Clinical practice in a nursing leadership role chosen jointly by student and faculty. Student has opportunity to synthesize previous learnings, practice leadership styles and skills, utilize personal philosophies in nursing practice and evaluate opinions. Discussion and application of research relevant to nursing leadership. Prerequisites: N444-445 and N446. Spring semester, second 8 weeks.

Option in Family Nurse Practice

462 Women's and Children's Health Care (2 credits). Family-oriented, primary health care of women and children. Experience in assessing and managing their health care, placing major emphasis upon normal physical and psycho-social processes. Recognition of serious health care problems and appropriate referral. Prerequisite: Completion of junior core. Fall semester.

463 Practicum: Women's and Children's Health Care (2 credits). To be taken concurrently with N462. Fall semester.

464 Acute Ambulatory and Emergency/Trauma Care (2 credits). Nature and scope of health care services given to individuals and families in emergency/trauma situations in hospital and non-hospital situations, based upon knowledge of interrelatedness of body systems, assessment and management of uncomplicated trauma. Prerequisite: Completion of junior core. Fall semester.

465 Practicum: Acute Ambulatory and Emergency/Trauma Care (2 credits). To be taken concurrently with N464. Fall semester.


467 Family Nurse Practice in Adult Health Care (2 credits). To be taken concurrently with N466. Spring semester, first 8 weeks.

468 Family Nurse Practice in Adult Health Care (2 credits). To be taken concurrently with N467. Spring semester, first 8 weeks.

469 Practicum: Family Nurse Practice (4 credits). To be taken concurrently with N468. Fall semester.

470 Practicum: Family Nurse Practice (4 credits). To be taken concurrently with N469. Spring semester, first 8 weeks.

471 Practicum: Family Nurse Practice (4 credits). To be taken concurrently with N470. Spring semester, first 8 weeks.

472 Practicum: Family Nurse Practice (4 credits). To be taken concurrently with N471. Spring semester, first 8 weeks.

**SCHOOL OF HEALTH SCIENCES**

423 Practicum: Nursing in Intensive Care Situations (2 credits). To be taken concurrently with N422. Fall semester.

424 Practicum in Cardiac Nursing (2 credits). Nursing care of individuals with selected cardiovascular disorders and resultant complications. Application of nursing process to patients and their families. In addition to identifying and applying recent research findings, students also develop a knowledge and skill base for application of nursing process to patients and their families. Prerequisite: Completion of junior core. Fall semester.

425 Practicum: Cardiovascular Nursing (2 credits). To be taken concurrently with N424. Fall semester.

426 Practicum: Critical Care Practicum (2 credits). To be taken concurrently with N425. Fall semester.

439 Practicum: Critical Care Practicum (2 credits). To be taken concurrently with N438. Spring semester.

Course Available to All Options

490 Overview of Nursing Research (3 credits). Focuses on reading, understanding and evaluating nursing and other health care research for the purpose of applying research find-
SCHOOL OF HEALTH SCIENCES

ings to professional nursing practice. Prerequisite: completion of junior core in nursing and support courses or permission of instructor. Fall semester.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health section.

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 and who have declared a major in: pre-medicine, pre-dentistry, pre-dental hygiene, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-veterinary medicine, etc. In view of the specialized nature of each program, each student should seek counsel regularly from the particular advisor who has been designated for his or her major field of interest.

Students who will be making application for professional school should be aware that certain materials must be submitted and admissions examinations taken before deadlines which are established by the several professions. Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, and the Graduate Record Examination for veterinary medicine schools, must be taken at specific times. These examinations may or may not be administered on BSU campus. The deadlines change from year to year. It is the responsibility of the student to ascertain from his/her advisor the specific deadlines which pertain to the application process, admission testing, and the fees involved for the particular program.

CLINICAL

In addition to their academic course work the Preprofessional 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.

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 AND PRE-DENTAL STUDIES*

1. Biology Option
   Degree Requirements to include
   - General University and Baccalaureate
     - Zoology ............................................. 4
     - Botany ........................................... 4
     - Cell Biology .................................... 4
     - General Bacteriology ............................ 4
     - Comparative Anatomy ............................ 4
     - Vertebrate Embryology ........................... 4
     - Physiology Z401 or Z409 ......................... 4
     - Genetics ........................................ 4
   - Vertebrate Histology ............................... 4
   - Chemistry Requirements ............................ 23
     - College Chemistry .................................. 9
     - Organic Chemistry .................................. 10
     - Biochemistry ...................................... 4
   - Physics and Mathematics ............................. 18
     - General Physics .................................... 8
     - Math 111-204 ..................................... 10
   - Total for Areas I-IV .................................. 107
   - **Electives ........................................ 21

