### ACADEMIC INFORMATION

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#### Mechanical Technologies

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<td>Heavy Duty Mechanics—Diesel</td>
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<td>Parts Counterman</td>
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<td>Small Engine Repair</td>
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#### Service Occupations

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<td>Horticulture Service Technician</td>
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<td>Office Occupations</td>
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SCHOOL OF ARTS & SCIENCES

Dean: William J. Keppler, PhD
Associate Dean: Margaret Peek, PhD

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

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

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

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

ACTIVITIES

THE COLD-DRILL
The Department of English, in addition to offering a chance for students to improve their creative, literary skills by studying under producing authors in classes aimed to increase the student's critical and creative abilities, publishes each year a National 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 booklets 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 in-
through the medium of student recitals, organizations, and extramural and intercollegiate 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 Subal 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 University each year, as well as science fairs, environmental workshops, etc.

### DEPARTMENT OF ART

Liberal Arts Bldg., Rm. 252  
Phone 208/385-1230

**Chairman and Professor:** Dr. Louis A. Peck  
**Professors:** Huff, Killmaster, Kober, Skov, Takehara;  
**Associate Professors:** Douglass, Heap, Ochi, Oravez, Roberts, Russell, Watia;  
**Assistant Professors:** Benson, Blankenship, Taye, Taylor;  
**Instructors:** Hoopes, Smith, Thomson

#### ART MAJOR

**Lower Division — All Degrees**  
*(Suggested Program)*

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**I. Art/Advertising Design — Bachelor of Arts Program**

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**III. Advertising Design — Bachelor of Fine Arts Degree**

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**II. Art Education — Bachelor of Arts Program**

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II. Art Education — Bachelor of Fine Arts
1. General University & Core Requirements 32
2. a) Art Major Requirements
   2. a) Art Major Requirements
   1. General University & Core Requirements 32
   2. a) Art Major Requirements
   3. Education Requirements for Qualification Toward State Certification
   a. Art Courses 37
   b. English Courses 37
   c. Foreign Language Courses 37
   d. History Courses 37
   e. Math/Physics Courses 37
   f. Physical Education 37
   3. Professional Electives 27-25
   4. Electives 128*

III. Art/Advertising Design — Bachelor of Fine Arts Degree
Advertising Design Emphasis
1. General University & Core Requirements 32
2. a) Art Major Requirements
   1. General University & Core Requirements 32
   2. a) Art Major Requirements
   1. General University & Core Requirements 32
   2. a) Art Major Requirements
   2. a) Art Major Requirements
   2. a) Art Major Requirements
   3. Education Requirements for Qualification Toward State Certification
   a. Art Courses 37
   b. English Courses 37
   c. Foreign Language Courses 37
   d. History Courses 37
   e. Math/Physics Courses 37
   f. Physical Education 37
   3. Professional Electives 27-25
   4. Electives 128*

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

Art Courses
Introduction to Art AR 103 3
Basic Design AR 105-106 6
Drawing AR 111-112 4

SCHOOL OF ARTS & SCIENCES

Spec. Topics: Design & The Creative Process AR 297 2
Interior Decorating AR 131 2
Spec. Topics: Architectural Graphic Communication AR 297 2
Spec. Topics: Basic Architectural Design AR 297 2
Spec. Topics: Materials & Methods AR 297 3
Watercolor AR 217 2

Engineering Courses
Technical Drawing EN 101 2
Digital Computer Program EN 104 2

English Courses
English Composition EM 101-102

Mathematics Courses
Algebra & Trigonometry M 111
Calculus & Analytical Geometry M 112

Physics Courses
General Physics PH 101-102

Physical Education Requirements may be necessary

COURSE OFFERINGS

AR ART

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

LOWER DIVISION
AR 100 Basic Drawing and Painting For Non-Art Majors (0-4-2) (F/S). A one semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the basic fundamentals of drawing and painting.
AR 101 Survey of Western Art (3-0-3) (F). A historical survey of Painting, Sculpture, and Architecture from Prehistoric Art through the Middle Ages.
AR 102 Survey of Western Art II (3-0-3) (S). A historical survey of Painting, Sculpture, and Architecture from the Renaissance to the present.
AR 103 Introduction to Art (3-0-3) (F). A one-semester course designed to acquaint the general college student with the aesthetics of Painting, Sculpture, Architecture, and related Art forms.
AR 105 Basic Design (2-2-3). A two or three dimensional theoretical and applied study of the basic design elements underlying all Art areas.
AR 106 Basic Design (2-2-3). 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. Advisable to take AR 105 prior to AR 106.
AR 107 Lettering (0-4-2) (F/S). A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout.
AR 108 Lettering and Layout (8-2-2) (F/S). A study of layout typography, and lettering techniques used in advertising design, for advertising design majors. Advisable to take AR 107 prior to AR 108.
AR 111 Drawing (0-4-2) (F/S). A study of line, chiaroscuro, space, volume, and perspective, utilizing a variety of media; still life, landscape, plant, animals and other subject matter may be used. Limited enrollment spring semester.
AR 112 Drawing (0-4-2) (F/S). Continuation of AR 111 with an emphasis on more advanced drawing problems. Compositional imaginative, or semi-abstract work may be done, utilizing a variety of subject matter including some figure drawing. Prerequisite: AR 111.
AR 113 Painting (0-4-2). Study of basic techniques of painting in oil, acrylic or other media as determined by instructor. Students will learn to represent form and space through study of value relationships and through use of monochromatic color. Still life and other subject matter will be used. Advisable to take AR 111 Painting concurrently with AR 113. Limited enrollment spring semester.
AR 114 Painting (0-4-2) (F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.
AR 115 Landscape Painting (0-6-3) (SU). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.
AR 116 Landscape Painting (0-6-3) (SU). (Description same as AR 115 above.) Second summer session.
AR 123 Crafts (0-4-2) (F/S). Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and dye, creative stitching, enamelling, macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. This course is open to non-Art majors.
AR 131 Interior Decoration (2-2-2) (F/S). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabric, carpet, and furniture.
AR 203 Advertising Design (0-4-2) (F). Special assignments in various techniques employed in advertising and commercial art. Advisable to take AR 209 prior to AR 203.

AR 204 Advertising Design (0-4-2) (S). Advanced work in various techniques employed in advertising and commercial art. Advisable to take AR 209 prior to AR 204.

AR 205 Painting (0-4-2). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic or other media may be used. May be repeated once for credit. Prerequisite: AR 211 and AR 114.

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

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

AR 219 Portrait and Figure Painting (0-4-2). Painting from models with an emphasis on a representational approach. Study of form, color and composition as they relate to the human figure. Model fee. Advisable to take AR 114 and 112 prior to AR 219. May be repeated once for credit.

AR 221 Art Metals (0-4-2) (F). A creative exploration in design and construction problems emphasizing the relationship between material and finished work. Metalworking techniques will be utilized with primary emphasis on jewelry design and metals. Craftsmanship and the care and usage of tools will be stressed.

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

AR 225 Introduction to Creative Photography (0-4-2) (F). An introduction to the technical and aesthetic aspects of photography emphasizing the use of the camera, film development, and enlargement of prints.

AR 226 Ceramics (0-4-2) (S). Beginning the use of the potter’s wheel, molding, casting and constructing. Advisable to take AR 105 and 106 prior to AR 226.

AR 231 Sculpture (0-4-2) (F). Work in a variety of three dimensional material with emphasis on the techniques of carving, modeling and casting. Advisable to take AR 105 or 106 prior to AR 231.

AR 232 Sculpture (0-4-2) (S). Continued work in a variety of three dimensional materials with emphasis on the techniques of carving, modeling, and casting. Advisable to take AR 231 prior to AR 232.

AR 251 Introduction to Creative Photography (2-4-3) (F/S). An approach to the basic photographic skills of camera operation, film development, and enlargement of negatives. All work will be in black and white. Adjustable camera required.

AR 305 Studio In Advertising Design (0-6-3) (F/S). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. Advisable to take AR 203 and 204 prior to AR 305. May be repeated once for credit.

AR 306 Studio In Visual Design (0-6-3) (F/S). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and 106 prior to AR 305.

AR 307 Studio In Metalsmithing (0-6-3) (F/S). Advanced study in the materials of jewelry making and metalsmithing with special emphasis on forging, stonsetting, cutting, and mechanical techniques as further personal development of craftsmanship. May be repeated once for credit. Prerequisite: AR 221, 222.

AR 308 Studio In Printmaking (0-6-3). Advanced printmaking in any of the following specialized areas, each of which may be repeated once for credit: intaglio, lithography, serigraphy, and relief printing.

AR 311 Advanced Drawing (0-6-3) (F/S). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit. Prerequisite: AR 211. AR 215.

AR 315 Studio In Painting (0-6-3). Creative work in representational or nonrepresentational areas in any media. May be repeated once for credit. Prerequisite: AR 215.

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

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

AR 319 Portrait and Figure Painting (0-6-3). Painting from models in realistic or semiabstract styles based on individual interests. Model fee. May be repeated for credit. Prerequisite: AR 217 and Upper Division status.

AR 321 Elementary School Art Methods (2-3-3) (F/S). For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Prerequisite: Methods and materials conducive to free and spontaneous expression are stressed.

AR 325 Studio In Ceramics (0-6-3) (F/S). Advanced study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 225 prior to AR 325. Individual instruction will be given. May be repeated once for credit.

AR 331 Studio In Sculpture (0-6-3) (F/S). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. Advisable to take AR 231 and 232 prior to AR 331. May be repeated once for credit.

AR 341 Studio In Creative Photography (2-4-3) (F/S). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Adjustable camera required. Advisable to take AR 231 prior to AR 341.

AR 344 Studio In Creative Photography, Color Printing (2-4-3) (F/S). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing in color. Adjustable camera required. May be repeated for credit. Prerequisite: AR 215 or PERM/INST.

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

AR 351 Secondary School Art Methods (2-3-3) (F). Art education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum, planning.

AR 361 Studio In Advertising Illustration (0-6-3) (F/S). Advanced studio emphasizing techniques and methodology of illustrating finished art for ads. Advisable to take AR 231 or AR 232 prior to AR 361. May be repeated for credit.

AR 431 Studio In Sculpture (0-6-3). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 231 and 232 prior to AR 431. Individual instruction will be given. May be repeated for credit.

AR 432 Studio In Ceramics (0-6-3) (F/S). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 231 and 232 prior to AR 432. Individual instruction will be given. May be repeated for credit.

AR 498 Senior Seminars (3-0-3) (FIS). Required reading and written and oral reports relative to the senior art major’s area of interest within the visual arts.

DEPARTMENT OF BIOLOGY

Science-Education Bldg., Rm. 223 Phone 208/358-3626
Chairman and Associate Professor: Rychert; Professors: Baker, Fritchman, Fuller, Jones, Papenduss; Associate Professors: Cen-tanni, Kelley, Long, McCloskey, Rychert, Wicklow-Howard, Wylie, Yensen.

REQUIREMENTS FOR BIOLOGY MAJOR

1. Bachelor of Science Option
   1. General University and Baccalaureate Degree Requirements: See pages 30-32...

2. Major Requirements
   A. Biology
      1. Biology Core
         - General Botany BT 130...
         - General Zoology Z 130...
         - Cell Biology B 225...
      2. Biology Seminar B 486, 499...

38
### BIOLOGY MAJOR
Bachelor of Science
(Suggested Program)

#### FRESHMAN YEAR:

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<th>Course Details</th>
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### BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science
(Suggested Program)

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<td>Teaching Science in the Secondary School B 305</td>
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#### SENIOR YEAR:

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SCHOOL OF ARTS & SCIENCES

PREFORESTRY AND WILDLIFE MANAGEMENT

This program is designed to satisfy the Lower Division coursework typically completed during the freshman and sophomore year in a School of Forestry. Students wishing to earn a bachelor's degree in this area of study usually transfer to the University of Idaho School of Forestry for their junior and senior years.

1ST SEM. 2ND SEM.

English Composition E 101-102 3 3
General Botany BT 130 4 -
General Zoology Z 130 - 5
Essentials of Chemistry C 107-110 4 5
Mathematics - -
16 18

FRESHMAN YEAR:

SOPHOMORE YEAR:
General Physics PH 101, 102 4 4
General Forestry FS 101 - 2
Systematic Botany BT 201 - 4
Fundamentals of Speech CM 111 3 -
Basic Surveying EN 215 2 -
Digital Computer Programming EN 124 2 -
Principles of Economics EC 201-202 3 3
Physical Education - 1 1

B 401 Organic Evolution (3-0-3) (S). Philosophical basis and historical development of evolutionary theory. Detailed examination of genetic variation, mechanisms of evolutionary change, adaptation, speciation, and phylogeny. Genetics recommended. Offered alternate years. Prerequisite: BT 130, Z 130, PERM/INST.

B 412 General Parasitology (2-3-3) (F). Animal parasites with emphasis on those of man and his domestic animals. Lectures cover general Biology, life history, structure, function, distribution, and significance of parasites. Laboratory provides experience in identification and detection. Prerequisite: B 225, PERM/INST.


B 420 Immunology (3-0-3) (F). A survey of the principles of immunology, host defense systems, the immune response, immune disorders, serology and other related topics. Representative laboratory procedures will be demonstrated. Prerequisite: B 203, PERM/INST.

B 422 Bioecology (3-0-3) (S). A survey of the physical factors of the environment and their effect on the mode of life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Prerequisite: BT 130, Z 130, PERM/INST.

B 424 Bioecology Laboratory (0-3-1) (S). Field and laboratory investigations into topics of physical habitats, populations, pollution, etc. Weekend field trips may be taken. Prior or concurrent enrollment in B 423 required.

B 498, 499 Biology Seminar (1-0-1) (F/S). A review of pertinent literature on selected topics. Restricted to senior Biology majors.

BT BOTANY

UPPER DIVISION

BT 302 Plant Anatomy (2-4-3) (S). A study of the structure and development of vascular plant tissues, regions, and organs. Emphasis will be placed on the Angiosperms. Prerequisite: BT 100, B 225, PERM/INST.

BT 311 Plant Morphology (3-4-4) (F). A comparative study of the structure, function, reproduction, and development of major plant groups. Phylogeny, Paleobotany, and economic importance of various plant groups will be considered. Prerequisite: BT 130, B 225, PERM/INST.

BT 330 Mycology (3-0-3) (F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. Prerequisites: BT 130, B 225, PERM/INST.

BT 491 Plant Physiology (3-4-4) (F). Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions; mineral requirements; metabolism, water uptake, photosynthesis; soil chemistry; and the alkaloids and glucosides synthesized by plants. B 302 and PH 101, 102 recommended. Prerequisite: B 225, C 317, PERM/INST.

FS FORESTRY

LOWER DIVISION

FS 101 General Forestry (2-0-2) (S). A survey of forestry, timber management and economics, and the propagation of important trees of the United States.

Z ZOOLOGY

UPPER DIVISION

Z 107 Concepts of Human Anatomy and Physiology (3-2-4) (F/S). A survey of human structure and function with emphasis on regulatory mechanisms of the body. This is a terminal course and does not satisfy allied health program requirements.

Z 111, 112 Human Anatomy and Physiology (3-3-4). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior to concurrent enrollment in C 107 is recommended.

Z 130 General Zoology (3-6-5) (F/S). Introductory study of animals. Fundamentals of structure, function, development, life cycles, diversity, heredity, evolution, and ecology.

UPPER DIVISION

Z 381 Comparative Vertebrate Anatomy (3-6-4) (F). The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. Prerequisite: Z 130, PERM/INST.

Z 395 Entomology (3-4-4) (F). Biology of insects with emphasis on identification and life cycles. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring semester before enrolling; receive directions on how to properly collect if they wish to take advantage of the more productive summer months. Prerequisite: B 225, PERM/INST.
Z 307 Invertebrate Zoology (2-6-4) (S). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Offered in alternate years. Prerequisite: Z 210, PERM/INST.

Z 341 Ornithology (2-3-3) (S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. Prerequisite: Z 210, PERM/INST.

Z 351 Vertebrate Embryology (2-6-4) (S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of the human and other vertebrate embryos. Two weekend field trips. Offered alternate years. Prerequisite: Z 210, PERM/INST.

Z 355 Vertebrate Natural History (2-6-4) (F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds, and mammals. Two weekend field trips. Prerequisite: Z 307, PERM/INST.

Z 400 Vertebrate Histology (2-6-4) (F). Microscopic anatomy of cells, tissues, and organs of vertebrates. Major emphasis will be on mammalian systems. Two weekend field trips. Prerequisite: Z 355, PERM/INST.

Z 411 Ichthyology (3-3-4) (F). A survey of the fishes with emphasis on their taxonomic identification, morphology, behavior, life histories, distribution, and adaptations of fishes with emphasis on their taxonomic identification, morphology, behavior, life histories, distribution, and adaptations of fishes. Two weekend field trips. Prerequisite: Z 130, PERM/INST.

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

DEPARTMENT OF CHEMISTRY

Science-Education Bldg., Rm. 315 Phone 208/385-3963
Chairman and Professor: Mr. Jack L. Dalton; Professors: Banks, Carter, Ellis, Hibbs, Peterson, Stark; Associate Professors: Matjeka, Mercer

The Department of Chemistry offers Baccalaureate Degree programs in Chemistry to prepare students to:
- teach Chemistry in secondary schools
- enter a career in the Chemistry laboratory
- attend a graduate school in Chemistry or Biochemistry
- attend a professional school in medicine

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

REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option:
This degree prepares the student for employment as a chemist or for admission to medical school.

1. General University and Baccalaureate Degree Requirements. See pages 29.

   A. Chemistry
   - College Chemistry C 131, 132, 133, 134............................................. 44
   - Organic Chemistry C 317, 318, 319, 320.............................................. 10
   - Physical Chemistry C 321, 322, 323, 324............................................ 8
   - Quantitative Analysis C 211, 212.......................................................... 5
   - Advanced Inorganic Chemistry C 401....................................................... 3
   - Instrumental Analysis C 411................................................................. 2
   - Chemistry Seminar C 498, 499.............................................................. 2

   B. Mathematics
   - Completion of Mathematics through Calculus M 206................................. 10-18
   - Calculus M 206......................................................................................... 11

II. Secondary Education Option:
This degree program prepares the student to teach Chemistry in secondary schools.

1. General University and Baccalaureate Degree Requirements. See page 29.

2. Major Endorsement Requirements

   A. Chemistry
   - College Chemistry C 131, 132, 133, 134............................................. 37-38
   - Quantitative Analysis C 211, 212........................................................... 5
   - Organic Chemistry C 317, 318, 319, 320............................................. 10
   - Physical Chemistry C 321, 322, 323, 324............................................ 8
   - Additional Upper Division Course(s)...................................................... 3-4

   B. Mathematics
   - Completion of Mathematics through M 206............................................. 11
   - Physics Sequence
   - PH 220, 221, 222, 223.......................................................................... 11

3. Idaho Certification Requirements
   - Foundations of Education TE 201......................................................... 3
   - Secondary Education Methods
   - TE 381, C 305....................................................................................... 6
   - Senior High School Student Teaching TE 483.......................................... 8
   - The Senior High School TE 487............................................................ 1

NOTE: The Idaho Professional Standards Commission now requires a year of Biology.

(Suggested Program)

FRESHMAN YEAR:

1ST SEM.
English Composition E 101, 102.............................................................. 3
College Chemistry C 131, 132, 133, 134............................................. 4
Mathematics M 111, 114................................................................. 4-5
Degree Requirements........................................................................... 3
Physics I PH 220..................................................................................... 3

2ND SEM.
English Composition E 101, 102.............................................................. 3
College Chemistry C 131, 132, 133, 134............................................. 4
Mathematics M 111, 114................................................................. 4-5
Degree Requirements........................................................................... 3

SOPHOMORE YEAR:

Quantitative Analysis C 211, 212.......................................................... 5
Mathematics M 205, 206......................................................................... 4
Physics I in III PH 221, 222................................................................. 3
Physics Lab I and II PH 223, 224......................................................... 1
Degree Requirements........................................................................... 9

JUNIOR YEAR:

Physical Chemistry C 321, 322, 323, 324............................................. 4
Organic Chemistry C 317, 318, 319, 320............................................. 5
Degree Requirements or Electives......................................................... 6-8

SENIOR YEAR:

Chemistry Seminar C 498, 499.............................................................. 1
Advanced Inorganic Chemistry C 401....................................................... 3
Instrumental Analysis C 411.................................................................. 4
Independent Study C 496....................................................................... 1
Degree Requirements or Electives......................................................... 9

(Suggested Program)

FRESHMAN YEAR:

1ST SEM.
English Composition E 101-102............................................................ 3
College Chemistry C 131, 132, 133, 134............................................. 4
Mathematics M 111, 114................................................................. 4-5
Degree Requirements........................................................................... 3

2ND SEM.
English Composition E 101-102............................................................ 3
College Chemistry C 131, 132, 133, 134............................................. 4
Mathematics M 111, 114................................................................. 4-5
Degree Requirements........................................................................... 3

41
C 109 Essentials of Chemistry (3-0-3) (S, SU) (Area III). A continuation of C 107 to include intermediate metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material studies. Prerequisite: C 431.

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

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

C 433L Laboratory for Biochemistry (3-0-3) (S). Identification, isolation, and reaction to biologically important compounds. Prerequisite: C 431 or concurrent enrollment.

C 456G Advanced Inorganic Chemistry (3-0-3) (F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solvents, and selected properties of elements of the periodic table and inorganic compounds. Prerequisite: C 322, PERM/INST.

C 411G Instrumental Analysis (2-3-4) (S). Theory and practice of the more common instrumental methods of analysis. Laboratory experience with commercial equipment. Prerequisite: C 211, 320. C 350 may be taken concurrently.

C 413G Introduction to Biochemistry (3-0-3) (F). A study of the chemistry of biologically important compounds and an introduction to metabolism. Prerequisite: C 411.

C 422G Biochemistry Laboratory (3-0-3) (S). Physical chemical behavior of biological compounds, including intermediary metabolism and synthesis of proteins. Laboratory experience with commercial equipment. Prerequisite: C 431.

C 498, 499 Chemistry Seminar (2 to 3 credits), 3

COURSE OFFERINGS

C CHEMISTRY

LOWER DIVISION

C 100 Concepts of Chemistry (3-3-0) (S, SU) (Area III). A descriptive nonmathematical course designed to acquaint students with the science of Chemistry and the relationship of Chemistry to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve as part of a Chemistry sequence. Students who have received credit for C 109 or C 133 may not receive credit for C 100.

C 103 Preparation for Chemistry (0-3-1). Lectures and recitations for students lacking necessary background for essentials of Chemistry. Mathematics, basic definitions, and basic concepts of Chemistry. To be taken prior to or concurrently with C 107.

C 107 Essentials of Chemistry (3-0-3) (Area III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. Prerequisite: C 100 or concurrent enrollment in C 107. Concurrent enrollment in C 107 is required.

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

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

C 110 Laboratory for Essentials of Chemistry (0-2-1) (S, SU) (Area III). The laboratory to accompany C 110. Prerequisite: C 107, 108. Concurrent enrollment in C 108 is required.

C 121 College Chemistry (3-0-3) (F, SU) (Area III). The first semester of a one-year sequence course. A thorough study of the fundamentals of Chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. Prerequisite: M 111 or 115. Concurrent enrollment in C 122 is required.

C 122 Laboratory for College Chemistry (3-0-1) (F, SU) (Area III). Laboratory work to accompany C 121. Prerequisite: C 110. Concurrent enrollment in C 121 is required.

C 133 College Chemistry (3-0-3) (S, SU) (Area III). A continuation of C 131 to include equilibrium, redox, and complex ions. Prerequisite: C 121, 132.

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

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

C 212 Quantitative Laboratory Technique (0-2-1) (F). Practical applications of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. Prerequisite: C 211 or concurrent enrollment.

C 210 Teaching Science in Secondary School (2-0-2) (Area III). To include methods used in teaching Chemistry in secondary schools. Refer to page 102 of this Catalog where minor certification endorsements for teaching areas are listed in the Department of Teacher Education.

DEPARTMENT OF COMMUNICATION

Requirements for Communication Major:

1. Completion of University requirements for Bachelor of Arts degree as listed on pages 29, 30.

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

   Introduction to Communication Study CM 115
   Perspectives on Communication CM 421
   Communication Seminar CM 498 (2 to 3 credits)
   Communication Lab CM 116, 216, 316, 416 credits to be accumulated
   Courses for Area of Emphasis

   Graduation requirements for English majors...

   32 credits...

   B. 6.5...
COMMUNICATION MAJOR
Bachelor of Arts Program

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

INTERPERSONAL COMMUNICATION EMPHASIS

1. General University Requirements
2. Departmental Core Requirements ........................................... 20
   Suggested Courses as follows:
   A. Listening CM 131
      Interpersonal Communication CM 221
      Communication in the Small Group CM 251
      Interviewing CM 307
      Small Group Process CM 431 ........................................... 9
   B. Mass Discourse Concepts and
      Perspectives CM 171
      Nonverbal Communication CM 341
      Intercultural Communication CM 351
      Organizational Communication CM 361
      Persuasion CM 412
      Public Relations CM 478 ........................................... 9
   C. Rhetorical Theories CM 321
      Message Analysis and Criticism CM 331
      Contemporary Public Communication CM 332 ..................... 3
   D. Reasoned Discourse CM 112
      Communication Activities CM 114/314
      Voice and Diction CM 121
      Public Speaking CM 231
      Oral Interpretation CM 241
      Reporting and Newswriting CM 273
      Applied Communication CM 312
      Communication Practicum CM 451
      Radio-TV Newswriting CM 471 .................................... 4-14
      45-55

MASS COMMUNICATION EMPHASIS

1. General University Requirements
2. Departmental Core Requirements ........................................... 20
3. Suggested Courses, as follows:
   A. Mass Communication: Concepts and
      Perspectives CM 171
      Contemporary Public Communication CM 332
      Intercultural Communication CM 351
      Organizational Communication CM 361
      Ethics, Law and Communication CM 461
      Persuasion CM 412
      Public Relations CM 478 ........................................... 9
   B. Reporting and News Writing CM 273
      Photo Communication CM 277
      Journalistic Communication Practicum CM 372
      Communication Graphics CM 379
      Radio-TV Newswriting CM 471
      Feature Writing CM 473
      Critical Writing CM 474 ........................................... 9
   C. Departmental Electives .................................................. 7-17
      45-55

SECONDARY EDUCATION EMPHASIS

1. General University Requirements
2. Departmental Core Requirements ........................................... 20
3. Education Requirements (see Section VI
   Secondary Education)
4. Suggested Courses, as follows:
   A. Oral Interpretation CM 241 ........................................... 3
      Methods of Teaching Communication CM 401 ...................... 3
   B. Reasoned Discourse CM 112
      Communication Activities CM 114/314
      Voice and Diction CM 121
      Listening CM 131
      Interpersonal Communication CM 221
      Public Speaking CM 231
      Applied Communication CM 312
      Nonverbal Communication CM 341

SCHOOL OF ARTS & SCIENCES

Communication Practicum CM 451 ........................................... 9
C. Communication in the Small Group CM 251
   Interviewing CM 307
   Small Group Process CM 431 ........................................... 3
D. Rhetorical Theories CM 321
   Message Analysis and Criticism CM 331 ......................... 3
E. Mass Communication: Concepts and
   Perspectives CM 171
   Reporting and Newswriting CM 273
   Intercultural Communication CM 351
   Persuasion CM 412 ................................................... 4
   45

NOTE: A student with a single teaching field must complete at least 45 credits. See certification Requirements and Endorsements for Secondary Education as listed in the School of Education section of the Catalog.

JOURNALISTIC COMMUNICATION EMPHASIS

1. General University Requirements
2. Departmental Core Requirements ........................................... 20
3. Other Required Courses .................................................. 18
4. Suggested Courses, chosen from the following
   Mass Communication: Concepts and
   Perspectives CM 171
   Interviewing CM 307
   Journalistic Communication Practicum CM 372
   Radio-TV Newswriting CM 471
   Feature Writing CM 473
   Critical Writing CM 474
   Public Relations CM 478
   45-55

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

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

OR any other program listed on page 32 of BSU Catalog (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

COMMUNICATION — ENGLISH

A. With Journalism emphasis: Department requirements

COMMUNICATION
   Introduction to Communication Studies CM 115 ...................... 2
   Perspectives on Inquiry CM 201 ..................................... 3
   Communication Laboratory CM 116, 216 ............................. 3
   Interpersonal Communication CM 221 ............................... 3
   Rhetorical Theories CM 321 .......................................... 3
   Perspectives on Communication CM 421 ............................. 3
   Communication Electives (Upper Division) ......................... 10
   27

ENGLISH
   Literature Survey ....................................................... 6
   **Composition above the basic sequence ............................. 6
   Introduction to Language Study LI 305 ............................. 3
   Literature Electives (Upper Division) ............................. 12
   27

(Add Senior Seminar - Either CM 498 or E 498 - 2 hours)
Total Hours: 56 (27 and 27 and 2)

* British or American. Students should consider Upper Division courses they will want to take.
** To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or technical writing.
*** 3 hours in courses before 1800.

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## SCHOOL OF ARTS & SCIENCES

### COMMUNICATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CM 101</td>
<td>Fundamentals of Speech—Communication</td>
<td>3-3-3</td>
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<tr>
<td>CM 216</td>
<td>Communication Laboratory</td>
<td>V-V-V to 4</td>
</tr>
<tr>
<td>CM 277</td>
<td>Photographic Communication</td>
<td>3-0-3</td>
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**LOWER DIVISION**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CM 111</td>
<td>Fundamentals of Speech—Communication</td>
<td>3-0-3</td>
</tr>
<tr>
<td>CM 132</td>
<td>Voice and Diction</td>
<td>3-0-3</td>
</tr>
<tr>
<td>CM 122</td>
<td>Introduction to Manual English</td>
<td>3-0-3</td>
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<tr>
<td>CM 131</td>
<td>Listening</td>
<td>3-0-3</td>
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<tr>
<td>CM 201</td>
<td>Mass Communication</td>
<td>3-0-3</td>
</tr>
<tr>
<td>CM 207</td>
<td>Research Methods</td>
<td>3-0-3</td>
</tr>
<tr>
<td>CM 215</td>
<td>Communication Laboratory</td>
<td>V-V-V to 4</td>
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**INTERPERSONAL COMMUNICATION**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CM 211</td>
<td>Small Group Process</td>
<td>3-0-3</td>
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**ADVANCED WRITING AND LINGUISTICS**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CM 221</td>
<td>Interpersonal Communication</td>
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**PERSPECTIVES ON COMMUNICATION**

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CM 231</td>
<td>Public Speaking</td>
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**THEORETICAL THINKING**

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<tbody>
<tr>
<td>CM 241</td>
<td>Oral Interpretation</td>
<td>3-0-3</td>
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**COMMUNICATION IN THE SMALL GROUP**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CM 251</td>
<td>Communication in the Small Group</td>
<td>3-0-3</td>
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**REPORTING AND NEWS WRITING**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CM 273</td>
<td>Reporting and News Writing</td>
<td>3-0-3</td>
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</table>

**COURSE OFFERINGS**

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CM 111 Fundamentals of Speech—Communication</strong></td>
<td>3-0-3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>CM 132 Voice and Diction</strong></td>
<td>3-0-3</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Upper Division</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CM 201 Mass Communication</strong></td>
<td>V-V-V to 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>CM 277 Photographic Communication</strong></td>
<td>3-0-3</td>
<td>3</td>
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</tbody>
</table>

**British or American Students should consider Upper Division courses they will take.**

**To be chosen from E 201, Technical Writing, Li 305, 306, 309.**

**N.B. Electives:**

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

**Total Hours:** 56 (27 and 27 and 2)
**DEPARTMENT OF ENGLISH**

Liberal Arts Bldg., Rm. 228  
Phone 208/385-1246

**Chairman and Professor:** Dr. Charles G. Davis; **Professors:** Boyer, Chatterton, Martin; **Associate Professors:** Maguire, Peek, Sahni, Willis; **Assistant Professors:** Ackley, Bruno, Burmaster, Cocotis, Evett, Fox, Hadden, Hansen, King, Leahy, McGuire, Nickerson, Papinckak, Rinnett, Sanderson, Selander, Trusky, Warner.

**ENGLISH MAJOR**  
Bachelor of Arts Degree

I. Completion of general University requirements for Bachelor of Arts. See page 29, 30.

II. Completion of Departmental Core

1. Specific Courses
   a. Survey of British Literature E 240, 260  
   b. Shakespeare E 345, 346  
   c. Introduction to Language Studies L 305  
   d. History of Literary Criticism E 383  
   e. Senior Seminar E 498

2. Area Requirements
   a. American Literature E 271, 272, 378, 364  
   b. Pre-1800 British Literature E 340, 341, 347  
   c. Post-1800 British or American Literature E 380, 365, 387, 384, 385, 389, 390

   *Fulfills Area I requirements.

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 L 309
   c. Upper Division English Electives

2. Options in Secondary Education
   a. Option 7-9 (Junior High)
      1. Writing E 201, 401 (instead of E 393)
      2. Language L 309 and 307 or 405
      3. Methods E 301 and 381 or TE 358
      4. Speech
      5. Literature for use in Junior and Senior High School E 481
   
   b. Option 10-12 (Senior High)
      1. Language L 207 and 309 or 405
      2. Methods E 301 and 381 or TE 358
      3. Speech
      5. Upper Division English Electives

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6. Western World Literature E 230

7. Idaho Certification Requirements

8. Successful completion of departmental competency exam

9. Option 7-12 (composite)
   a. Language L 309 and 307 or 405
   b. Methods E 301 and 381 or TE 358
   c. Speech
   d. Literature for use in Junior and Senior High School, E 481
   e. Upper Division English Electives
   f. Western World Literature
   g. Idaho Certification Requirements
   h. Successful completion of departmental competency exam

**Minor Endorsement:** English  
Advanced Composition  
Linguistics  
E 301, 381  
Survey of American Literature E 271, 272

**Lower Division Requirements**

1. Language L 309 and 307

2. Methods E 301 and 381 or TE 358

3. Speech

4. Literature for use in Junior and Senior High School, E 481

5. Upper Division English Electives

6. Correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or
DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

Liberal Arts Bldg., Rm. 206  Phone 208/385-3956  Chairman and Associate Professor: Dr. John B. Robertson; Professors: Jocums, Valverde; Associate Professors: Jose, Schoonover; Emeriti; Power; deNeuville.

FOREIGN LANGUAGE MAJOR Bachelor of Arts Degree

Completion of general University requirements for the Bachelor of Arts Degree (see pages 29, 30).

GERMAN MAJOR, BA Option

1. To begin the program for the BA in German, the student must demonstrate competency in German equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German - 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedure.

2. The program has a minimum of 36 semester hours of Upper Division work, 30 credits must be in German and 12 credit hours of these 30 must be on the 400 level.

3. The candidate must successfully complete one Senior Seminar.

4. The program must be developed in consultation with the major advisors and the department chairman.

5. The candidate must demonstrate his or her level of language competency in German on the MLA or equivalent examination during the last semester in the program.

GERMAN MAJOR, BA with Teaching Option

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

1. Requirements as indicated in the School of Education, Part VI.

2. From among the courses provided to complete 30 credit hours in German, the candidate must include: 6 credits of advanced Conversation and Composition and 6 credits of Culture and Civilization.

3. The candidate must demonstrate his or her level of language competency in German on the MLA or equivalent examination during the last semester in the program.

GERMAN, Teaching Option with a minor endorsement (21 credit hours)

Students wishing a minor endorsement in German must have completed the following:

1. Demonstrate competency equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German - 16 credit hours, either by course work or by placement/challenge procedure, prior to beginning the option.

2. Advanced German Conversation and Composition, G 303, 304, 6 credits.
3. Selection from German Culture and Civilization, G 376, 377, 475, 6 credits.
4. Selection from any German literature course, 6 credits.
5. Teaching Methodology in Foreign Languages, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language competency in German on a standardized examination during the last semester in the program.

SPANISH MAJOR, BA Option
1. To begin the program for the BA in Spanish, the student must demonstrate competency in Spanish equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202) Spanish — 16 credit hours. Completion must be demonstrated either by examination or coursework.
2. The program has a minimum of 36 semester hours of Upper Division work, 30 credits must be in Spanish and 12 credit hours of these 30 must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisor and the department chairperson.
5. The candidate must demonstrate his or her level of language competency in Spanish language and civilization on the MLA or equivalent examination during the last semester in the program.

SPANISH MAJOR, BA with Teaching Option
In addition to meeting the requirements for the BA in Spanish, the candidate for a teaching endorsement must complete the following:
1. Requirements in the School of Education as indicated in Part VI.
2. From among the courses provided to complete 30 credit hours in Spanish, the candidate must include: 6 credit hours of advanced Conversation and Composition and 6 credit hours of Culture and Civilization, specifically S 376 and 377. S 475 may be substituted for either S 376 or 377 but both Peninsular Spanish Civilization and Latin American Civilization must be represented.
3. The candidate must successfully complete applied Spanish Linguistics, S 410, and the Foreign Language Methods course, FL 412.
4. The candidate must also take, in addition to the Language and Culture Section, the Teaching Methodology and Linguistics Section of the MLA Proficiency Exam.

SPANISH, Teaching Option with a minor endorsement
(24 credit hours)
Students wishing a minor endorsement in Spanish must have completed the following:
1. Demonstrate competency equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202) Spanish — 16 credit hours, either by taking the courses or by examination, prior to beginning the option.
2. Advanced Spanish Conversation and Composition, S 303, 304, 3 credits.
3. Spanish and Spanish-American Culture and Civilization, S 376-377, 6 credits. S 475 may be substituted for either S 376 or S 377 but both Peninsular Spanish Civilization and Latin American Civilization must be represented.
4. Selected from any Spanish literature course, 6 credits.
5. Applied linguistics in Spanish, S 410, 3 credits and Teaching Methodology in Foreign Languages, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language civilization, linguistic and pedagogy competency in Spanish by a standardized examination during the last semester in the program.

FRENCH, Teaching Option with a minor endorsement
(21 credit hours)
Students wishing a minor endorsement in French must have completed the following:
1. Demonstrate competency equivalent to the completion of elementary (F 101-102) and intermediate (F 201-202) French — 16 credit hours, either by course work or by examination, prior to beginning the option.
2. Advanced French Conversation and Composition, F 303-304, 6 credits.
4. French Literature, 6 credits.
5. Teaching Methodology in Foreign Languages, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language competency in French by a standardized examination during the last semester in the program.

PLACEMENT TEST
Students with prior experience in a second language which exceeds the equivalent of one year of high school second language instruction, must take the Foreign Language placement test before enrolling. This test is administered prior to each semester. Please check the BSU Fall and Spring Calendars for specific times. Placement into the proper course will be made on the basis of placement test results in consultation with departmental advisors.

A student with competence in a language other than English may receive up to 16 credits in that language upon successful completion of one of the following:
A. Challenge of a language course in the BSU Catalog, see page 28.
B. Successfully complete a course for which there is a second language prerequisite — see BSU Catalog, page 26.
C. Demonstrate level of competence by a recognized test:
   1. National test such as MLA, FSI, CLEP or
   2. As administered through another university with recognized authorities in the language being tested, and certified in writing by that authority. With this option, the student shall also follow the administrative steps for a regular challenge — see BSU Catalog, page 28.

The Department of Foreign Languages and Literature will provide a certificate of competence in a second language based on demonstrated ability in that language. The Department particularly encourages students not taking degrees in Foreign Language to seek second language certificates which may be placed in the Placement Bureau dossier for reference to future employers.

COURSE OFFERINGS

FL FOREIGN LANGUAGE

FL 412 Teaching Methodology in Foreign Languages (3-0-3). Discussion of problems and trends in language learning applied to practical activities in language acquisition. Evaluation of language learning objectives, instruction methods, culture presentations, testing, teaching aids and resource materials. Practicum—visitations, developing teaching plans, presenting teaching units. Prerequisite: Nine Upper Division credits in one language or PERM/DEPT.

FR FRENCH

LOWER DIVISION

F 101-102 Elementary French (4-1-4) (F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.
F 201-202 Intermediate French (4-1-4) (F/S). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, practice in conversation and in A-V laboratories. Prerequisite: F 102 or PERM/DEPT.

UPPER DIVISION

F 393 Advanced French Composition and Conversation (3-0-3). This course, conducted in French, provides the matrix for enlarging one’s French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French speaking world concentrating on the common and high frequen-
F 304 Advanced German Composition and Conversation (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings extensively style imitations and personal essays. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 328 Lectures Avancées de la Possee et de la Possee Francaises (3-0-3). Selected unobstructed works of great French authors, all genres, between 1715 to 1939, with emphasis on the classics. May be repeated once for credit. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 359 Les Grandes Oeuvres Contemporanes (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French-speaking world since the beginning of the Second World War. For example, Ayme, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. Prerequisite: F 202 or equivalent. Alternate years.

F 376 La Civilization Francaise Historique (3-0-3). Studies in the development and expansion of French culture with an emphasis on the French Revolution, history, politics, art, geography, literature, music and science; assessment of the contribution of French Civilization to the Western World. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 377 La Civilization Frangophone Moderne (3-0-3). Studies in modern French civilization since the end of the "ancien regime," the French Revolution, history, politics, art, geography, literature, music and science; assessment of France's contribution to the modern democracies. Prerequisite: F 202 or PERM/DEPT. Alternate years.

GR GREEK

GR 101-102 Greek Language & Literature (3-0-3). An introductory course providing the student with a basic knowledge of the forms and syntax of the language are emphasized, with work in reading lab or access to cassettes. A study of ancient authors. Translation and analysis of extended pagan and Christian texts is undertaken. Euthymological study illustrates the debt of modern languages to Greek. Alternate years.

LA LATIN

LA 101-102 Latin Language & Literature (3-0-3). An intensive, one-year, introductory course to provide a basic reading ability in classical Latin, and a basic knowledge of ancient Roman literature. The vocabulary, forms and syntax of Latin are emphasized with passages excerpted from Latin authors. Euthymological study illustrates the debt of modern languages to Latin. Alternate years.