II. Chemistry Option
   1. General University and Baccalaureate
   Degree Requirements to include
   - English Composition .................................. 6
   - General Psychology .................................... 3
   - Biology Requirements ................................. 22-23
     - Zoology ........................................... 4
     - Botany ........................................... 4
     - Cell Biology .................................... 3
     - Comparative Anatomy ............................ 4
     - Genetics ........................................ 3-4
     - Vertebrate Embryology ............................ 4
   - Chemistry Requirements .............................. 39-40
     - College Chemistry .................................. 9
     - Organic Chemistry .................................. 10
     - Bio- or Analytical Chemistry ..................... 4-5
     - Physical Chemistry ................................ 8
     - Instrumental Analysis ................................ 4
     - Chemistry Independent Studies .................... 2
     - Chemistry Seminar .................................. 2
   - Physics and Mathematics ............................. 26
     - Math 111-204 ..................................... 10
     - Math 205-206 ..................................... 8
     - General Physics .................................... 8
   - Total for Areas I-IV .................................. 117-119
   - **Electives ........................................ 9-11

*Other Pre-Professional Studies majors should consult the faculty advisor designated for the particular field of interest.
**Additional upper division credits so that upper division credits total at least 40.

BIOLOGY OPTION

(Suggested Programs)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition .................................. 3</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry .................................. 4</td>
<td>5</td>
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<tr>
<td>Math 111-204 ....................................... 5</td>
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</tr>
<tr>
<td>Area II Courses ..................................... 3</td>
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<tr>
<td>15</td>
<td>16</td>
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SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Botany ............................................. 4</td>
<td>4</td>
</tr>
<tr>
<td>Zoology ............................................ 5</td>
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</tr>
<tr>
<td>Organic Chemistry .................................. 3</td>
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<tr>
<td>General Psychology .................................. 6</td>
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<td>Area I Courses ..................................... 3</td>
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JUNIOR YEAR

<table>
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<tbody>
<tr>
<td>Cell Biology ........................................ 3</td>
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<tr>
<td>Comparative Anatomy .................................. 4</td>
<td>4</td>
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<tr>
<td>Genetics ............................................. 4</td>
<td>4</td>
</tr>
<tr>
<td>Vertebrate Embryology ............................... 4</td>
<td>4</td>
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<tr>
<td>Biochemistry ........................................ 4</td>
<td>4</td>
</tr>
<tr>
<td>General Physics ..................................... 4</td>
<td>4</td>
</tr>
<tr>
<td>Area III Courses .................................... 5</td>
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<tr>
<td>16</td>
<td>16</td>
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</tbody>
</table>

**Electives ........................................ 21
Prepare for the future with Idaho State University's PRE-DENTAL HYGIENE program.

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 at the Idaho State University. The dental hygiene curriculum leads to a Bachelor of Science Degree in Dental Hygiene. Those students who plan to enroll in the dental hygiene program are advised to see their advisor and pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.

<table>
<thead>
<tr>
<th>PRE-DENTAL HYGIENE</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>English Composition</td>
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<td>3</td>
</tr>
<tr>
<td>Anatomy and Physiology</td>
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<td>4</td>
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<tr>
<td>Chemistry (108, 109)</td>
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<td>3</td>
</tr>
<tr>
<td>Chemistry (111, 110)</td>
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<tr>
<td>Math (111 or 115)</td>
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<tr>
<td>Introduction to Allied Health</td>
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<td>1</td>
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<tr>
<td>Area I Elective</td>
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<td>15-17</td>
<td>16</td>
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</table>

SCHOOL OF HEALTH SCIENCES

PRE-PHYSICAL THERAPY

(Suggested Curriculum)

This curriculum is designed for students interested in a professional career in physical therapy.

<table>
<thead>
<tr>
<th>PRE-PHYSICAL THERAPY</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English..................</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology...</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Math 111..................</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Psychology...............</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lecture (131)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lab (132)......</td>
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<td>1</td>
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</tbody>
</table>
**PRE-VETERINARY MEDICINE**

Before the freshman year is finished, the student should see the Physical Therapy advisor to pattern the sophomore year according to the requirements of the school he/she is planning to attend.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Mathematics 111-204</td>
<td>10</td>
</tr>
<tr>
<td>General Physics</td>
<td>8</td>
</tr>
<tr>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Electives Needed</td>
<td>38-39</td>
</tr>
</tbody>
</table>

**SUGGESTED PROGRAM**

**1ST SEM.**

- English Composition: 3
- College Chemistry: 4
- Mathematics 111-204: 5
- Area I/II Electives: 3

**2ND SEM.**

- 15
- 16

**SOPHOMORE YEAR:**

- General Botany/Zoology: 4
- Organic Chemistry: 5
- Nutrition: 3
- Area I/II Electives: 6

**1ST SEM.**

- 15
- 15

**2ND SEM.**

- 14-15

**JUNIOR YEAR:**

- Cell Biology: 3
- Genetics: 3
- General Physics: 4
- Elective: 4
- Area I/II Electives: 6

**SENIOR YEAR:**

- 17
- 12

**COURSES**

**H HEALTH SCIENCES**

For H Health Sciences courses see Community and Environmental Health Section.