R RUSSIAN

R 101-102 Elementaty Russian (4-1-4). This course is designed to develop the beginning student's abilities in understanding, speaking, reading and writing Russian. Classes meet four times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years.

G GERMAN

LOWER DIVISION

G 101-102 Elementary German (4-1-4). Listening, speaking, reading and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent with PERM/INST. Students in G 102, lacking adequate preparation may drop back to G 101.

G 109-109P Programmed Elementary German (0-0-4). Self-paced course programmed texts, tapes, readings. Informal meetings with instructor. Performance tests at student's pace. Work in reading lab or access to cassettes as needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 Intermediate German (4-1-4). A continuation of G 101-102. This course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. Prerequisite: G 102 or equivalent as determined by placement examination and consultation.

UPPER DIVISION

G 300 Advanced German Conversation and Composition (3-0-3). Practice towards idiomatic fluency. Readings from newspapers, magazines, essays, discussion of slides, tapes, and films. Frequent written required. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 304 Advanced German Conversation and Composition (3-0-3). Similar goals and format to G 303. More extended writing assignments. Prerequisite: G 202 or equivalent as determined by placement exam and consultation. Alternate years.

G 311 Introduction to German literature and Literary Studies (3-0-3) (F). Major writers and periods provide samples from various genres and an overview of German literary development. The course is intended to provide insights into literary craftsmanship. Prerequisite: G 202 or equivalent as determined by placement examination and consultation.

G 375 German Culture and Civilization (3-0-3). German civilization from prehistoric times through the 18th century. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Class conducted in German. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 377 German Culture and Civilization (3-0-3). German civilization from 1800 to present. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Classes conducted in German. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 410 Applied Linguistics for the German Language Teacher (2-0-2). Functional application of linguistic theory to foreign language teaching and learning practices. Analysis of ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. Prerequisite: G 202 or equivalent, and minimum of six credits upper division German and/or inference teaching and/or equivalence as determined by placement test and interview. Alternate years.

G 415 AufklQrung und der Sturm und Orang (18th Century) (3-0-3). Selections from the "Storm and Stress": Selections from Gottsched, Hauer, Klopstock, Lichtenberg, Kant, Herder, Lessing, J. M. R. Lenz, the early Goethe and Schiller, etc. Prerequisite: G 331 or PERM/INST. Alternate years.

G 425 Der Traum der Anrike und die Traumwelt (1780-1830) (3-0-3). Readings from the classical and romantic periods in their general literary and historical context, Selections from Goethe, Schiller, Holderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, and others. Prerequisite: G 341 or PERM/INST. Alternate years.

G 435 Reaktion: Liberal und Konservatlv (19th Century) (3-0-3). Selections from a wide cross-section of 19th century German Literature: the "Young Germans": Grillparzer, Hebbel, Gotthelf, Keller, Stifter, Storm, C. F. Meyer and others. Prerequisite: G 302 or PERM/INST. Alternate years.

G 467 Bilder und Bauer, Gott und Mensch (1500-1720) (3-0-3). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics, Minnesang, moral tales and plays, religious pantheering, chapbooks, Fastnacht plays, Angelus Silesius, Gryphius, Grimmelshausen, etc. Prerequisite: G 321 or PERM/INST. Alternate years.

G 475 Die deutschsprachige Welt von heute (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes education, science, business, politics, literature, music and culture. Prerequisite: G 375 or 377 or PERM/INST. Alternate years.

G 499 Senior Seminar (3-0-3). Required of all German majors in the Liberal Arts Option. Introduces students to research into an area of interest originating in the seminar. The research culminates in a paper to be presented in seminar. Prerequisite: Senior standing or PERM/INST.

S SPANISH

LOWER DIVISION

S 101-101 Elementary Spanish (3-0-3). Develops abilities in understanding, speaking, reading and writing. Offers a basic study of grammatical structures and vocabulary. Introduces the student to Hispanic culture. Students may not enroll for S 101 for credit if they have had more than one year of high school Spanish or the foreign language.

S 201-202 Intermediate Spanish (3-0-4). 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. Prerequisite: S 102 or equivalent as determined by placement examination and consultation.

S 203 Spanish for the Native Speaker (4-0-4). A course designed especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. Prerequisite: S 201 or equivalent as determined by placement examination and consultation.

S 205 El Vernacular Mexicano-Americano (2-0-2). This is a course intended to acquaint students with the vernacular of the Mexican-American community. Particular attention is given to its linguistic, social and cultural determinants, such as vernacular vocabulary, idioms and regionalisms, phonological and syntactical variants as have been recently observed in contemporary usage. Prerequisite: S 201 or equivalent. Course conducted in Spanish. Offered in alternate academic years.

UPPER DIVISION

S 302 Advanced Spanish Conversation and Composition (3-0-3) (Alternate years). Expands facility in expressive conversation as well as accuracy in written Spanish. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. 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.

S 304 Advanced Spanish Conversation and Composition (3-0-3). Designed to continue expanding facility in expressive conversation as well as accuracy in written 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.

S 331 Introduction to Hispanic Literatures and Literary Analysis (3-0-3) (F). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretative criticism, using as models some of the major works of Hispanic literature. Prerequisite: S 202 or equivalent as determined by placement examination and consultation.

S 376 Cultura Y Civilizacion Española (3-0-3). 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. Prerequisites: S 201 or equivalent as determined by placement examination and consultation.

S 377 Cultura Y Civilizacion Hispanoamericana (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural development of Hispanic nations, and their contributions to the western world. Discussions in Spanish; some readings in English. Prerequisites: S 201 or equivalent as determined by placement examination and consultation. Alternate years.

S 378 Panorama de la Tradicion Cultural Mexicana-Americana (3-0-3). An exploration of the Mexican-American cultural tradition, both with respect to its history as well as its in-
fluence on the contemporary American: music, dance, art, folklore, customs, beliefs, and institutions. Prerequisite: S 202 or equivalent. Course is conducted in Spanish. Offered in alternate academic years.

S 385 La Gente Mexicana-Americana en los Estados Unidos (3-0-3). Deals with the historical works of Mexican-Americans, through the Spanish conquest of Mexico and the struggle for independence, the Mexican-American War, and the development of the American population in the United States over the past 130 years. Readings and papers in Spanish and English required. Prerequisite: S 202 or equivalent. Alternate years.

S 474 Eventos Contemporaneos de Gentes y Paises Hispanohablantes (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems and trends facing this people in their respective countries today. Prerequisite: S 376 or S 377 or S 304 or PERM/INST.

GEOLOGY MAJOR
Bachelor of Science Degree

1. Geology Major
   1. General University and BA Degree Requirements. See pages 29, 30 for Graduation Requirements.
   2. Major Requirements
      A. Geology and Geophysics ................................................................. 53
         Physical Geology GO 101 ............................................................ 4
         Historical Geology GO 103 .......................................................... 4
         Mineralogy GO 221 ................................................................. 3
         Optical Mineralogy GO 232 ......................................................... 2
         Field Geology GO 280 ................................................................. 3
         Igneous & Metamorphic Petrology GO 323 ..................................... 3
         Igneous & Metamorphic Petrography GO 324 .................................. 3
         Sedimentology GO 311 ................................................................. 3
         Stratigraphy GO 312 ................................................................. 3
         Geomorphology GO 313 ................................................................. 3
         Structural Geology GO 314 ............................................................. 3
         Invertebrate Paleontology GO 351 .................................................. 3
         Geophysics GP 301 or 325 ............................................................ 3
         Advanced Field Geology GO 480 or Senior Thesis GO 495 ............ 3
         Senior Seminar GO 498 or 499 ....................................................... 1
         Geology Electives ................................................................. 10
      B. College Chemistry C 131, 132, 133, 134 ..................................... 9
      C. General Physics PH 101-102 or Physics I, II, III with labs PH 220-224 ................................................................. 8-11
         D. Mathematics through M 206* or 212 .............................................. 10-15
         E. Cartography GG 220 or Surveying EN 215 .................................. 2-3
         F. Recommended Electives ............................................................... 15
      Area I, Photography, Foreign Language ........................................ 3
      Area II, Economics, Geography ....................................................... 4
      Area III, Technical Writing, Physical Chemistry, Mathematics, Programming, Biology

DEPARTMENT OF GEOLOGY AND GEOPHYSICS
Science Building, Room 119 Phone 208/385-1631
Chairman Professor: Dr. Monte D. Wilson; Professors: Hollenbaugh, Spinoza, Warner; Associate Professors: Donaldson, Hardymen, Wood; Assistant Professors: Bentley, White, Zawislak, Adjunct Faculty: Deliso, Gillette.

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. Nondegree course offerings in Geology meet the 15 credit requirement under the 30-15-15 Social Sciences Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Societal and Urban Studies.

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

The program leading to the BS degree in Geophysics is designed for students who would like a career in applied Geophysics or 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 of courses in Geology, Math, Chemistry and Physics to support the Geophysics courses, preparing the student for professional employment or graduate school.

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

In addition to the courses formally offered in all degree programs, a student may acquire credit for independent study, internship, or for participation in departmental research projects. It is strongly recommended that high school students who plan to enter the Geology, Geophysics, or Earth Science program include Chemistry, Physics, and as much Mathematics as possible in their high school program.
**SCHOOL OF ARTS & SCIENCES**

**GO GEOLGY**

**COURSE OFFERINGS**

GO 108 Fundamentals of Geology (3-2-4) (AREA III). An introduction to the principles of Physical and Historical Geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in Geology, Geology or Earth Science majors, and those non-science majors who plan an eight hour sequence in Geology.

GO 101 Physical Geology (3-2-4) (AREA III). A study of the origin and development of the earth, its materials and processes. Topics include weathering, erosion, volcanism, earthquakes, landscapes and plate tectonics. Rocks, minerals and topographic and geologic maps are studied in the laboratory.

GO 103 Historical Geology (3-3-4) (AREA III). A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. Prerequisite: GO 101.

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

GO 111 Geology of Idaho and the Pacific Northwest (3-0-3) (Field trips required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. Prerequisite: GO 103 or PERM/INST.

GO 201 Introduction to Ocean Geology (3-0-3) (F/S). A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Prerequisite: GO 103.

GO 213 Introduction to Meteorology (3-0-3) (F). An introduction to the study of weather phenomena in terms of origins, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: GO 101.

GO 221 Mineralogy (2-3-3) (F). A study of the chemical and physical properties of minerals and their relationships to geologic environments. The laboratory work includes the study of crystal symmetry, hand sample identification and classification of minerals. Prerequisite: GO 101. Corequisite: C 131.
GO 232 Optical Mineralogy (1-3-2) (F). The theory and application of the polarizing microscope to the examination of minerals. Corequisites: GO 221.

GO 235 Principles of Paleontology (2-3-3) (F/S). Overview of paleontology for non-geology majors. Focus on evolution and description of important fossil groups studied. Laboratories to study small collections and simple museum methods. Term paper or project.

GO 286 Field Geology (1-4-3) (F). Techniques of field mapping to solve geologic problems. Field exercises include geologic map, paleomagnetic map, and outcrop detail mapping. Lab problems include field mapping, interpretation of geologic observations, and preparation of a comprehensive report on the geology of areas visited. Prerequisite: Upper division standing or PERM IINST.

GO 311 Sedimentology (2-3-3) (F). A study of the classification of sedimentary rocks and processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Field methods and techniques are stressed; laboratory work consists of compositional and textural analyses. Prerequisite: GO 103, E 102.

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

GO 313 Geomorphology (2-3-3) (F). (Field trips required). A study of the earth's physical surface including mountains, valleys, beaches, and rivers and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. Prerequisite: GO 103, E 102.

GO 314 Structural Geology (2-3-3) (F). (Field trips required). A study of the description and classification of fundamental deformational features in rocks of the earth's crust and the theoretical and mechanical explanations of their origin. Lab problems in 3-dimension visualization, geometric analysis, and solution of structural problems utilizing maps and cross-sections. Prerequisite: GO 101, MM 111.

GO 323 Igneous and Metamorphic Petrology (2-3-3) (S). A study of igneous and metamorphic rocks with emphasis on the physical and chemical constraints on their origin, occurrences and associations. A review of the classification schemes of these rocks and their tectonic affiliations. Prerequisite: GO 221, GO 232 Corequisite: GO 324.

GO 324 Igneous and Metamorphic Petrography (0-3-1) (S). The study of igneous and metamorphic rocks in thin section by means of the polarizing microscope. A systematic survey of the classes of igneous and metamorphic rocks and their origin and histories through examination of their mineralogy, textures, fabrics, and alteration. Prerequisite: GO 223 Corequisite: GO 322.

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

403 Engineering Geology (2-3-3) (S). (Field trips required). Application of Geology to engineering projects. Aspects of Geology are applied to construction and maintenance. Case histories of major projects are studied. Prerequisite: GO 314.

GO 352 River and Water Resource Geology (2-3-3) (F). A study of rivers and the process by which they are formed and changed. Laboratory work consists of case histories of major projects, and student visits to major river systems. Prerequisite: GO 101, E 102.

GO 381 Advanced Structural Geology (2-3-3) (S). A study of the geometric properties of deformed rocks, their measurement, and analysis. Course will emphasize structural analysis of field data, mapping, structural measurements, and analysis. Prerequisite: GO 312, GO 314.

GO 411 World Economic Geography (3-0-3) (F/S). A study of the economic geography of the world. The political, cultural, and economic condition of the various countries are studied. Included are the study of the distribution and variation of natural resources and human activity related to producing, exchanging and consuming commodities. Economic activities are studied in the context of where they occur, their regional characteristics and their role in national or international phenomena. Prerequisite: GO 101, or PERM IINST.

GO 412 Ore Deposits (3-0-3) (F). Field trips required. Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration and secondary enrichment, controls of ore occurrences and the economics of exploration, development, and use of ores. Prerequisite: GO 221, GO 314.

GO 422 Exploration and Mining Geology (3-0-3) (S). The course emphasizes geologic, engineering, and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematic, scientific exploration, evaluating, and presenting data pertinent to exploration and development discussions are also studied. Field trips required.

431 Petroleum Geology (2-3-3) (S). (Field trips, odd years). A study of the nature and origin of the petroleum geology, the genetic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. Prerequisite: GO 311, GO 314.

GO 480 Volcanology (2-0-3) (F). Field trips, odd years). A study of volcanic processes and the deposits they produce, the geologic conditions that determine their migration, accumulation and distribution, and field and petrographic characteristics of various types of volcanic deposits as well as their volcanic-geologic relationships will be emphasized. Prerequisite: GO 222 or Corequisite: GO 222.

GO 471 Regional Field Study and Report Writing (1-0-3) (S). Extensive field trip over spring semester to study the geology of classic locales in the western United States. The trip will require assembly of pertinent geologic maps and literature, recording of geologic observations, and preparation of a comprehensive report on the geology of areas visited. Prerequisite: Upper division standing or PERM IINST.

GO 482 Advanced Field Geology (1-4-3) (S). Field geologic mapping of at least two areas with a diversity of geologic relationships. Large scale mapping will emphasize solution of problems of significance in economic or engineering geology and may include petroleum exploration with addition to field work. Map and accompanying geologic report will be of professional quality. Field work on most weekends is required. Prerequisite: GO 280, GO 314.

GO 493 Senior Thesis (4-8 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Project must be well-stated and method of study designed to give a conclusive result. Project may be substituted for GO 480 upon approval by a committee of three department faculty members of a written proposal. Prerequisite: Senior standing.

GO 488, 499 Geology Seminar (1-0-1). 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.

GG GEOGRAPHY

LOWER DIVISION

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

GO 102 Cultural Geography (3-0-3) (F/S) (AREA II). A study of the distribution and character of man's cultural activities throughout the world with analysis of man-land relationships.

GO 201 The Use and Interpretation of Maps (3-0-3) (F/S). An intensive use and interpretation of a wide spectrum of map types, their advantages and limitations for students of various fields, such as Archaeology, History, Geology and teaching.

GG 220 Cartography (1-6-3) (F/S). A study of the methods, concepts, techniques, and instrumentation of map construction. Map projections and graphic presentation of the earth will be used as means of analyzing data, summarize computer systems, map projections, and scale. Lettering, tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.

GO 211 Geography of Idaho and the Pacific North West (3-0-3) (F). Physical and cultural geography of the Pacific Northwest with emphasis on Idaho. Study includes the continuing physical, biological, social, political, and economic changes of the role of the region in relationship to the United States. Current problems and problem solving in accordance with the known resource base.

GO 212 Geography of Canada and Latin America (3-0-3) (F/S). A study of the natural and cultural geographies of Canada and Latin America with emphasis on the resources, environments, peoples and potential of each region. Prerequisite: GO 101, PERM IINST.

GO 214 Geography of Africa and the Far East (3-0-3) (F/S). The physical and cultural geography of Africa and the Far East with emphasis on the relationships and changes with the regions. Topics include various landscapes, flora and fauna, peoples and problems. Prerequisite: GO 101, PERM IINST.

UPPER DIVISION

GG 311 World Economic Geography (3-0-3) (F/S). The course explores the changing physical and cultural landscapes of the United States through time and space and analysis of the various regions. Included is the study of the distribution and relationship between peoples, land and resources. Prerequisite: GO 312.

GG 311 World Economic Geography (3-0-3) (F/S). A real distribution and variation of resources and human activity related to producing, exchanging and consuming commodities. Economic activities are studied in the context of where they occur, their regional characteristics and their role in national or international phenomena. Prerequisite: GO 101, or PERM IINST.

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

GP GEOPHYSICS

UPPER DIVISION

GP 311 Introduction to Geophysics (3-0-3) (F). A survey of surface and borehole-based geophysics methods, including elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, electrical, and borehole techniques. Applicability of various techniques to exploration geology (economic and petroleum), engineering geology and groundwater geology will be stressed. Prerequisite: PH 102, GO 101.

GP 325 Physics of the Earth (3-0-3) (S). The course will include a discussion of the earth's gravity, magnetism, electricity, seismicity, heat and radioactivity and the significance of these properties in understanding the complexities of the earth. Prerequisite: GP 102.

GP 431 Applied Geophysics I (4-3-3) (F). A detailed treatment of the application of geophysical methods used in petroleum and mineral exploration and geotechnical investigations. Practical laboratory and field studies will be conducted using geophysical instrumentation. Theory, data acquisition, data reduction and data interpretation will be emphasized. Prerequisite: GO 314, GP 301, M 321 and PH 222.

GP 452 Applied Geophysics II (4-3-3) (S). A continuation of GP 451 with emphasis on field procedures, equipment array and geophysical surveying techniques. Prerequisite: GP 451.
I. Liberal Arts Option

A. General University Requirements to include:

   1. One year of college level Foreign Language ........................................ 6-8
   2. American National Government .................................................. 3

B. History Requirements:

   Lower Division Courses .......................................................... 15
   History of Western Civilization
   HY 101, 102, or 201, 202 ............................................ 6
   U.S. History HY 151, 152, or 251, 252 .................................... 6
   Intro to the Study of History HY 210 ..................................... 3

**3. Other History Courses .................................................. 27
   History Seminar ................................................................. 3
   Seminar or Colloquium ....................................................... 3
   Upper Division History (minimum) .................................... 12
   Additional History Upper or Nonrequired Lower Division ............... 9

C. Electives .............................................................................. 28-36

II. Secondary Education Option

A. General University Requirements:
   American National Government .................................................. 3

B. History Requirements:

   1. Lower Division Courses .................................................. 15
   History of Western Civilization
   HY 101, 102, or 201, 202 ............................................ 6
   U.S. History HY 151, 152 or 251, 252 .................................... 6
   Introduction to the Study of History HY 210 .......................... 3

**2. Other History Courses .................................................. 27
   U.S. History Electives (Upper Division) ................................... 3
   Upper Division History (minimum) .................................... 12
   Seminar or Colloquium ....................................................... 3
   Additional History Electives (Upper or Nonrequired Lower Division) ... 9

C. Education Requirements for State Certification
   for Secondary Education to include SS 450 .............................. 22-27

D. Electives .............................................................................. 18-13

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

**Majors must have coursework 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.
HY 229 History of Modern South Asia: India, Pakistan and Burma from 1750 to the Present (3-0-3) (F/S). The Mogul Empire; its decline; the rise of British Power; its social, political, and economic impact; South Asian reaction to British rule; the role of the Indian National Congress; and Indian and Pakistani history since 1947.

HY 330 History of Modern Africa: 1750-Present (3-0-3) (F/S). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial and colonial eras, independence movements, and the emergence of the modern African state. Mediterranean, Black and White African states will be included.

HY 331 The Islamic Middle East (3-0-3) (F/S). A history of the people, institutions and culture of the Near and Middle East from the decline of the Ottoman and Safavid empires in the eighteenth century to the present.

HY 332 The Modern Middle East (3-0-3) (S). A history of the Near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. HY 151 recommended. Alternate years.

HY 333 History of Sports and the American Ideal (3-0-3) (F/S). Traces the historic development of sport in America and its impact on American society. From Indian games to Big League this course has something for every interest. The area of sport is placed within the context of American thought and the social milieu of the nation.

HY 334 United States Social and Cultural History (3-0-3) (F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions and intellectual developments. HY 151, 152 recommended.

HY 335 Diplomatic History of the United States (3-0-3) (F/S). Development of diplomacy from the emergence of the Republic to the present with emphasis on the emergence and continued influence of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policy. HY 151, 152 recommended. Alternate years.

HY 336 United States Constitutional History (3-0-3) (F). A study of the origins, writing and development of the American constitution emphasis on the role of the Supreme Court. Prerequisite: HY 151, 152 or PERM/INST. Alternate years.

HY 338 History of Ireland (3-0-3) (F/S). The development of the concept of an Irish nationalism; the effects of the long struggle for Irish independence; the contemporary Ulster issue. Alternate years.

HY 351 Colonial America (3-0-3) (F/S). 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 PERM/INST.

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

HY 354 Civil War and Reconstruction (3-0-3) (F/S). A study of the origins of the conflict between the states, the encounter and the problems of reunion. Prerequisite: HY 151 or PERM/INST. Alternate years.

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

HY 356 The Indian in the United States History (3-0-3) (F/S). Emphasis is on Indian-white relations. The time period studied extends from early contacts, European rivalries, and the origins of the United States Indian policy, to the reservation system, Red Power, and the current Indian problems.

HY 357 Idaho and the Pacific Northwest (3-0-3) (F/S). Political, economic and social development of the pacific northwest with emphasis upon the people, customs and institutions of the area. HY 151 recommended.

HY 358 Emergence of Modern America, 1877-1917 (3-0-3) (S). The industrial growth of the United States; emergence as a world power; Roosevelt, Wilson, and the Progressive Era. Prerequisite: HY 152 or PERM/INST.

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

HY 360 Colonial Spanish America (3-0-3) (F). The development of distinctive Spanish American societies through the merging of medieval Spanish with American and African cultures in south and middle America, all within the framework of European rivalries, culminating with the independence wars of the early 19th century. Prerequisite: HY 102. Alternate years.

HY 362 Spanish American Nations (3-0-3) (S). The struggle towards democracy, economic progress, and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relationships with the United States. Prerequisite: HY 367. Alternate years,.

HY 363 Colloquium in American History (3-0-3). Intensive studies of a particular period, topic, or problem in American history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.

HY 365 Colloquium in European History (3-0-3). Intensive studies of a particular period, topic, or problem in European history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.

HY 366 Colloquium in Third World History (3-0-3). Intensive studies of a particular period, topic, or problem in Third World history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.
DEPARTMENT OF HOME ECONOMICS

Science Bldg., Rm. 104 Phone 208/385-1750
Acting Chairman and Associate Professor: Mrs. Elaine M. Long; Associate Professor: Swain; Instructor: Johnson.

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 or Dietetics from a school with a four-year degree program.
B. Students from other disciplines who choose to minor in Home Economics. Twenty-six hours of credit in Home Economics may be earned and applied to one's minor.
C. Students from other disciplines who require courses in Home Economics, such as students in Fashion Merchandising, Nursing and Physical Education.
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.

The curriculums outlined are designed for those students who are interested in professional careers in Home Economics or Dietetics.

PRE-HOME ECONOMICS

(Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Laboratory Science</td>
<td>4</td>
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<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Introduction to Home Economics HE 101</td>
<td>1</td>
<td>—</td>
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<tr>
<td>Clothing Construction HE 103</td>
<td>—</td>
<td>3</td>
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<tr>
<td>Art AR 105, 106</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Textiles HE 109</td>
<td>—</td>
<td>3</td>
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Physical Education Activities .......... 1 1
Clothing and the Individual HE 107 .......... 2 2
Electives .......... 2 1

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<tr>
<th>SOPHOMORE YEAR</th>
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<tbody>
<tr>
<td>House Planning HE 203 .......... — 3</td>
</tr>
<tr>
<td>Principles of Food Preparation HE 208 .......... 4 —</td>
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<tr>
<td>Home Furnishings HE 305 .......... 3 —</td>
</tr>
<tr>
<td>Nutrition HE 207 .......... 3 —</td>
</tr>
<tr>
<td>Social Science (History, Political Science) .......... 3 3</td>
</tr>
<tr>
<td>Microbiology B 205 .......... — 3</td>
</tr>
<tr>
<td>Concepts of Human Anatomy &amp; Physiology Z 107 .......... 4 —</td>
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<tr>
<td>Psychology P 101 .......... 3 —</td>
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<tr>
<td>Introduction to Sociology SO 101 .......... — 3</td>
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<td>Electives .......... — 1</td>
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PRE-DIETETICS OPTION

(Suggested Program)

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<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Essentials of Chemistry C 107, 108, 109, 110</td>
<td>4</td>
<td>5</td>
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<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Human Anatomy &amp; Physiology Z 111, 112</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Psychology P 101</td>
<td>3 —</td>
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<tr>
<td>Sociology SO 101 .......... — 3</td>
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<tr>
<td>Physical Education Activity .......... 1 1</td>
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<tr>
<td>Textiles HE 109 .......... — 3</td>
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<tr>
<td>Health HE 105 .......... — 3</td>
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<tr>
<td>Nutrition HE 207 .......... — 3</td>
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<tr>
<td>Consumer in the Marketplace HE 250 .......... — 3</td>
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<tr>
<td>Algebra &amp; Trigonometry M 111 .......... 4 5</td>
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<tr>
<td>Microbiology B 205 .......... — 3</td>
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<tr>
<td>Technical Writing E 202 .......... — 3</td>
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<tr>
<td>Cultural Anthropology AN 102 .......... — 3</td>
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<tr>
<td>A First Course in Programming M 122 .......... — 2</td>
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<tr>
<td>Economics E 201 or 202 .......... — 3</td>
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<tr>
<td>Health HE 202 .......... — 3</td>
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<th>SOPHOMORE YEAR</th>
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<tr>
<td>Nutrition HE 207 .......... 3 —</td>
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<tr>
<td>Principles of Food Preparation HE 208 .......... 4 —</td>
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<tr>
<td>Consumer in the Marketplace HE 250 .......... 3 —</td>
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<tr>
<td>Microbiology B 205 .......... 4 —</td>
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<tr>
<td>Technical Writing E 202 .......... 3 —</td>
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<tr>
<td>Cultural Anthropology AN 102 .......... 3 —</td>
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<tr>
<td>A First Course in Programming M 122 .......... 2 —</td>
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<tr>
<td>Economics E 201 or 202 .......... 3 —</td>
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<td>Health HE 202 .......... 3 —</td>
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<th>COURSE OFFERINGS</th>
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<td>HE HOME ECONOMICS</td>
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LOWER DIVISION

HE 101 Introduction to Home Economics (1-0-1) (F). 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.

HE 103 Clothing Construction (1-6-3). Clothing projects involving basic, intermediate and advanced techniques determined by student skills, abilities and interest. Emphasis on speed techniques and solution of individual fitting problems.

HE 107 Clothing and the Individual (2-0-2). Social-psychological aspects of clothing selection. Design principles related to individual figure proportions, personality and need. Wardrobe planning, selection and care.


HE 207 Nutrition (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Open to all students.

HE 208 Principles of Food Preparation (2-6-4) (F). Interrelationships of the nutritive value of foods, principles of food preparation, and the human body. Approved techniques of food preparation to retain nutrients and enhance palatability, food safety and sanitary practices, and food management will be stressed. Prerequisite or Corequisite: HE 207.

HE 225 Parenthood and Child Development (3-0-3). Parenthood skills and physical, mental, social, emotional and ethical aspects of child development. Husbands and pregnan-
DEPARTMENT OF MATHEMATICS

Science Bldg., Rm. 202 Phone 208/385-1172

Chairman and Professor: Dr. Charles R. Kerr; Associate Chairman and Associate Professor: Dr. Masao M. Sugiyama; Professors: Hughes, Juola, Maloof, Mech, Takeda; Associate Professors: Anderson, Ball, Eastman, Ferguson, Furuyama, Hausrath, Kenny, Lamet, Sulanke, Ward, Winans, Young; Assistant Professors: Goldman, Smartt.

The Department of Mathematics provides two Bachelor Degree Programs. The Curriculum leading to the Bachelor of Arts in Mathematics is designed for those students whose career interests involve the use of Mathematics or who plan to attend graduate school. The curriculum in secondary education is designed to prepare the student to teach Mathematics in secondary schools and to meet Idaho teacher certification requirements. The Master Degree Program is to provide advanced education for junior and senior high school Mathematics teachers.

MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science

I. Mathematics Degree
1. University Requirements for BA or BS Degree, Including Electives.
2. Mathematics Electives:
   Lower Division
   Calculus through M 206 or 212
   Digital Computer Programming M 124
   Applied Fortran Programming M 225 or Assembler Language M 226
   Upper Division Mathematics .................................................. 27
   One or more of:
   Linear Algebra M 301 ....................................................... 4
   Intro to Abstract Algebra M 302 ............................................ 3
   Number Theory M 306 ............................................................ 3
   One or more of:
   Foundations of Analysis M 314 .............................................. 3
   Numerical Analysis M 340 .................................................... 4
   Complex Variables M 406 ..................................................... 3
   One or more of:
   Fundamentals of Statistics M 361 .................................... 4
   Probability & Statistics M 431-432 ..................................... 6
   One of the following sequences ending at the 400 level:
   I. Algebra M 441-442
   II. Analysis M 491-492
   III. Probability & Statistics M 431-432

II. Secondary Education Degree:
1. University Requirements for BS or BA Degree
2. Mathematics Requirements:
   A. M 122 or 124 .................................................................. 2
   B. M 204, 205, 206 or 211, 212 ........................................... 10-13
   C. M 301 ............................................................................. 4
   D. At least one of M 302 or 306 ............................................ 3
   E. M 311 ............................................................................. 3
   F. M 314 ............................................................................. 3
   G. M 361 or 431, 432 .......................................................... 4-6
   H. M 490 ............................................................................. 3
   I. M 564 or Equivalent Mathematical Application Course ................. 3
   J. Either 45 semester hours of Mathematics or an approved area of emphasis outside of Mathematics.
   (NOTE: For those students planning to teach junior high school Mathematics, M 103 is strongly recommended.)

3. Education Requirements .......................................................... 22

MATHEMATICS MAJOR
Bachelor of Science
Emphasizing Computer Science
(Suggested Program)

FRESHMAN YEAR: ................................................................. 1ST SEM. 2ND SEM.

English Composition E 101-102 ................................................. 3 3
Calculus M 204-205 ................................................................. 5 4
First Course in Programming M 122 ..................................... 2 —
Fortran M 124 ................................................................. — 2
Fundamentals of Speech Communication CM 111 .................. 3 —
Area I ................................................................. — —
Area I ................................................................. — —
Electives (Area I) ................................................................. 16 15

SOPHOMORE YEAR: .......................................................... 4 —

Calculus M 206 ................................................................. — 4
Linear Algebra ......................................................... — —
Microprocessor Assembler PH 307 ..................................... 4 —
Assembler M 226 ................................................................. — 4
Principles of Economics .................................................. 3 3
Advanced Fortran M 225 ..................................................... — 2
Introduction to Logic PY 121 ................................................. 3 —
Technical Writing E 202 .................. 3
Electives ................................... 16

JUNIOR YEAR:
COBOL DP 360 .......................... 3
Numerical Analysis ..................... 3
Data Structures M 358 .................. 3
Programming Languages M 354 ....... 3
Statistics M 361 .......................... 3
Accounting AC 205-206 ................ 3
Simulation Techniques DP 345 ........ 3
*Electives .................................. 16

SENIOR YEAR:
Systems Programming M 451 ........... 4
Linear Programming M 456 ............ 3
Data Processing Applications DP 405 .. 3
System Analysis and Design DP 420 .. 3
Principles of Finance FI 303 .......... 3
*Electives (possible Internships) .. 6

*Need to include 3 more Mathematics credits at the 400 level.

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)

FRESHMAN YEAR:
English Composition E 101-102 ........ 5
Calculus M 204, 205 or 211, 212 .... 3
Electives .................................. 9

Sophomore Year:
Calculus M 206 .......................... 3
Programming M 122 or 124 ............ 2
General Psychology P 101 .............. 3
Foundations of Education TE 201 .... 3
Linear Algebra M 301 ................... 3
Electives .................................. 9

Junior Year:
Foundations of Analysis M 314 ....... 3
Algebra M 302 or Number Theory M 306 ... 3
Statistics M 361 or 431, 432 ....... 3-4

*Electives ................................. 7-8

Senior Year:
Foundations of Geometry M 311 ....... 3
Mathematics in Secondary School M 490 3
Secondary Student Teaching .......... 3
Mathematical Modeling M 564 ....... 3
(Equivalent) ............................... 3
Educating Exceptional Sec Stu TE 333 ... 3

SCHOOL OF ARTS & SCIENCES

M 202 Algebra Review (3-0-0). A refresher course for students in education, engineering, science, or business. Algebra is covered from fundamental operations through the level required for M 103, 105, 111 or 115.

M 108 A Cultural Approach to Mathematics (4-0-4) (AREA III). Designed for liberal arts students. The aspects of mathematics emphasized help cultivate creativity, abstract thought processes, an appreciation of the nature of mathematics, and an understanding of its relationship to other aspects of our culture. Prerequisite: A year of high school mathematics or PERM/INST.

M 122 A First Course in Programming (2-0-2). Programming concepts using a conversational language such as BASIC with a small to medium size computer such as the Hewlett-Packard 3000.

M 124 Digital Computer Programming (2-0-2) (F/S). Course for engineering, science, or math majors to introduce FORTRAN and BASIC programming principles and logic, including input/output, flow charting, handling arrays and subprograms all applied to problem solving. Should have math background equal to or exceeding one of core requirements. Corequisite: M 106, 111, 115.


M 206 Calculus and Analytic Geometry (4-0-4) (AREA III). Three dimensional analytic geometry and introduction to vector algebra and calculus of vector valued functions. Partial differentiation and multiple integration. Prerequisite: M 205.

M 211 Accelerated Calculus (5-0-5) (F) (AREA III). Analytic geometry, functions, limits. Differentiation and integration with applications, transcendental functions, methods of integration. M 211-212 is an accelerated version of the three semester sequence M 204-205-206. The student must have a strong high school background or have completed either M 106 or 111 with a grade of A.

M 212 Accelerated Calculus (5-0-5) (S) (AREA III). Solid analytic geometry, vectors and vector functions, partial derivatives, multiple integration, series, introduction to differential equations. Prerequisite: M 211.

M 225 Intermediate Applied Programming (2-0-2). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on languages and programming topics for the solution of science and engineering problems. Will concentrate on FORTRAN but will use other programming languages. Prerequisite: EN 104 (M 124). Credit cannot be obtained for both EN 225 and M 225.

M 225 Assembler Language (4-0-4) (S). Assembler language programming for the IBM 370. Data representation, the machine instructions, loops, address modification, handling output, program sectioning and linking, macros. Prerequisite: M 124 (EN 104) or M 122 or PERM/INST.

UPPER DIVISION

M 261 Linear Algebra (4-0-4). Matrix algebra, determinants, vector spaces and linear transformations. Prerequisite: M 206 or 212.

M 302 Introduction to Abstract Algebra (3-0-3) (S). Sets, groups, integral domains, rings, fields. Prerequisite: M 206 or 212.

M 306 Number Theory (3-0-3) (S). Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M 250 or 212.

M 311 Foundations of Geometry (3-0-3). Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Prerequisite: M 205 or 212.


M 314 Foundations of Analysis (3-0-3) (F). Logic, axiomatics, sequences, foundations of calculus, structure of the real numbers. Prerequisite: M 205 or 212.

M 340 Numerical Analysis (4-0-3) (S). The application of numerical methods to interpretation and analysis of data; general iterative methods; approximation of functions, error analysis; solution of equations with the implementation of computer programming. Prerequisite: M 124 (EN 104), M 206 or 212.

M 354 Programming Languages (4-0-4) (F). A survey of current languages (such as FORTRAN, COBOL, PL/1, SNOBOL, APL, GPSS), their programming and design. Syntax and semantics. Information binding, strings, arithmetic, input/output. Recursion, multiprocessing, extensibility. Prerequisite: M 226 or PERM/INST. Odd numbered years.

M 358 Data Structures (4-0-4) (S). The representation of data; lists, stacks, queues, storage mapping, tree structures, hierarchical data structures, recursion, searching and sorting, codes, data structures in programming languages. Prerequisite: M 226 or PERM/INST.

M 361 Fundamentals of Statistics (4-0-4) (S). Discrete probability, random variables, distributions, central limit theorem, descriptive statistics, regression and correlation, tests of hypotheses, design of experiments and sampling surveys. Prerequisite: One of M 108, 116, 205 or 212.

M 401-402 Advanced Calculus (3-0-3) (F/S). The real number system, continuity, function, properties of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformations, infinite series. Prerequisite: M 314.

M 465 Theory of Functions of a Complex Variable (3-0-3) (F). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M 206 or 212.

M 411 Introduction to Topology (3-0-3) (S). Sets, metric spaces, topological spaces, continuous mappings, connectedness, compactness. Even numbered years. Prerequisite: M 314.

M 421 Fourier Series and Boundary Value Problems (4-0-4) (F). A continuation of M 321-322. The wave equation, the heat equation, and Laplace's equation. Orthogonal sets of functions and Fourier series solutions. Boundary value problems. Prerequisite: M 322. Even numbered years.

M 430-432 Probability and Statistics (3-0-3) (F). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M 206 or 212.

M 441-442 Abstract Algebra (3-0-3) (F/S). Set theory, group theory, homomorphism theorems. Sylow theorems, ring theory, ideal theory, field theory, field extensions. Galois groups. Prerequisite: M 301, 302. Even numbered years.

M 451 Systems Programming (4-0-4) (F). Machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M 226.

M 456 Linear Programming (4-0-4) (S). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M 301. Odd numbered years.

M 490 Mathematics in Secondary Schools (3-0-3) (F). Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of Mathematics completed at, or above, the 300 level.

SCHOOL OF ARTS & SCIENCES

DEPARTMENT OF MILITARY SCIENCE

Cadre: Major Pedersen, Capt. Brown, SGM Flowers, SFC 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 ability and desire an opportunity to become commissioned officers in the United States Army Reserve. In addition, the Senior Division provides a major source of procurement for junior officers in the Regular Army. The procurement is accomplished through the selection 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: 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 one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the basic 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) be able to complete all requirements for commissioning prior to his/her 30th 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 34th birthday (students seeking a commission in the Regular Army must complete the course and graduate before reaching age 27); (3) successfully complete prescribed survey and general screening tests; (4) be selected by the President of Boise State University or any other institution to which he may thereafter be admitted; (5) execute an individual contract with the government in which the student agrees to complete the advanced course at Boise State University or any other institution at 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 allowance 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 an allowance of $100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows: Basic camp, $400 (approximately); regular camp, $500 (approximately); travel pay, $.10 per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty.

UNIFORMS

Basic and advanced course students will be provided uniforms, texts, and equipment. All such items of clothing and equipment are the property of the U.S. Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and cleanliness of the property issued to them.
COURSE OFFERINGS
ML MILITARY SCIENCE
ML 101 Introduction to Military Science (1-1-1). Provides an overview of ROTC to include history or ROTC; a synopsis of leadership of the U.S. Army, and a general introduction to military equipment. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 102 Introduction to Military Science (1-1-1). Provides an introduction to Geopolitics, war strategies and tactics, and leadership. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

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

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

ML 301 Leadership and Management (3-1-3). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the Army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in advanced camp. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

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

ML 401 Advanced Tactics (3-1-3). Prepares the prospective Army officer for initial Army assignment. Covers military staff organization and responsibilities; 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. Students apply principles of leadership by planning and executing laboratory training.

ML 402 Professional Preparation (3-1-3). Prepares the prospective Army officer for initial Army assignment. Covers the position of the United States in the world today 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. Students apply principles of leadership by planning and executing laboratory training.

DEPARTMENT OF MUSIC
Music/Drama Bldg., Rm. 122B Phone 208/385-1771
Chairman and Professor: Wilber D. Elliott; Associate Chairman and Associate Professor: Donald Oakes; Professors: Baldwin, Best, Cleveland, Meyer; Associate Professors: Brallt, Hopper, Hsu, Shelton; Assistant Professors: Baldassarre, Chacon, Samball, Schroeder, Thomason; Adjunct Faculty: Rosenbaum.

GIFTS AND MEMORIALS
The Music Department has been the recipient of many fine gifts of instruments, music, and record collections from friends and supporters of the Department. In the music auditorium is housed the J. W. Cunningham Memorial Pipe Organ, a three-manual Austin Organ of 45 ranks and 54 registers, given to the University by Laura Moore Cunningham. It is used for concerts, teaching, and practice purposes. The console for the Harry E. Morrison Memorial Carillon, built by Maas-Rowe, is also in the auditorium. Given as a memorial to her husband by Mrs. Velma Morrison, the Grand Symphony Carillon System chimes the hours and half-hours and twice daily plays a short program of carillon music.

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

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

MUSIC MAJOR PROGRAMS
The Music Department offers two Baccalaureate Degree programs which students may choose between, and one Graduate Degree program.

1. The Bachelor of Music major is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Education.
   a. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artist teachers, and composers, this program is basic to prepare students for graduate work in the performing, creative, and college or university teaching fields.
   b. Major emphasis in Music Education: designed to prepare students for music teaching careers in the secondary and elementary educational systems and also prepares students for graduate work in Music Education.

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

3. Bachelor of Music Program
   A. General Requirements:
      1. 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.
      2. All Bachelor of Music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, one of the levels in the Piano Proficiency Examination before a faculty committee. The particular level is determined by the student's major. A grade of C or better in MU 213 will meet Level I and II requirements for Music Education majors. A grade of C or better in MU 314 will meet Level III requirements for Performance and Theory-Composition majors. Details are available from the Music Department.
      3. All Bachelor of Music majors are required to register for one of the three major ensembles (Band, Choir or Orchestra) each semester, totalling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may substitute one credit of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.
      4. The following core of Music courses will be included in all Bachelor of Music curricula:
         Concert Class MA 010 (attendance required each semester of full-time residency; Music Education majors exempt during semester/weeks of student teaching).......................... 0
         Basic Conducting MU 261................................................. 3
         Survey of Music History and Literature I, II, III, IV - MU 341, 342, 343, 344.......................................................... 10
         Ensemble (see A3 above).................................................. 6-8
         35-37

   B. Emphasis Requirements
      1. Performance Emphasis Minimum Requirements:
         a. General University and lower division core requirements for Music major.
            Required major Ensembles.
            Performance Studies the first semester, Performance Studies the second semester,
            Performance Studies the third semester, and Performance Studies the fourth semester.
            audition for the three major ensembles (Band, Choir or Orchestra) each semester; totaling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may substitute one credit of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.

      2. Performance Emphasis Minimum Requirements:
         a. General University and lower division core requirements for Music major.
            Performance Emphasis Requirements for Bachelor of Music Degree (including 3 credits of Music History in Area I).................. 29-32
         b. Music Requirements:
            (1) Music Core................................................. 35-37
            (2) Performance Studies.................................. 30
         All Performance majors will take 2 credits of Performance Studies the first semester,

      6-8
         35-37

      2. Performance Emphasis Minimum Requirements:
         a. General University and lower division core requirements for Music major.
            Required major Ensembles.
            Performance Studies the first semester, Performance Studies the second semester,
            Performance Studies the third semester, and Performance Studies the fourth semester.
            audition for the three major ensembles (Band, Choir or Orchestra) each semester; totaling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may substitute one credit of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.

      2. Performance Emphasis Minimum Requirements:
         a. General University and lower division core requirements for Music major.
            Performance Emphasis Requirements for Bachelor of Music Degree (including 3 credits of Music History in Area I).................. 29-32
         b. Music Requirements:
            (1) Music Core................................................. 35-37
            (2) Performance Studies.................................. 30
         All Performance majors will take 2 credits of Performance Studies the first semester,
I. Performance Emphasis Majors:

FRESHMAN YEAR:

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Suggested Programs

II. BACHELOR OF ARTS PROGRAM REQUIREMENTS

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

B. Minimum Requirements:

- Performance Studies
- Performance Major Studies
- Performance Minor Studies
- Music History
- Music History Electives
- Music Theory
- Music Education

III. MUSIC MINOR

The Music Department will recognize a minor in Music (in conjunction with a major in a non-Music area) a minimum of 20 hours of Music credits completed. Emphasis is possible in Performance, Music Theory, History/Literature, or Music Education.


Details may be found in the Graduate School Section of this Catalog.
### SOPHOMORE YEAR:

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MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

MA 010 Concert Class (0-1-0) (FS). Student, guest and/or faculty performances. Minimum attendance of five students required for each performance. Participation in the concert/recital does not equal attendance for meeting this requirement.

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

MA 127 Beginning Guitar Class (0-2-1) (FS). Technical fundamentals in playing the acoustic guitar for beginners. Use of popular and folk songs. Course is based on written notation and aural instruction, stressing chord playing, correct posture and holding position. Students must provide their own instrument. May be repeated once for credit.

MA 128 Intermediate Guitar Class (0-1-1) (FS). Continuation of MA 127. Emphasis on understanding fret-board theory, reading music notation for guitar, solo playing. Concepts of form from levels as it relates to upper position work. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 127 or PERM/INST.

MA 150 Piano Class (0-1-1) (FS). Each semester. Maximum 2 credits allowed.

MA 180 Voice Class (0-1-1) (FS). Each semester. Maximum 2 credits allowed.

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

MA 327 Advanced Guitar Class (0-2-1) (FS). Study of music and technical problems in solo guitar playing; chord construction and progression; analysis of intervals, functional harmony, keyboards. Prerequisites: major or minor in music, knowledge of the guitar in jazz is approached within a historical perspective beginning with the 1930s. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 128 or PERM/INST.

MA 328 Jazz Guitar Class (0-2-1) (FD). 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 1930s. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 128 or PERM/INST.

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

MA 444 Music Education—Bachelor of Arts Senior Recital (0-1-1). This course is a one-half recital to be presented as the culminating project for music education majors and for bachelor of arts music majors emphasizing performance. Prerequisite: 3-credit level performance ability and PERM/INST. Graded pass/fail.

MA 445 Recital (0-1-2). Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. Prerequisite: MA 128 or PERM/INST.

MA 446 Senior Performance Recital (0-2-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the bachelor of music program. Prerequisite: 4-credit level performance ability and PERM/INST. Graded pass/fail.

MA 447 Senior Composition Recital (0-2-2). A recital for the performance of original compositions by the Theory-Composition major. Students must make their own arrangements with permission required for the recital. Composition majors. Prerequisite: Major in Theory-Composition and PERM/INST. Graded pass/fail.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES

These courses carry an extra fee. For details see schedule of fees elsewhere in this Catalog.

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

Generally, freshmen will enroll in 100-level studies, sophomores in 200-level studies, juniors in 300-level studies, and seniors in 400 or 400-level studies. Non-music majors will enroll initially in 100-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Jurors are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as Music majors from another institution or from another department within BSU must complete a performance examination for placement in the appropriate performance level.

Private Lesson Performance Studies

Course Numbering System

The three-digit course number carries the following information: first digit (1—2, etc.) = performance level; second digit = 62

Instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments); third digit = 1, 2, 3, 4 = credit value. A four-credit class is a course in which students are required to perform a minimum of five hours per week. This includes time necessary for practice outside the music studio. A three-credit class is a course in which students are required to perform a minimum of two hours per week. A one-credit class is a course in which students are required to perform a minimum of one hour per week. A zero credit class is a course in which students are not required to perform. All MC undergraduate courses may be repeated for credit (no limit).
ME 185, 385 Duo-Plano Ensemble (0-2-1) (F/S). A basic survey of duo-plano literature from the Baroque to the present. Students will learn how to cope with ensemble problems in rehearsal and performance. Class sessions will consist of performance, listening and discussion. Corequisite: Group discussion. Maximum credits: ME 185 and/or ME 385, 8 cr. Prerequisite: PERM/INST.

MU MUSIC, GENERAL

LOWER DIVISION

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

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

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

MU 128 Materials of Music II (4-0-4) (S). Voice: linear and vertical; homophony; diatonic and harmonic relationships; cadences; inversions; dominant sevenths; secondary dominants; cursory survey of binary; ternary and through-composed forms; aural and visual analyses; compositional skills; Prerequisite: MU 119 or equivalent and piano at least one year.

MU 121-122 Ear Training III (0-2-1) (F-S). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drill in sight-singing and ear training leading to aural recognition of 3 and 4-part harmonic structures. Prerequisite: Previous or concurrent enrollment in MU 119 and 120.

MU 133 Introduction to Music (3-0-3) Area A). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. Emphasis is upon the enjoyment of music through the understanding of recorded and live performances. Attendance at six live concerts/recitals required.

MU 147 Survey of Opera and Music Theatre (0-2-1) (F). An historical survey of the development and growth of opera and music theatre through chronology study of scores, recordings, sound filmstrips, and library resource materials from the beginning of the Baroque period to contemporary Modern Opera and Music Theatre compositions. Required of voice majors.

MU 213 Functional Piano (2-0-2) (F-S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transcription, harmonization, improvisation, and repertoire materials; piano music and 2-4-line scores will be used. May be repeated once for credit; Prerequisite: MU 120 and one year of piano study.

MU 219 Materials of Music III (3-0-3) (F). Continuation of 4-part textures. Diatonic sevenths; introduction to altered chords, augmented sixth and Neapolitan chords, canto fermo techniques; remote modulation; compositional skills involving the above. Prerequisite: MU 120 or equivalent and piano per MU 119.

MU 220 Materials of Music IV (3-0-3) (S). Includes introduction to invention and fugue techniques and sonata form; seventeenth and eighteenth centuries; common practice period; and architectural techniques. Compositional skills involving the above. Prerequisite: MU 219 or equivalent and piano per MU 119.

MU 221-222 Ear Training III (IV (0-2-1) (F-S). Continuation of ear training III: solfeggio, dictation of more advanced rhythms, 2, 3 and 4-part. Student expected to play at keyboard simpler forms of basic chords in 4-part harmony. Prerequisite: MU 121-122; MU 120; at least one year of piano study or concurrent enrollment in piano study.

MU 258 Vocal Techniques and Methods (1-2-2) (S). Designed for the music education major, this course deals with teaching skills to help develop the vocal potential of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Latin, Italian, and German.

MU 257 String Instrument Techniques and Methods (1-2-2) (F). Primarily for music education majors, this course deals with methods and materials of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello and string bass.

MU 281 Basic Conducting (0-2-1) (F-S). Fundamental techniques of conducting: baton fundamentals, group dynamics control, and simple conducting techniques. Prerequisite: MU 266 or equivalent.

MU 256 Woodwind Techniques and Methods (1-2-2) (F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

MU 271 Orientation to Music Education (1-1-1) (F). Allows at school music programs to include all levels; primary through secondary programs. Lab period devoted to violation in public schools.

UPPER DIVISION

MU 313-314 Keyboard Harmony and Basic Improvisation (2-0-2) (F-S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and cadences; modulation, transposition, accompanying similar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. Prerequisite: MU 120, 122 and 1-2 years piano study.

MU 341 History and Literature of Music I (3-0-3) (F-S). The analysis of the development of Western music from its beginnings in early Choralae to the period of the classical style in the 18th century. Emphasis is on the different manners of expression and the techniques that have developed to express those various forms of musical expression. Their relationship is understood through the study of music of contemporary societies, and as foundations for subsequent expression. MU 119 and 120 or PERM/INST.

MU 342 History and Literature of Music II (3-0-3) (F-S). Encompasses the period from the Florentine Camerae through the high Baroque, the Rococo, and pre-classical period. Emphasis is placed on the development of music through score reading, analysis, and discussion. Prerequisite: MU 119 and 120, or PERM/INST.

MU 343 History and Literature of Music III (3-0-3) (F-S). Works of Haydn, Mozart, and their contemporaries through the Romantic period to Liszt, Wagner, and Puccini. Students will be exposed to the style and work of these composers and the lives of specific composers in their own musical period. Prerequisite: MU 119 and 120 or PERM/INST.

MU 344 History and Literature of Music IV (3-0-3) (F-S). Analysis of styles and characteristics of Western music from the last decades of the previous century to today's avant garde and electronic music. Prerequisite: MU 119 and 120 or PERM/INST.

MU 345 Opera Theatre (0-5-1). A course in the study and production of operas. May be repeated for up to 6 credits. Prerequisite: PERM/INST.

MU 365 Choral Conducting (2-0-1) (F). 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. Prerequisite: MU 281.

MU 366 Instrumental Conducting (2-0-1) (S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and sight reading. Students will work with ensembles as laboratories for conducting experience. Prerequisite: MU 281.

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

MU 369 Brass Techniques and Methods (1-2-2) (S). Primarily for music education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with basic performing techniques on two or more of the brass instruments.

MU 370 Guitar for Classroom Teachers (2-0-2) (F-S). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is upon relevant guitar skills, elements of music, melody playing, proper hand position and notetaking. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.

MU 371 Music Methods for the Elementary School Teacher (2-0-2). Materials, methods and techniques relating to classical music in grades K through six. Prerequisite: Music Fundamentals MU 101 or equivalent.

MU 372 Teaching Music in the Elementary Classroom (2-1-2) (F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. Prerequisite: MU 271.

MU 385 Choral Methods and Materials (1-2-2) (S). Designed for music education majors who will be teaching vocal groups in junior or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups.

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

MU 386 Directed Ensemble (0-2-2) (F-S). Designed for students in the advanced ensemble. Emphasis on an in-depth study of a specific area. Prerequisite: MU 385 or equivalent.

MU 363 Keyboard Pedagogy I (2-0-2) (S). A course designed for the student preparing for graduate work in keyboard pedagogy. Prerequisite: Mu 220 or equivalent.

MU 463 Major Instrument Pedagogy (Plano, Voice, Guitar) I (2-0-2) (F-S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Satisfies 3 piano, voice or 2 guitar credits. Prerequisite: Upper Division standing in performance.

MU 464 Major Instrument Pedagogy (Plano, Voice, Guitar) II (2-0-2) (S). A survey and comparative study of pedagogical materials, principles and procedures. The course will consist of reading, lecture, listening and observation in teaching studios. Prerequisite: Upper Division standing in performance. Alternate years with MU 457.

MU 465 Major Instrument Pedagogy (Plano, Voice, Guitar) III (2-0-2) (S). More advanced study of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening, and discussion involving pedagogical techniques. Prerequisite: MU 463 Pedagogy I. Alternate years with MU 457.

MU 458 Music Seminar (2-0-2) (F-S). A seminar project under faculty direction. Prerequisite: Senior standing.
**DEPARTMENT OF PHYSICS ENGINEERING AND PHYSICAL SCIENCE**

Science-Bldg., Rm. 318
Science-Bldg., Rm. 212-L

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

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

**COMMON FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry C 131-132</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Calculus and Analytic Geometry M 204-205</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Engineering Fundamentals EN 107-108</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Digital Computer Programming EN 104</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Physics PH 220</td>
<td>1</td>
<td>3</td>
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<tr>
<td>Physics PH 220</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>17</td>
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</table>

**COMMON SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Physics II, III PH 221-222</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Wave Motion and Heat Lab PH 223</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Electricity and Magnetism Lab PH 224</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Humanistic-Social Elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Mechanics EN 205</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>*Systems and Circuits I, II EN 221, 223</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Calculus, and Analytic Geometry M 206</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>Advanced Engineering Math M 321</td>
<td>4</td>
<td>2-3</td>
</tr>
<tr>
<td>Branch Variation see below</td>
<td>17</td>
<td>17-18</td>
</tr>
</tbody>
</table>

**Electrical Engineering**

Mechanical Engineering

Dynamics of Rigid Bodies EN 206

Chemical Engineering

Organic Chemistry C 318

Principles of Economics EC 201

Electrical Engineering

Engineering Science Elective

**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.

**CONSTRUCTION MANAGEMENT**

Bachelor of Science Degree

The intent of this program is to provide training in Mathematics, Science and Engineering so the construction manager can relate intelligently to engineers and architects involved in building projects.

No more than 42 hours may be taken from School of Business courses.

1. Liberal Arts Option

   1. General University and BA Degree Requirements

      (See pages 29, 30)

      *Major Requirements*

      A. Construction Management

      B. Engineering, Physics and Math

      C. Business

      D. Electives

2. Major Requirements

   A. Construction Management

   B. Engineering, Physics and Math

   C. Business

   D. Electives

3. Business

   A. Construction Management

   B. Engineering, Physics and Math

   C. Business

   D. Electives

**E. State and Local Government PO 102**

**F. State and Local Government PO 102**

*Civil Engineers not required to take EN 233.

*During first semester, Chemical Engineers substitute C 317. Civil Engineers substitute EN 216.

**BRANCH VARIATIONS**

**Agricultural Engineering**

Dynamics of Rigid Bodies EN 206

**Civil Engineering**

Dynamics of Rigid Bodies EN 206

Engineering Measurements EN 216

Elective (see Advisor)

**Humanistic-Social Elective**

1

Satisfies Area II Requirement.

**Nine hours in Major Requirements (*) also satisfy the General Requirements bringing the total General Requirement hours to 30.**
SCHOOL OF ARTS & SCIENCES

Suggested Program

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
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</tr>
<tr>
<td>Algebra &amp; Trigonometry M 111</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Calculus &amp; Anal. Geometry M 204</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Technical Drawing EN 101</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>State &amp; Local Government PO 102</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Elective, Area I</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Digital Computer Programming EN 104</td>
<td>-</td>
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</tr>
<tr>
<td>Elective, Area II</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

| SOPHOMORE YEAR: | | |
|-----------------| | |
| Calculus & Anal. Geometry M 205 | 4 | - |
| Physics I - Mechanics PH 220 | 3 | - |
| Principles of Economics EC 201 | 3 | - |
| Intro to Financial Accounting AC 205 | 3 | - |
| Business Law I GB 202 | 3 | - |
| Intro to Mechanics EN 205 | - | 3 |
| Electives, Area I | - | 3 |
| Principles of Economics EC 202 | - | 3 |
| Intro to Managerial Accounting AC 206 | - | 3 |
| Stat. Tech. of Decision Making GB 207 | - | 3 |

| JUNIOR YEAR: | | |
|---------------| | |
| Basic Surveying EN 215 | 2 | - |
| Contracts, Plans, Specifications CO 346 | 3 | - |
| Cost Accounting AC 351 | 3 | - |
| Principles of Management MG 301 | 3 | - |
| Physics III - Electricity & Magnetism PH 222 | 3 | - |
| Electricity & Magnetism Lab PH 224 | 1 | - |
| Mech. of Materials EN 306 | 3 | - |
| Cost Est. & Bidding CO 370 | - | 3 |
| Principles of Finance FI 303 | - | 3 |
| Electives | - | 4 |
| Labor Law MG 330 | 3 | - |
| Electives, Area I | 3 | - |

| SENIOR YEAR: | | |
|---------------| | |
| Basic Marketing Management MK 301 | - | 3 |
| Construction Operation CO 374 | 3 | - |
| Construction Equipment & Materials CO 320 | 3 | - |
| Human Resource Management MG 401 | 3 | - |
| Labor Relations MG 340 | 3 | - |
| Electives | 4 | 3 |
| Project Sched. & Const. CO 417 | - | 3 |
| Elect. & Mech. Installation CO 350 | - | 3 |
| Business Policies GB 450 | - | 3 |
| | 16 | 15 |

Suggested Electives: Physical Geology GO 101; Engineering Geology GO 403; College Chemistry and Laboratory C 131-132.

PHYSICS (Bachelor of Science) (Secondary Option)

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

PHYSICS MAJOR

I. Liberal Arts Option
1. General University and BA Degree Requirements (see Pages 29, 30) | 30 |
| 2. Major Requirements | 88 |
| A. Physics | 46 |
| Physics I-II, PH 220,221,222 | 9 |

II. Secondary Option
1. General University Requirements | 30 |
| 2. Major Requirements | 78 |
| A. Physics | 38 |
| Physics I-II PH 220,221,222 | 9 |

PHYSICS Bachelor of Science Degree (Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
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</tr>
<tr>
<td>College Chemistry C131,132,133,134</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Calculus &amp; Anal. Geometry M 204,205</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Digital Computer Programming EN 104</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Physics PH 220</td>
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<td>3</td>
</tr>
<tr>
<td>Area I or II Requirements</td>
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<td>3</td>
</tr>
</tbody>
</table>

| SOPHOMORE YEAR: | | |
|-----------------| | |
| Physics I.II PH 221,222 | 3 | 3 |
| Wave Motion & Heat Lab PH 223 | 1 | - |
| Electricity & Magnetism Lab PH 224 | 1 | - |
| Systems & Circuits I.II EN 221,223 | 3 | 4 |
| Calculus & Anal. Geometry M 206 | 4 | - |
| Advanced Engineering Math M 321 | - | 4 |
| Applied Programming EN 225 | 2 | - |
| Area I or II Requirements | 3 | 3 |
| Area I or II Requirement | - | 3 |
| | 16 | 18 |

| JUNIOR YEAR: | | |
|---------------| | |
| Modern Physics PH 311,312 | 3 | 3 |
| Electronics Lab PH 301 | 3 | - |
| Transducers PH 304 | - | 2 |
| Lab Microprocessor Applications PH 307 | - | 3 |
| Thermodynamics EN 320 | 3 | - |
| Optics PH 331 | 4 | - |
| Numerical Analysis M 340 | 3 | 4 |
| Area I or II Requirements | - | 3 |
| Physics Seminar PH 499 | - | 3 |
| | 16 | 15 |

| SENIOR YEAR: | | |
|---------------| | |
| Electricity & Magnetism PH 381,382 | 3 | 3 |
| Mechanics PH 341 | 4 | - |
| Lab PH 481 | 3 | 3 |
| Advanced Topics PH 422 | - | 3 |
| Electives | 3 | 5 |
| Area I or II Requirement | 3 | 3 |
| Physics Seminar PH 499 | - | 3 |
| | 16 | 15 |

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

Physics Lab II, PH 223,224 ............................................ 2
Intro to Descriptive Astronomy PH 105 ......................................... 4
Biophysics PH 207 .................................................. 4
Modern Physics PH 311-312 ........................................... 6
Optics PH 331 .................................................... 4
Electronics Lab PH 301 .................................................. 3
Senior Lab PH 481 .................................................. 3
Independent Study on Modern Ideas on Learning ........................................ 3
B. Engineering
Computer Programming EN 104 ........................................ 5
Thermodynamics EN 320 .................................................. 3
C. Math
Calculus Sequence M 204,205,206 ..................................... 13
Engineering Math M 321 ................................................. 4
D. Chemistry C 131,132,133,134 ..................................... 9
E. Required and Selected Electives ........................................ 9
3. Education Requirements
Foundations of Education Educational Psychology
Secondary School Methods Education Electives
Secondary School Teaching

COURSE OFFERINGS

CO CONSTRUCTION MANAGEMENT

UPPER DIVISION
CO 320 Construction Equipment and Materials (3-0-3) (F). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Survey of conventional construction (building) materials and components. Emphasis is placed upon material descriptions, usages, and incorporations into structures.
CO 380 Electrical and Mechanical Installations (3-0-3) (S). Fundamentals of electrical systems, light and power requirements, plumbing and sanitation, heating and air-conditioning, application of building codes.
CO 376 Cost Estimating and Bidding (3-0-3) (S). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids. Prerequisite: CO 346.
CO 374 Construction Operation (3-0-3) (F). Contractor organization and project supervision, building materials, equipment, methods of construction, construction safety. Prerequisite: GB 207 and MB 316.
CO 417 Project Scheduling and Control (3-0-3) (S). Critical path method (CPM) as a construction planning, scheduling and management technique. Prerequisite: EN 104 and CO 374.

EN ENGINEERING

LOWER DIVISION
EN 100 Energy for Society (3-2-4) (F) (AREA III). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy requirements, governmental, and political problems. Alternative as well as conventional energy solutions will be studied.
EN 101 Technical Drawing (2-2-2). A basic course in technical drawing covering lettering, the use of drawing instruments, geometry, orthographic projections, sectioning, dimensioning, pictorial drawing and other drafting problems.
EN 104 (M 124) Digital Computer Programming (2-0-2). Course for engineering, science, or math majors to introduce FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and subprograms, all applied to problem solving. Should have Mathematics background equal to or exceeding one of prerequisites. Prerequisite: M 108,111,115
EN 107 Engineering Fundamentals (3-0-3) (FS). An introduction to engineering including subdivisions and organization of the profession, methods of analysis and computation, and the design process. Prerequisite: M 111 or equivalent math ability.
EN 108 Engineering Fundamentals (1-3-2) (FS). Engineering graphical analysis and graphic transmission of information.
EN 205 Introduction to Mechanics (3-0-3). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including free body analysis, mass, acceleration, work, and energy, impulse and momentum. Prerequisite: PH 220; corequisite: M 205.
EN 208 Dynamics of Rigid Bodies (2-0-2) (S). Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. Prerequisite: EN 205.
EN 215 Basic Surveying (1-3-2) (F). A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. Prerequisite: M 111 or equivalent.
EN 216 Engineering Measurements (1-3-2) (S). Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurement. Prerequisite: EN 215.

EN 211 Systems and Circuits (3-3-3) (F). The fundamental course in electrical engineering principles introduces an introduction to electrical circuits and basic network analysis. Topics covered are simple resistive, capacitive and inductive circuits, network theorems and circuit analysis methods. Prerequisite: M 204.
EN 223 Systems and Circuits II (3-3-3) (S). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis. Transform methods of circuit analysis are introduced. Prerequisite: EN 221.
EN 225 (M 225) Intermediate Applied Programming (2-0-2) (F). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on languages and programming topics useful in the solution of science and engineering problems. Concentrates on FORTRAN, but will use other programming languages. Prerequisite: EN 104 (M 124). Credit cannot be obtained from both EN 225 and M 225.

UPPER DIVISION
EN 301 Fluid Mechanics (3-0-3) (S). Physical properties of fluids: fluid mechanics and measurements; viscous and turbulent flows, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Prerequisite: M 206 and EN 205.
EN 320 Thermodynamics and Heat Transfer (3-0-3) (F). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids, flow processes; heat and work conversion; refrigeration, conduction and radiation. Prerequisite: M 206 and PH 221.
EN 382 Engineering Economy (2-0-2) (S). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. Prerequisite: Junior standing.

PS PHYSICAL SCIENCE

LOWER DIVISION
PS 100 Foundations of Physical Science (3-2-4) (F/S) (AREA III). Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-Science majors.

GRADUATE
PS 551 Basic Physical Science for Elementary Teachers (3-0-3). An introduction to the basic ideas of Physical Science including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Elementary concepts will be discussed and demonstrated with emphasis on methods that can be used with elementary school students. Offered when there is sufficient demand.

COURSE OFFERINGS

PH PHYSICS

LOWER DIVISION
PH 100 A Cultural Approach to Physics (3-2-4). Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics and how these ideas have contributed to the development of western culture by their influence on philosophy, religion, and technology.
PH 101-102 General Physics (3-0-4) (F-S) (AREA III). Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by pre-enrolled and pre-medical students concurrently with PH 101.
PH 103 Radiological Physics (2-0-2) (F). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included.
PH 104 Radiological Physics (2-2-3) (S). An introduction to electrical, atomic and nuclear physics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereoradiography, body section radiography, therapeutic radiology and nuclear medicine. Prerequisite: PH 103.
PH 165 Introduction to Descriptive Astronomy (2-3-4) (F/S) (AREA III). A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-Science majors.
PH 169 (M 109) Introduction to Computers (3-2-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.
PH 207 Introduction to Biophysics (3-3-4) (S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and thermodynamics, and a variety of instruments normally found in biological laboratories are used in lab to study biological systems. Prerequisite: M 111 or M 115.
PH 210 Physics 1 — Mechanics (3-1-3) (F/S) (AREA III). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. Prerequisite: M 111. Must be concurrently taken or have taken M 205.
PH 221 Physics 2 — Wave Motion and Heat (3-1-3) (F/S) (AREA III). Wave motion on strings, acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the First and Second Laws of Thermodynamics. Prerequisite: PH 210. Must be taken concurrently with PH 223.
PH 232 Physics 3 — Electricity and Magnetism (3-1-3) (F) (AREA III). Coulomb's Law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. Prerequisite: PH 220. Must be taken concurrently with PH 224.
The Department of Political Science seeks also to provide in-depth study of public administration so that students may be prepared for careers in government service, teaching, and law. It also offers electives in support of major programs in other disciplines.

In addition to the several optional major programs in Political Science, the University offerings in public administration are also offered through the Department of Political Science.

A Master of Public Administration Degree program is also offered through the Department of Political Science.

POLITICAL SCIENCE MAJOR
Bachelor of Arts Degree

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

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

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

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

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

II. Political Science — American Governmental Systems and Processes Emphasis

III. Political Science — International Relations Emphasis

IV. Political Science — Public Administration Emphasis

The program of the Department of Political Science is designed to provide the student with a knowledge of the 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 government 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.

The program of the Department of Political Science is designed to provide the student with a knowledge of the 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 government 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 University offerings in the classical discipline of Philosophy are provided through the Department of Political Science.

A Master of Public Administration Degree program is also offered through the Department of Political Science.

POLITICAL SCIENCE MAJOR
Bachelor of Arts Degree

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

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

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

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

*The Seminar is not applicable to public administration area of emphasis, but is strongly recommended. At least 3 credits in Western Political Theory PO 441, 442, 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

II. Political Science — American Governmental Systems and Processes Emphasis

III. Political Science — International Relations Emphasis

IV. Political Science — Public Administration Emphasis

The program of the Department of Political Science is designed to provide the student with a knowledge of the 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 government 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
### SCHOOL OF ARTS & SCIENCES

#### IV. Political Science ~ Public Administration Emphasis

**B. Political Science Major Requirements**

<table>
<thead>
<tr>
<th>Lower Division Courses</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
</tr>
<tr>
<td>State and Local Government PO 102</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Political Ideologies PO 141</td>
<td>3</td>
</tr>
<tr>
<td>Public Opinion &amp; Voting Behavior PO 221</td>
<td>3</td>
</tr>
<tr>
<td>Comparative European Governments and Politics PO 225</td>
<td>3</td>
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<tr>
<td>International Relations PO 231</td>
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<table>
<thead>
<tr>
<th>Upper Division Courses</th>
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<tbody>
<tr>
<td>American Parties and Interest Groups PO 301</td>
<td>3</td>
</tr>
<tr>
<td>Legislative Behavior PO 303</td>
<td>3</td>
</tr>
<tr>
<td>American Political Theory PO 331</td>
<td>3</td>
</tr>
<tr>
<td>Constitutional Law PO 351</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar (Scope and Method of Political Science) PO 498</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

#### 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 University and Core Requirements**

**B. Political Science Major Requirements**

<table>
<thead>
<tr>
<th>Lower Division Courses</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
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<td>Contemporary Political Ideologies PO 141</td>
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<tr>
<td>Comparative European Governments and Politics PO 229</td>
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<tr>
<td>International Relations PO 231</td>
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<table>
<thead>
<tr>
<th>Upper Division Courses</th>
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<tbody>
<tr>
<td>Comparative Foreign Policy PO 311</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Communist Party State Systems PO 324</td>
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</tr>
<tr>
<td>Comparative Governments and Politics of the Developing Nations PO 333</td>
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</tr>
<tr>
<td>United States Foreign Policy PO 335</td>
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</tr>
<tr>
<td>International Law PO 421</td>
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</tr>
<tr>
<td>International Organization PO 422</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Legal Systems PO 451</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar (Scope and Methods of Political Science) PO 498</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

#### 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, and Public Administration and Communication. Appropriate course selections for all students opting for the Public Administration area of emphasis should include electives in Computer Science, Psychology, Sociology, History, Economics, and Communication.

**A. General University and Core Requirements**

**B. Political Science Major Requirements**

<table>
<thead>
<tr>
<th>Lower Division Courses</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
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<td>State and Local Government PO 102</td>
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<tr>
<td>Contemporary Political Ideologies PO 141</td>
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</tr>
<tr>
<td>Comparative European Governments and Politics PO 229</td>
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<tr>
<td>International Relations PO 231</td>
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<table>
<thead>
<tr>
<th>Upper Division Courses</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Public Administration PO 303</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 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 2 additional fields of study or teaching minors of 15 credits, each chosen from other Social Science fields. Also, SS 450, Teaching Social Studies in the Secondary School, is required for all students with Social Science Secondary Education Option; certification requirement of 6 hours of U.S. History is applicable.

### 30 Credit Hour Program — 24 Credit Hours Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
</tr>
<tr>
<td>State and Local Government PO 102</td>
</tr>
<tr>
<td>Contemporary Political Ideologies PO 141</td>
</tr>
<tr>
<td>International Relations PO 231</td>
</tr>
<tr>
<td>Comparative European Government and Politics PO 229</td>
</tr>
<tr>
<td>Parties, Electoral Process and Interest Groups PO 301 or Introduction to Public Administration PO 303 or Legislative Behavior PO 312 or American Policy Process PO 320</td>
</tr>
<tr>
<td>American Political Theory PO 331 or Western Political Theory I PO 441 or Western Political Theory II PO 442</td>
</tr>
<tr>
<td>Constitutional Law PO 351</td>
</tr>
</tbody>
</table>

### 15 Credit Hour Emphasis — 12 Credit Hours Required Courses:

<table>
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<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
</tr>
<tr>
<td>Contemporary Political Ideologies PO 141</td>
</tr>
<tr>
<td>Comparative European Government and Politics PO 229 or International Relations</td>
</tr>
<tr>
<td>Parties, Electoral Process and Interest Groups PO 301 or Introduction to Public Administration PO 303 or American Policy Process PO 320 or Constitutional Law PO 351</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>American National Government PO 101</td>
</tr>
<tr>
<td>Contemporary Political Ideologies PO 141</td>
</tr>
<tr>
<td>Comparative European Government and Politics PO 229</td>
</tr>
<tr>
<td>International Relations PO 231</td>
</tr>
</tbody>
</table>

### COURSE OFFERINGS

**PO POLITICAL SCIENCE**

#### LOWER DIVISION

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 101 American National Government (3-3-3) (F/S) (Area II), Institutions and processes of American political system, emphasizing social, ideological, and constitutional background.</td>
</tr>
<tr>
<td>PO 102 Local Government (3-3-3) (F/S), Institutions and processes of state and local government, with emphasis on constitutionalism, legislatures, governors and reapportionment.</td>
</tr>
</tbody>
</table>
be assigned special requirements on preparation. Prerequisite: PO 101, 102, 303.

PO 487G Organizational Theory and Bureaucratic Structures (3-0-3) (F/S). Socio-political analysis of theories and concepts of complex social organizations; their application to public administration and the interrelationship between political science and sociological/organizational theory. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation.

PO 493 Internship (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for funding through the Office of Career Development.

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

COURSE OFFERINGS

PY PHILOSOPHY

PO 141 Contemporary Political Ideologies (3-0-3) (F/S). Area II). Principal ideas characterizing liberalism, communism, fascism, and nazism.

PO 221 Public Opinion and Voting Behavior (3-0-3) (S). Development of public opinion and voting behavior. Empirical research from a variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. Prerequisite: PO 101 or 102.

PO 229 Comparative European Governments and Politics (3-0-3) (F/S). Political systems of selected European nation-states, including Great Britain, France, German Federal Republic, and Scandinavian states. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. Prerequisite: PO 101 or PERM/INST.

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

UPPER DIVISION

PO 201 Parties, Electoral Process, and Interest Groups (3-0-3) (F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. Prerequisite: PO 101 or 102.

PO 266 Introduction to Public Administration (3-0-3) (F/S). Theory, administrative organization, functions and problems of governmental units. Prerequisite: PO 101. Alternate years.

PO 310 Public Finance (3-0-3) (S). Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy-making. (Interdepartmental course with department of economics) Prerequisite: EC 250, 252.

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

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

PO 320 American Policy Process (3-0-3) (F/S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administrators. Prerequisite: PO 266. Alternate years.

PO 324 Comparative Communist Party-State Systems (3-0-3) (F). Political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other communist party-state systems. Selected problems relating to political institutions and political processes to determine patterns of political relationships. Questions of political theory and political determinants in development of communist party-state systems. Prerequisite: PO 101. Alternate years.

PO 331 American Political Theory (3-0-3) (F). Genesis and development of political thought in the United States from colonial period to present.

PO 333 Comparative Governments and Politics of Developing Nations (3-0-3) (F/S). Political systems of selected nations in developing areas of the world, including nations-states in Latin America, Asia, Africa, and Latin America. Patterns and problems of political development and modernization in these nations will be analyzed. Prerequisite: PO 101. Alternate years.

PO 335 United States Foreign Policy (3-0-3) (F/S). Development of diplomacy from the old regime leading to revolutions. May be taken for History credit or for Philosophy credit, but not for both. Prerequisite: PO 101. Alternate years.

PO 345 Comparative Politics (3-0-3) (F/S). Area I). The study of political systems and processes of selected states and regions of the world, with emphasis on the conceptual, theoretical, and methodological issues of comparative politics. Prerequisite: PO 101. Alternate years.

PO 346 Comparative Governmental Systems (3-0-3) (F/S). Area I). An introduction to the study of political science in the United States and abroad, with emphasis on the role of politics in the political systems of other nations. Prerequisite: PO 101. Alternate years.

PO 351 Constitutional Law (3-0-3) (S). Case study of constitutional system and its concepts as revealed in judicial decisions. Prerequisite: PO 101.

PO 421 International Law (3-0-3) (F). Law of peace; international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international agreements. Prerequisite: PO 101, 231. Alternate years.

PO 422 International Organization (3-0-3) (F/S). Historical background of international organizations, basic problems of international entities; the United Nations. Prerequisite: PO 101, 231. Alternate years.

PO 441 Part I Western Political Theory (3-0-3) (F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PO 442 Part II Western Political Theory (3-0-3) (S). Development of political thought since Machiavelli. Prerequisite: PO 441. Alternate years.

PO 451 Comparative Legal Systems (3-0-3) (S). Principal legal systems of the world, with emphasis on constitutional foundations, organization, procedures, methods of growth, relationships to political and economic systems, and basic juristic concepts. Prerequisite: PO 101, 141, 229. Alternate years.

PO 455 Comparative Public Administration (3-0-3) (F/S). Systematic examination and comparison of varied models and theories of administrative systems. International and international studies. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. Prerequisite: PO 303.

PO 467 Administrative Law (3-0-3) (F/S). Sources of power and duties of administrative agencies, rights and remedies of individuals in relation to administrative agencies. Prerequisite: PO 303 or 304. Alternate years.

PO 469 Intergovernmental Relations (3-0-3) (F/S). Interunit cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation.

PO 471 American Policy Process (3-0-3) (F/S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system.

PO 472 Legislative Behavior (3-0-3) (S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system.

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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, race relations, and the many other concerns that become especially acute both 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.

**SOCIAL WORK MAJOR**

**Bachelor of Arts Degree**

I. **General University and Major Requirements**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101,102</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Concepts of Biology B 100</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science and/or Math.</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Sociology SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Social Problems SO 102</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>State and Local Government PO 102</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Social Work SW 101</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Social Work Processes SW 201</td>
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II. **A. Lower Division Courses**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition E 101,102</td>
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<tr>
<td>Literature</td>
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<td>Humanities</td>
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<td>History</td>
<td>6</td>
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<tr>
<td>Concepts of Biology B 100</td>
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<tr>
<td>Lab Science and/or Math.</td>
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<tr>
<td>Communication</td>
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III. **B. Upper Division Courses**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Social Welfare Policy SW 301</td>
<td>3</td>
</tr>
<tr>
<td>Human Behavior in the Social Environment SW 321</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Statistics and Research Methods SW 380</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Methods - Casework SW 385</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Methods - Community Organization SW 430</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Methods - Groupwork SW 435</td>
<td>3</td>
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<tr>
<td>Field Work SW 480,481</td>
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<td>General Electives</td>
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<tr>
<td>Senior Seminar SW 498,499</td>
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IV. **C. General Electives**

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<th>Course Description</th>
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<td>Recommended Electives: AN 102, 307, CM 351,351, EC 210, P 301, 311, 312, 341, 351, 353, 301, 312, 320, PY 101, 121, 211, 231, S 101, 102, SO 311, 325, 351, 361, 402, 415, 417</td>
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**Bachelor of Arts Degree (Suggested Program)**

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<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>History</td>
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<tr>
<td>Electives</td>
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**JUNIOR YEAR:**

<table>
<thead>
<tr>
<th>Course Description</th>
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<tbody>
<tr>
<td>Social Work Statistics and Research Methods SW 380</td>
<td>3</td>
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<tr>
<td>Social Welfare Policy SW 301</td>
<td></td>
</tr>
<tr>
<td>Human Behavior in The Social Environment SW 321</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Methods-Casework SW 385</td>
<td>3</td>
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<td>Psychology Electives</td>
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<td>Upper Division Electives</td>
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<tr>
<td>Lower or Upper Division Electives</td>
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**SENIOR YEAR:**

<table>
<thead>
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<th>Course Description</th>
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<tbody>
<tr>
<td>Field Work SW 480,481</td>
<td>5</td>
</tr>
<tr>
<td>Senior Seminar SW 498,499</td>
<td>1</td>
</tr>
<tr>
<td>Social Work Methods-Groupwork SW 435</td>
<td>3</td>
</tr>
<tr>
<td>Social Work Methods-Community Organization SW 430</td>
<td>3</td>
</tr>
<tr>
<td>Lower or Upper Division Electives</td>
<td>11</td>
</tr>
</tbody>
</table>

**SW SOCIAL WORK**

**LOWER DIVISION**

SW 101 Introduction to Social Work (3-0-3). Survey of the historical development and contemporary practice of social work; values, knowledge base, skills, the underlying philosophy and the need for social services in society. Social work functions and career opportunities are delineated. Required.

SW 201 Elementary Social Work Processes (3-0-3). Communication skills, interviewing techniques, and problem solving processes specific to practice. Community social services are reviewed and three clock hours of service per week required in agency to facilitate the integration of values, knowledge and skills. Prerequisite: SW 101.

SW 301 Social Welfare Policy (3-0-3). Social welfare as an institution and social work as a profession as mechanisms to deal with the problems of social change and the effects of life in a modern industrial society. How social and individual needs have been dealt with in past and present, the ideological base for understanding the interface between policies and social welfare. Prerequisite: SW 201.

SW 321 Human Behavior in the Social Environment (3-0-3). Human systems framework, age-related stages of development with special attention to life crises related to each stage, identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminist, racial, ethnic and alternate life styles. Prerequisite: SW 201, SO 101 and P 101.

SW 380 Social Work Statistics and Research Methods (3-0-3) (S). An introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. Prerequisite: SW 301, 321.

SW 385 Social Work Methods — Casework (3-0-3). An examination of skills employed to serve individuals and families; communication skills, problem solving process and case recording. Prerequisite: SW 301, 321.


SW 435 Social Work Methods — Groupwork (3-0-3). Dynamics of group behavior, understanding group interaction and the processes of working with groups. Prerequisite: SW 301, 321.

SW 480 Field Work I (3-15-5). Sixteen clock hours per week, the student works as a practicing social worker under the supervision of a professionally trained and experienced social worker. All juniors must apply for admission into the field work program prior to the beginning of their second semester. Prerequisite: SW 301, 321, 380, may take SW 385 prior to or concurrent with SW 480; must have PERMIINST, contingent upon GPA 2.5 overall and 3.0 in Social Work courses.

SW 481 Field Work II (0-16-5). Continuation of Field Work I. Prerequisite: SW 385, 480 and PERMIINST.

SW 498 Senior Level Seminar (1-0-1). Continuation of SW 488. Must be taken concurrently with SW 480.

SW 500 Senior Level Seminar (1-0-1). Continuation of SW 488. Must be taken concurrently with SW 488.

**COURSE OFFERINGS**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>English Composition E 101,102</td>
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<tr>
<td>Concepts of Biology B 100</td>
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<td>Science/Mathematics</td>
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<td>History</td>
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<tr>
<td>State and Local Government PO 102</td>
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<tr>
<td>Introduction to Sociology SO 101</td>
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<tr>
<td>Introduction to Social Work SW 101</td>
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<tr>
<td>General Psychology P 101</td>
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<tr>
<td>Communication</td>
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**SOPHOMMORE YEAR:**

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<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Science/Math</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Social Problems SO 102</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Social Work Processes SW 201</td>
<td>3</td>
</tr>
</tbody>
</table>
II. Anthropology—Social Science Secondary Education Option

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

A. Anthropology Courses .......................................................... 33

Required courses are the same as for the major except SO 310 is not required

B. Secondary Education Requirements .......................... 25-30

Refer to Teacher Education Department

C. State Department of Education Certification

Requirements, Social Studies ................................................. 9

U.S. History ............................................................. 6

Federal Government ........................................................... 3

D. In addition to the above required "C" at least 15 credits of which 9 credits must be Upper Division courses offered by any 2 of the following academic disciplines:

- Economics
- History
- Political Science
- Sociology

III. Anthropology Minor Option

1. Liberal Arts Minor

Completion of the following courses .................. 21

- Physical Anthropology AN 101 .......................... 3
- Cultural Anthropology AN 102 .......................... 3
- Intro to Archaeology AN 103 .......................... 3
- Peoples & Culture of the World AN 311 .......................... 3
- Upper Division Anthropology Electives ................. 9

2. Anthropology Education Minor Option ............. 15

Required Courses:

- Physical Anthropology AN 101 .......................... 3
- Cultural Anthropology AN 102 .......................... 3
- Upper Division Anthropology Electives ................. 9

Intro to Archaeology AN 103 is strongly recommend-

CRIMINAL JUSTICE ADMINISTRATION

Bachelor of Arts Degree

Bachelor of Science Degree

The Bachelor of Arts/Science degree in Criminal Justice Administration offers a choice of four professional areas of emphasis: Law Enforcement, Courts/Law, Corrections/Counseling and Planning/Administration.

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

CORE COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Humanities (Area I)</td>
<td>9</td>
</tr>
<tr>
<td>Science or Mathematics (Area III)</td>
<td>12</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Introduction of Financial Accounting (AC 205)</td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications (OA 238)</td>
<td>3*</td>
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<tr>
<td>or Writing Laboratory</td>
<td>0*</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>American National Government (PO 101)</td>
<td>3</td>
</tr>
<tr>
<td>State/Local Government (PO 102)</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech Communication (CM 111)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology (SO 101)</td>
<td>3</td>
</tr>
<tr>
<td>Social Justice (CR 101)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Criminal Justice Administration</td>
<td>3</td>
</tr>
<tr>
<td>Police in the Community (CR 215)</td>
<td>3</td>
</tr>
<tr>
<td>Administration of Justice (CR 301)</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Law (CR 321)</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Correctional Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Criminal Justice (CR 362)</td>
<td>3</td>
</tr>
<tr>
<td>Abnormal Psychology (P 301)</td>
<td>3</td>
</tr>
</tbody>
</table>
SCHOOL OF ARTS & SCIENCES

Juvenile Delinquency SO 415 3
Criminology SO 417 3
Independent Study in Criminal Justice CR 496 3

*May be waived upon demonstration of competency. Contact Prof. Hopfenbeck

SPECIALTY AREA COURSES:

I. Law Enforcement
Defensive Tactics PE 192 1**
Law of Criminal Evidence CR 275 3
Law of Arrest, Search & Seizure CR 276 3
Police Organization and Management CR 351 3
Introduction to Criminalistics CR 380 3
Criminal Justice Planning CR 425 3
Comparative Law Enforcement Administration CR 451 3
Field Practicum - Enforcement CR 490 6
Electives to total 128 16-19

**Must be completed prior to the senior year.

II. Courts/Law
Law of Criminal Evidence CR 275 3
Law of Arrest, Search & Seizure CR 276 3
Judicial Administration and Court Management CR 381 3
Criminal Justice Planning CR 425 3
Comparative Law Enforcement Administration CR 451 3
Constitutional Law PO 351 3
Field Practicum - Courts/Law CR 490 6
Electives to total 128 17-20

III. Corrections/Counseling
Corrections in the Community CR 331 3
Interviewing and Counseling in Criminal Justice CR 340 4
Advanced Interviewing and Counseling in Criminal Justice CR 341 4
Criminal Justice Research & Evaluation CR 426 3
Field Practicum - Corrections/ Counseling CR 490 6
Criminal Justice Elective CR 496 3
Electives to total 128 18-21

IV. Planning/Administration
Judicial Administration & Court Management CR 381 3
Criminal Justice Planning CR 425 3
Criminal Justice Research & Evaluation CR 426 3
Comparative Law Enforcement Administration CR 451 3
Criminal Justice Electives CR 490 6
Field Practicum - Planning/ Administration CR 490 6
Electives to total 128 17-20

Associate of Science Degree (Two-Year) (Suggested Program)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3 3</td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td>4 4</td>
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<tr>
<td>Social Justice CR 101</td>
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<td>American National Government PO 102</td>
<td>3</td>
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<td>Introduction to Sociology SO 101</td>
<td>3</td>
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<td>Fundamentals of Speech Communications CM 111</td>
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<tr>
<td>State and Local Government PO 101</td>
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</tr>
<tr>
<td>Intro to Criminal Justice Administration CR 201</td>
<td>3 1</td>
</tr>
<tr>
<td>Defensive Tactics PE 192</td>
<td>16 17</td>
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</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Intro to Financial Accounting AC 205</td>
<td>3</td>
</tr>
<tr>
<td>Police in the Community CR 215</td>
<td>3</td>
</tr>
<tr>
<td>Law of Criminal Evidence CR 275</td>
<td>3</td>
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<tr>
<td>Humanities</td>
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<tr>
<td>History</td>
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<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>Law of Arrest, Search &amp; Seizure CR 276</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Investigation CR 231</td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications OA 238</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
</tr>
</tbody>
</table>

**May be waived upon showing of competency by written test. See Professor Hopfenbeck.

SOCIAL SCIENCE
Bachelor of Arts Degree

1. General University and Basic Core Requirements:
2. Social Science Requirements:
   A. Lower Division Courses
   B. Upper Division Courses (select from the following combinations—12 credits in one field and 6 credits in 2 other fields)
   C. Social Science Electives

SOCIOLOGY

1. General University and Core requirements to meet either Bachelor of Arts or Bachelor of Science Program as given on pages 29, 30. BA 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:
   Introduction to Sociology SO 101
   Elementary Social Statistics SO 310
   Social Research SO 311
   History of Sociology SO 401
   Current Sociological Perspectives SO 402
   Sociology Seminar SO 488

*The following courses are strongly recommended: HY 102,103. History of Western Civilization; Mathematics, 8 hours; P 101, Introduction to Psychology.
**ANTHROPOLOGY**

**Social Science Curriculum Minor**

Required Courses AN 101, 102, 311 .................................................. 9

Anthropology Electives, Upper Division .......................................... 6

**SOCIOLoGY**

**Social Science Curriculum Minor**

Required Course SO 101 ....................................................................... 3

Sociology Electives — Half must be Upper Division . . . . . . . . . . . . . . . .12

Minor certification endorsements for teaching areas are listed in this Catalog on page 105 of the Department of Teacher Education Section within the School of Education Division.

**MULtI-ETHNIC STUDIES**

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

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

**BACHELOR OF ARTS DEGREE**

1. General University Requirements .................................................. 51

2. Ethnic Studies Requirements:
   A. Lower Division Courses ......................................................... 15
      - Introduction to Multi-Ethnic Studies SO 230 ....................... 3
      - Cultural Anthropology AN 102 ............................................ 3
      - Ethnic Literature Courses .................................................. 6
      - Minorities in U.S. History HY 261 ....................................... 3
      - Upper Division Courses ...................................................... 3
      - Racial and Cultural Minorities SO 305 ................................. 3
   B. Ethnic Courses Electives ....................................................... 30
      (List of approved Course Offerings available from Program Supervisors)

3. General Electives ........................................................................... 29

Multi-Ethnic Studies Minor

A. Requirements ............................................................................... 9
   - Intro to Multi-Ethnic Studies SO 230 ....................................... 3
   - Minorities in U.S. History HY 261 .......................................... 3
   - Ethnic Literature Courses ...................................................... 3
   - Ethnic Courses Electives ....................................................... 12
      - List of approved Course Offerings available from Program Supervisors) ................................................................. 21

**COURSE OFFERINGS**

AN 311 Peoples and Cultures of the World (3-0-3) (F/S). 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 102, Upper Division status or PERM/INST.

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

AN 315 Indian Peoples of Idaho (3-0-3) (F/S). A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings, and the relationship between past and present Indian societies to those of the Great Basin, Interior Plateau and Northern Plains. Prerequisite: Upper Division status or PERM/INST.

AN 318 Archaeology of Latin America (3-0-3) (F/S). An investigation of the early inhabitants of Middle and South America with emphasis on cultural origins, migrations, and relationship to the habitat. Also considered will be the development of ancient civilizations of Mexico, Central America and the Andean Region of South America. Prerequisite: Upper Division status or PERM/INST.

AN 325 Human Variation (3-0-3) (F/S). An examination of the recent phases of human evolution with emphasis upon present patterns of variability. Evidence will be drawn from population genetics, behavioral genetics, biochemical analysis and comparative osteology. Prerequisite: AN 103, Upper Division status or PERM/INST.

AN 401 History of Anthropology (3-0-3) (F/S). An historical investigation of scientific events leading to the development of the basic concepts, theory and methods of contemporary Anthropology. Major anthropological contributions by A. L. Kroeber, Margaret Mead, Franz Boas, Julian Steward, B. Malinowski, and others will be used as reference points for presented materials and classroom discussions. Prerequisite: AN 102, Upper Division status or PERM/INST.

AN 403 Anthropology of Education (3-0-3) (F/S). An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. Prerequisite: AN 102, Upper Division status or PERM/INST.

AN 421 Theory and Method in Archaeology (3-0-3) (S). A survey of the philosophical and theoretical foundations of archaeology. Includes the developments in methodology and technical advances as applied to archaeological research. Prerequisite: AN 193, Upper Division status or PERM/INST.

AN 430 Applied Anthropology (3-0-3) (F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary societies and institutions. Prerequisite: AN 102, Upper Division status or PERM/INST.

**SCHOOL OF ARTS & SCIENCES**

CR 101 Social Justice (3 credits) (S). Study of basic issues of law as a means of social control including social justice systems such as poverty, racism, sexism, alienation. Provides foundation for examining relevant critical issues in American society.

CR 201 Introduction to Criminal Justice Administration (3-0-3) (F). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

CR 215 Police in the Community (3-0-3) (F). A study of police behavior in urban and rural areas with an emphasis on the police response to community change, attitudes, special interest groups, and minority relations. Prerequisite: CR 201.

CR 275 Law of Criminal Evidence (3-0-3) (F). Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. Prerequisite: CR 201.

CR 276 Law of Arrest; Search and Seizure (3-0-3) (S). A highly concentrated study of the legalities and decision making processes associated with arrest, search and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. Prerequisite: CR 201.

CR 280 Administration of Justice (3-0-3) (F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply and affect constitutional due process. Prerequisite: CR 201.

CR 281 Criminal Law (3-0-3) (S). Elements and application of federal and state criminal statutes. The effect of differential enforcement on the tolerance levels of society. Prerequisite: CR 201.

CR 331 Corrections in the Community (3-0-3) (S). Development, organization, operation and results of post-conviction release programs. Traditional court and institutionally supervised probation and parole, work release, halfway houses, diversion, forgiveness concept and various community/social agency rehabilitative programs of both traditional and innovative nature. Prerequisite: CR 201 or SO 101.

CR 240 Interviewing and Counseling in Criminal Justice (3-2-4) (F). Theory and skills involved in the interview and counseling process for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. Prerequisite: upper division CJA standing.
CR 340 Sociology of the Family (3-0-3) (F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Prerequisites and facts of the relationships of these patterns to the larger society. Prerequisite: SO 101.

CR 351 Social Institutions (3-0-3) (F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. Prerequisite: SO 101 and Upper Division standing. Alternate years, 1981, 1982.

CR 361 Industrial Sociology (3-0-3) (F/S). The social organization of work is examined in historical and contemporary perspectives. Prerequisite: SO 101, Upper Division standing.

CR 362 Contemporary Correctional Theory and Practice (3-0-3) (F). Historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state, and federal correctional institutions. Prerequisite: upper division CJA standing.

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

CR 381 Judicial Administration and Court Management (3-0-3) (S) (Even years). Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. Prerequisite: CR 301, upper division CJA standing.

CR 425 Criminal Justice Planning (3-0-3) (F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program evaluation. Use of planning and analytical tools to review current issues in the system. Prerequisite: Upper Division CJA standing.

CR 426 Criminal Justice Research and Evaluation (3-0-3). Basic aims, processes, and limitations of research in criminal justice. Introduction of social research methods and techniques for evaluating action programs in the criminal justice field. Prerequisite: CR 425, upper division CJA standing, or instructor permission.

CR 451 Comparative Law Enforcement Administration (3-0-3) (S). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. Prerequisite: CR 201. Non-majors: PERM/INST. Alternate years with CR 380.

CR 499 Field Practicum (V-V-V). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/BS students without one year of full time criminal justice experience. Summer of junior year: fall/spring by special permission.

CR 498 Senior Seminar in Contemporary Criminal Justice Problems (3-0-3) (S). Exploration of current and anticipated critical issues and problems in the criminal justice system. Prerequisite: CR 201, senior CJA standing or instructor permission.

SO 101 Introduction to Sociology (3-0-3) (Area I). Groups, organizations and societies. The impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

SO 102 Social Problems (3-0-3) (Area II). Problems that arise due to breakdown of norms and values and conflict in society, the causes of these problems and solutions to these problems. The student is challenged to continually reexamine his/her own values in reference to the problems under consideration.

SO 220 Introduction to Multi-Ethnic Studies (3-0-3) (F/S) (Area II). This course views the interaction of society's institutional role in maintaining and perpetuating systematic inequality. Prerequisite: SO 101, or P 101 and Upper Division standing.

SO 250 Population (3-0-3) (F/S). How composition of and changes in population affect, and are influenced by, social conditions and human actions. Population problems and policies. Prerequisite: SO 101. Alternate years.

UPPER DIVISION

SO 305 Racial and Cultural Minorities (3-0-3) (F/S). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. Prerequisite: SO 101 or P 101 and Upper Division standing.

SO 310 Elementary Social Statistics (3-0-3) (F). The application of statistical measures to social research data. Basic statistical measures, techniques for their application, mean, 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.

SO 311 Social Research (3-0-3) (S). An introduction to the empirical basis of modern sociological methods of research, design and the statistical analysis of social data. Prerequisite: SO 101, 310 and Upper Division status.

SO 321 American Society (3-0-3) (F/S). Sociological overview of the United States of America with emphasis on social values, institutions, and people undergoing rapid change. Prerequisite: SO 101, Upper Division standing. Alternate years, 1981-82

SO 325 Sociology of Aging (3-0-3) (F/S). Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on the individual and society because of the way it defines and deals with age. Prerequisite: SO 101 and Upper Division status.

SO 331 Deviant Behavior (3-0-3) (F/S). Analysis of groups who violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies - with those labeled deviant or with those doing the labeling. Prerequisite: SO 101, Upper Division status.

SO 340 Sociology of the Family (3-0-3) (F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Prerequisites and facts of the relationships of these patterns to the larger society. Prerequisite: SO 101.

SO 351 Social Institutions (3-0-3) (F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. Prerequisite: SO 101 and Upper Division standing. Alternate years, 1981, 1982.

SO 361 Industrial Sociology (3-0-3) (F/S). The social organization of work is examined in historical and contemporary perspectives. Prerequisite: SO 101, Upper Division standing.

SO 421 Social Stratification (3-0-3) (F/S). How people are affected by social inequalities of wealth, prestige, and power. The impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

SO 424 Rural Sociology and the Emerging Nations (3-0-3) (F/S). The sociological study of rural life, the agrarian society and the phenomena of the emerging nations. Prerequisite: SO 101 and Upper Division status. Alternate years.

SO 425 The Urban Community (3-0-3) (F/S). An examination of the changing growth, demographics, and institutional structure of urban communities, the causes of urbanization and its consequences for individual and group interaction. Prerequisite: SO 101 and Upper Division status. Alternate years.

SO 431 Social Psychology (3-0-3) (F/S). The influence of social and cultural factors on individual behavior, attitudes, and feelings. Prerequisite: SO 101, Upper Division status.

SO 498 Sociology Seminar (2-0-2) (S). Intensive study of selected problems in Sociology. Prerequisite: Senior standing in Sociology major.

THEATRE ARTS MAJOR

Bachelor of Arts Degree

1. General University Requirements, except:
   A. Theatre Symposium TA 010, required each semester of
every Theatre Arts major.
B. Physical Education Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.) .......... 2
C. Area I ............................................. 12
Intro to Theatre and Art or Music Course .......... 6
Dramatic Literature ..................................... 3
Elective Literature Course ......................... 3
D. Area II ............................................ 12
History of Western Civilization ....................... 6
Elective .............................................. 6
E. The Department recommends that Theatre Arts Majors take one year of Foreign Language and LS 101 or 102.

MAJOR SUBJECT REQUIREMENTS

THEATRE:
Introduction to Theatre TA 107 ...................... 3
Technical Theatre TA 117-118 ....................... 8
Acting (Lower Division) TA 215 ....................... 3
Stage Voice TA 233 ..................................... 3
World Drama TA 341,342,343 ......................... 6
Directing TA 401 ...................................... 3
Theatre History TA 421,422 ........................... 6
Contemporary Drama TA 445 ......................... 3
Major Production Participation (2 hours Lower, 2 hours Upper Division) TA 231,331 ...................... 4
(Upper Division Courses—21)

SECONDARY EDUCATION
Department requirements for the Secondary Education Option are the same as regular Theatre major plus:
Directing TA 402
Shakespeare E 345 or 346 (substituted for Contemporary Drama TA 445)
The student must also satisfy the requirements for teacher certification.

THEATRE ARTS MAJOR
Bachelor of Arts Degree
(Suggested Program — Departmental Requirements are indicated by asterisks)

THEATRE EMPHASIS:

FRESHMAN YEAR: 1ST SEM. 2ND SEM.
English Composition E 101-102 ....................... 3 3
*Physical Education .................................... 1 1
Laboratory Science ..................................... 4 4
*Introduction to Theatre ................................ 3 —
*Technical Theatre ..................................... 4 4
Art or Music ........................................... — 3
Intro to use of Books & Libraries ................... — 2
15 17

SOPHOMORE YEAR:

Literature Elective ..................................... 3 —
*Dramatic Literature ................................... — 3
*Western Civilization ................................... 3 3
*Acting .................................................. 3 —
Social Science Elective ................................ 3 —
Laboratory Science ..................................... 4 —
Oral Interpretation ..................................... 3 —
Electives ............................................... 4 6
16 16

JUNIOR YEAR:

Foreign Language ....................................... 4 4
*Stage Voice ............................................ 3 —
*World Drama ........................................... 3 3
Electives, Upper Division ............................. 3 3
6 8

SENIOR YEAR:

*Directing .............................................. 3 3
*Theatre History ....................................... 3 3
Electives, Upper Division ............................. 6 9
*Contemporary Drama .................................. — 3
12 18

SECONDARY EDUCATION EMPHASIS:

FRESHMAN YEAR:

FRESHMAN YEAR: 1ST SEM. 2ND SEM.
English Composition E 101-102 ....................... 3 3
*Physical Education .................................... 1 —
Laboratory Science ..................................... 4 —
*Introduction to Theatre ................................ 3 —
*Technical Theatre ..................................... 4 4
Electives ............................................... — 7
15 15

SOPHOMORE YEAR:

Literature Elective ..................................... 3 —
*Dramatic Literature ................................... — 3
*Western Civilization ................................... 3 3
Laboratory Science ..................................... — 4
Social Science Elective ................................ 3 —
*Acting .................................................. 3 —
Electives ............................................... 4 6
16 16

JUNIOR YEAR:

Foreign Language ....................................... 4 4
*Stage Voice ............................................ 3 —
*World Drama ........................................... 3 3
Electives ............................................... 3 3
16 16

SENIOR YEAR:

*Directing .............................................. 3 3
*Theatre History ....................................... 3 3
Electives ............................................... 3 3
18 18

ENGLISH MINOR FOR THEATRE ARTS
Secondary Education Option: See recommended minor listed in the BSU Catalog on the English Department heading.
Liberal Arts Option (beyond E 101,102):
Lower Division Literature ................................ 9*
One of the following .................................... 3
Expository Composition E 201
Creative Writing, Poetry E 205
Creative Writing, Fiction E 206
Upper Division Electives other than English
Department Drama Courses ................................ 6
18

*This requirement cannot be fulfilled by E 207, Special Topics Courses.

COURSES APPLYING TO BOTH DISCIPLINES

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

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

COURSE OFFERINGS

TA THEATRE ARTS

LOWER DIVISION
TA 010 Theatre Symposium (no credit) (F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full-time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.
TA 107 Introduction to Theatre (3-0-3) (AREA I). A survey course designed to stimulate an appreciation of drama and allied arts forms, through the study of the history of the theatre, dramatic literature and production techniques.
TA 117-118 Technical Theatre (3-4-4) (F/S). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions, development of dra
SCHOOL OF ARTS & SCIENCES

ting skills, problem solving in staging, and the rudiments of lighting and design. Three
hours of lecture plus four hours of lab per week required.
TA 162 Stage Make-up (3-0-3) (F). Investigation and production analysis of stage
makeup; the relationship of actor to play and audience, an integration of make-up and
other technical aspects that influence this particular art. Practical application is em-
phazized.
TA 212, 412 Movement and Dance For the Performing Artist (3-0-3). For the theatre stu-
dent and the experienced dancer. The first half of the semester covers improvisation,
simple choreography and ballet barre work. The second half covers jazz warm-ups and
choreography, culminating in a formal performance. The second half requires much out-
of-class work. The class may be repeated once for credit. Maximum credits: 6.
TA 215-216 Acting (1-2-3). Entails study of and practice in the basic principles, ter-
minology, and disciplines of the acting art. Fundamentals of speech and movement for
the actor, appraisal and analysis of stage techniques, acting theories and practices, and
recent internationally representative roles are investigated.
TA 220 Cinema: History and Aesthetics (3-0-3). An examination of the beginnings and
development of motion pictures with attention given to the qualities peculiar to cinema
which give it validity as a unique art form.
TA 230 Television: History and Aesthetics (3-0-3) (S). An examination of television as an
entertainment medium from critical and historical points of view. Course includes a
studio and the experienced dancer. The first half of the semester covers improvisation,
simple choreography and ballet barre work. The second half covers jazz warm-ups and
choreography, culminating in a formal performance. The second half requires much out-
of-class work. The class may be repeated once for credit. Maximum credits: 6.
TA 232, 432 Repertory Theatre (3-0-3). The study and practice of theatre repertory with
college production in some phases of technical theatre or acting or management. One
the social and commercial influences on program contenL
study of dramatic and comic types, the development of specialized programming, and
which give it validity as a unique art form.
TA 233 Stage Voice (3-0-3) (F/S). Techniques and practice in the use of the voice in the
theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with
actual scenes.
TA 287 Children's Theatre (3-0-3) (!'). An examination of the literature, theory and history
in the class Will be on the actual construction of puppets and the creation of PUPPET
techniques of producing theatre for children. Specific emphasis on a single script
selected for a touring production.
TA 288 Touring Children's Theatre (3-0-3) (S). A concentrated study of the theory and
methods of staging including both aesthetic conception and practical application. Script
analysis and lighting theory applied to actual designs for various stages and produc-
tions. Prerequisite: TA 177-178. Alternate years.
TA 291-292 Directing (3-0-3). Basic theory and techniques of stage directing. Includes
the direction of scenes and one-act plays. Special problems of directing are presented.
Prerequisite: Upper Division standing.
TA 292-293 Theatre History (3-0-3) (S). Investigation of the periods of major im-
portance in the development of theatre. The first semester will include the period from
800 BC through approximately 1550 AD; the second semester from the Elizabethan
period through the end of the 18th century.
TA 295-296 Contemporary Drama (3-0-3) (S). A study of world drama since 1960 with an
emphasis on current research materials and techniques. Alternate years.
TA 911 Senior Projects (3-0-3) (S). A culminating work for the theatre major. The student
will completely research, plan, and execute a theatrical endeavor relative to his em-
phasis in theatre. This endeavor will be accompanied by a formal written, fully
documented thesis describing his production and the concept involved.

EARTH SCIENCE EDUCATION MAJOR*
(Bachelor of Science Requirements)
1. General College and Baccalaureate Degree Requirements. See pages 29, 30 for Graduation Requirements.
2. Major Requirements

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<td>Historical Geology</td>
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<td>Introduction to Ocean Geology</td>
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<td>Meteorology</td>
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<td>C. General Physics or General Biology</td>
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<td>D. Mathematics through M-204</td>
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<td>E. Astronomy</td>
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<td>F. Recommended Electives</td>
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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)

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<td>Geophysics</td>
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<td>Degree Requirements</td>
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<td>Upper Division Electives</td>
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<td>Geomorphology</td>
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<td>Audio Visual Aids</td>
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SOPHOMORE YEAR:

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FRESHMAN YEAR:

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<td>Physical Geology</td>
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</table>

*Refer to pages 50 and 51 for other programs of the Department of Geology and Geophysics.
PART V

SCHOOL OF BUSINESS

Dean: Thomas E. Stiltz, PhD
Associate Dean and Graduate Program Coordinator: J. G. Doss, PhD
School of Business Emeriti:
Albertson, Bushby, Edlefsen, Johnson, Roe, Tipton, Wilson.

OBJECTIVES

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 of the faculty. The nature of the University setting in the State Capitol 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 nonbusiness 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 and MS Accounting degrees and others as developed to meet community needs;

5. Serve the nonstudent 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 page 30 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,
SCHOOL OF BUSINESS

business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives. CLEP or challenge examinations are available for this purpose. See page 28 for available CLEP tests.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Word Processing and Secretarial program areas are offered in addition to the Baccalaureate degree programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the AS degree. Credits earned in such courses may be later applied toward the Bachelor 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 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.

BACHELOR DEGREE PROGRAMS

NOTE: The student will find under each major the particular course of study to follow. Where the term "General Electives" or "Area I, II, or III" appear, refer to the inclusive listing of courses in the areas in Part II. Graduation Requirements: See page 31 for BBA requirements, and page 30 for BA or BS requirements.

All School of Business Baccalaureate degree candidates are required to complete the following Lower Division courses prior to enrolling in Upper Division courses in the School of Business:

- Introduction to Financial Accounting AC 205
- Introduction to Managerial Accounting AC 206
- Introduction to Data Processing DP 210
- Principles of Economics-Macro EC 201
- Principles of Economics-Micro EC 202
- Business Law GB 202
- Statistical Techniques I GB 207
- Applied Business Communications OA 238
- Math for Business Decision M 105-106, or equivalent

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

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

- Principles of Management MG 301
- Principles of Marketing MK 301
- Principles of Finance FI 303
- Principles of Production Management MG 345

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

DEPARTMENT OF ACCOUNTING AND DATA PROCESSING

Business Bldg., Rm. 214 Phone 208/385-3461
Chairman and Associate Professor: Dr. Gordon Pirrong
Professor: Merz; Associate Professors: Behling, Carson, Cox, Hemingway, Jackson, MacMillan, Maxson, Medlin; Assistant Professors: Ellis, Jackson, MacMillan, Maxson, Medlin; Assistant

Professors: Boyll, Bradley, Millier; Special Lecturers: Ellis, Snodgrass.

ACCOUNTING MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

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<td>Mathematics M 105-106 or M 111-204</td>
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<td>General Electives (Area I, II, III)</td>
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SOPHOMORE YEAR

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<tr>
<td>Intro to Financial Accounting AC 205</td>
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<td>Intermediate Accounting I AC 207</td>
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<tr>
<td>Principles of Economics EC 201-202</td>
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<td>Applied Bus. Comm. OA 238</td>
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<tr>
<td>Intro to Data Processing DP 210</td>
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<tr>
<td>Statistical Techniques I GB 207</td>
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<tr>
<td>Business Law GB 202</td>
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JUNIOR YEAR

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<tr>
<td>Cost Accounting AC 351</td>
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<td>Managerial Accounting AC 352</td>
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<td>Intermediate Microeconomics EC 203</td>
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<td>Income Tax AC 401</td>
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<tr>
<td>Business Law II GB 302</td>
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<td>Principles of Marketing MK 301</td>
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<tr>
<td>Human Resource Management MG 401</td>
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<td>Business Policies GB 450</td>
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<td>Prin. of Prod. Management MG 345</td>
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<td>General Electives</td>
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<td></td>
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In addition to general University requirements, the following courses are required for an Accounting major:

- Business Courses: MK 301, GB 202-302, FI 303, EC 303, OA 238, MG 301, 401, plus either EC 301 or 305.
- Accounting Courses: AC 205, 207, 304, 306, 351, 352, 401 (or 320), 455, 470.
- Core Courses: The following courses (or permission of the instructor) are prerequisites for all Upper Division Accounting courses: AC 205, 207, E 101, 102, EC 201, 202, GB 207, DP 210, plus M106 or 112.

NOTE: Students planning to sit for the uniform CPA examination are strongly advised to include AC 402, 482, and DP 420 in their program.

INFORMATION SCIENCES MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

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<th>Course</th>
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<td>Intro to Fin. Accounting AC 205</td>
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SOPHOMORE YEAR

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<td>Intro to Data Processing DP 210</td>
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<tr>
<td>Data Processing Techniques DP 320</td>
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</table>
AC 401 Principles of Income Taxation (3-0-3) (S). Theory and application of the federal income tax to corporations organized for profits, and an introduction to partnership, trust and estate and gift taxation. Prerequisite: AC 306, AC 401.

AC 405 Auditing (3-0-3) (FS). Study of the scope and purpose of the accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the SEC; approach to an audit; and accumulation of the evidence upon which the auditor bases his report. Prerequisite: AC 306.

AC 420 Systems Analysis and Design (3-0-3). Concepts and techniques of the design of information systems. Topics include systems theory, data collection, classification, transmission and display, on-line systems and time sharing. Credit may not be earned for both DP 420 and AC 420. Offered when possible. Prerequisite: AC 205.

AC 440G Accounting Theory (3-0-3) (F). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. May be taken for graduate credit. Prerequisite: AC 306.

AC 450 Data Processing For the Accountant (3-0-3). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer is used as the problem solving tool. Offered when possible. Prerequisite: AC 405.

AC 470 Advanced Accounting (3-0-3) (FS). Study of partnership organization, liquidation and dissolution; business combinations and consolidated financial statements; segmental reporting; international accounting standards; fiduciary accounting and an introduction to non-profit reporting.

AC 482 CPA Problems (4-0-8) (S). In depth consideration of the more complex accounting principles and procedures taught in the undergraduate level. Designed to assist the student in preparing for the certified public accountant examination. Prerequisite: AC 405, AC 470.

DEPARTMENT OF BUSINESS
EDUCATION AND OFFICE ADMINISTRATION

SCHOOL OF BUSINESS

DEPARTMENT OF BUSINESS
EDUCATION AND OFFICE ADMINISTRATION

Business Bldg., Rm. 213
Phone 206/385-3452
Chairman and Professor: Dr. Marvin A. Clark; Professors: Brender, Cornwell, Mandish; Associate Professors: Bounds, Williamson; Assistant Professors: Butler, Carlton, Warberg.
## SCHOOL OF BUSINESS

### BUSINESS EDUCATION MAJOR

**Basic Business Option**

Bachelor of Business Administration Degree

<table>
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<td>Applied Business Communications OA 238</td>
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<td>*Int. or Adv. Typewriting OA 107 or 209</td>
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<td>General Psychology (Area II) P 101</td>
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<td>Business Math/Machines OA 115</td>
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<td>Mathematics (Area III) M 105-106</td>
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### SOPHOMORE YEAR:

Intro Financial Accounting AC 205 | 3 | — |
Intro Managerial Accounting AC 206 | — | 3 |
Prin. of Economics (Area II) EC 201-202 | 3 | 3 |
Business Law I GB 202 | 3 | — |
Elecitive (Area I) | 3 | — |
**Int. or Adv. Typewriting OA 107 or 209 | 2 | — |
Elecitive (Area II) | — | 4 |
Foundations of Education TE 201 | — | 3 |
Statistical Techniques I GB 207 | — | 3 |
Intro Data Processing DP 210 | 3 | — |

### JUNIOR YEAR:

Principles of Marketing MK 301 | 3 | — |
Principles of Management MG 301 | — | 3 |
Principles of Finance Fi 303 | 3 | — |
Secondary School Methods TE 381 | — | 3 |
Principles and Organization of Vocational Education-Job Analysis | — | 3 |
Intro to Data Processing DP 210 | 3 | — |

### SENIOR YEAR:

Methods in Business Education BE 401 | 3 | — |
Administration and Coordination of Cooperative Programs BE 443 | 3 | — |
Speech Communication for Teachers (Area II) CM 311 | — | 3 |
Methods and Materials in Distribution Education BE 409 | — | 3 |
Business Policies GB 450 | 3 | — |

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting, or by completion of advanced courses with a grade of C or better. At least 3 credits of Typewriting at the Intermediate level or above are required.

**NOTE:** Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

### BUSINESS EDUCATION MAJOR

**Shorthand Option**

Bachelor of Business Administration Degree

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<tr>
<td>*Intermediate or Advanced Typewriting OA 107 or 209</td>
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<tr>
<td>Applied Business Communications OA 238</td>
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<tr>
<td>General Psychology (Area II) P 101</td>
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<tr>
<td>Business Math/Machines OA 115</td>
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<tr>
<td>Mathematics (Area III) M 105-106</td>
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<tr>
<td>Salesmanship MM 101</td>
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<tr>
<td>Merchandise Analysis MM 102</td>
<td>—</td>
</tr>
<tr>
<td>Principles of Retailing MM 202</td>
<td>—</td>
</tr>
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</tr>
</tbody>
</table>

### SOPHOMORE YEAR:

Intro to Financial Accounting AC 205 | 3 | — |
Intro to Managerial Accounting AC 206 | — | 3 |
Prin. of Economics (Area II) EC 201-202 | 3 | 3 |
Business Law I GB 202 | 3 | — |
Elecitives (Area I) | — | 3 |
*Beginning and Int. Shorthand OA 107-102 | 4 | — |
Foundations in Education TE 201 | — | 3 |
Statistical Techniques I GB 207 | — | 3 |
Intro to Data Processing DP 210 | — | 3 |

### BUSINESS EDUCATION MAJOR

**Basic Business Option with Distributive Education Emphasis**

Bachelor of Business Administration Degree

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tr>
<td><strong>FRESHMAN YEAR:</strong></td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Business Math/Machines OA 115</td>
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<tr>
<td>General Psychology (Area II) P 101</td>
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<tr>
<td>Mathematics (Area III) M 105-106</td>
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<tr>
<td>Salesmanship MM 101</td>
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<tr>
<td>Merchandise Analysis MM 102</td>
<td>—</td>
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<tr>
<td>Principles of Retailing MM 202</td>
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</table>
JUNIOR YEAR:

- Principles of Marketing MK 301 .................................................. 3
- Secondary School Methods TE 381 ................................................. 3
- Office Management MG 317 .......................................................... 3
- Principles of Management MG 301 .................................................. 3
- Advanced Shorthand OA 201 ......................................................... 4
- Administrative Office Procedures OA 310 ................................. 3
- Technical Writing for Business OA 338 ....................................... 3
- Principles of Finance FI 303 ............................................................ 3
- Electives (Area I) ........................................................................... 3
- Electives (Area II) .......................................................................... 3
- Reading in the Content Subjects .................................................... 3
- Advanced Shorthand OA 201 ......................................................... 4
- Technical Writing for Business OA 338 ....................................... 3
- Principles of Management MG 301 .................................................. 3

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 2 credits of Typewriting at the Intermediate level or above are required.

NOTE: Business Education majors are encouraged to take Internship/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

MINOR IN CONSUMER EDUCATION

A minor is available in Consumer Education. This minor program would be valuable to those planning to teach Consumer Economics or other Consumer Education topics.

- Consumer in the Marketplace HE 250 .......................................... 3
- Principles of Economics EC 201-202 OA 309 .............................. 3
- Personal Finance and Investments FI 106 ..................................... 3
- Money and Banking EC 301 ............................................................ 3
- Principles of Marketing MK 301 ..................................................... 3
- Consumer Education in the Schools BE 411 ................................. 3

SENIOR YEAR:

- Methods in Business Education BE 401 ...................................... 3
- Business Curriculum and Methods .............................................. 3
- Seminar BE 421 ............................................................................. 3
- Records Preparation & Management OA 309 ............................. 3
- Speech Communication for Teachers (Area II) CM 311 ............. 3
- Educational Psychology P 325 ..................................................... 3
- Business Student Teaching BE 471 .............................................. 8
- Prin. of Prod. Management MG 345 ............................................ 3
- Business Policies GB 450 .............................................................. 3
- Electives (from 2 of 3 Areas) ......................................................... 3

A maximum of 12 credits in Shorthand and 4 in Typewriting will be applied to requirements for the major.

NOTE: Office Administration majors are encouraged to take Internship/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

OFFICE ADMINISTRATION MAJOR

Bachelor of Business Administration Degree

OFFICE SYSTEMS

Associate of Science Degree

WORD PROCESSING PROGRAM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
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<tr>
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<tr>
<td>Intermed. and Advanced Typewriting OA 107 and 209</td>
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<tr>
<td>Business Math/Machines OA 115</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Personal Finance and Investments FI 106</td>
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<tr>
<td>Mathematics (Area II) M 105-106</td>
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<td>Area I Electives</td>
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<td>Fund of Speech Communications CM 111</td>
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SOPHOMORE YEAR:

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<th>Course</th>
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<tbody>
<tr>
<td>Business Law I GB 202</td>
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<tr>
<td>Intro Financial Accounting AC 205</td>
<td>3</td>
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<tr>
<td>Intro Managerial Accounting AC 206</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Misc. &amp; Adv. Shorthand OA 121-201</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Word Processing Machine Transcription OA 213</td>
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<tr>
<td>Area III Elective</td>
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<tr>
<td>Essentials in the Schools BE 411</td>
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<tr>
<td>Total</td>
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</table>

SCHOOL OF BUSINESS
SCHOOL OF BUSINESS

SECRETARIAL PROGRAM

1ST SEM. 2ND SEM.

FRESHMAN YEAR:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Intro to Business GB 101</td>
<td>3</td>
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<tr>
<td>*Beginning Shorthand OA 101</td>
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<tr>
<td>*Beginning Typing OA 105</td>
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<td>Applied Business Communications OA 238</td>
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<td>*Intermediate Shorthand OA 121</td>
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<td>Intermediate Typewriting OA 107</td>
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<td>Business Math/Machines OA 115</td>
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</tr>
<tr>
<td>Intro to Information Processing</td>
<td>15</td>
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SOPHOMORE YEAR:

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<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td>Fund of Speech Comm. CM 111</td>
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<td>Intro Financial Accounting AC 205</td>
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<td>Principles of Economics, Macro EC 201</td>
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<td>Advanced Shorthand OA 201</td>
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<tr>
<td>Advanced Typewriting OA 209</td>
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<td>Records Preparation and Management</td>
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<td>OA 309</td>
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<td>Area Electives</td>
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<tr>
<td>Secretarial Transcription OA 221</td>
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<td>Administrative Office Procedures OA 310</td>
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<td>Word Processing, Machine Transcription OA 213</td>
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<td>2</td>
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<tr>
<td>Electives</td>
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</table>

*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.

NOTE: Office Systems majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

BUSINESS EDUCATION

UPPER DIVISION

BE 401 Methods in Business Education (3-0-3) (F). Methods and materials of instruction in business subjects at the secondary and post-secondary levels. Methods of teaching the adult learner. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching.

BE 409 Methods and Materials in Distributive Education (2-0-2) (F). Specific methods and techniques used in teaching salesmanship, marketing, and other distributive education courses. Organization and administration of vocational student groups.

BE 411 Consumer Education in the Schools (3-0-3) (S). For students preparing to teach consumer-related topics. To introduce prospective teachers to teaching methodology appropriate to Consumer Education. Learning materials and resources will be identified and reviewed. Prerequisite: Senior level or PERR INST.

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

BE 441G Principles and Organization of Vocational Education Programs-Job Analysis (3-0-3) (S). Philosophy, history, purpose and organization of Vocational Education programs. Occupational analysis to include nature and use of occupational information, labor force opportunities, job values, job analysis, job descriptions, and job requirements.

BE 442G Administration and Coordination of Cooperative Programs (3-0-3) (F). Selection, guidance, placement, supervision and follow-up of students in training stations. Responsibilities of good public relations, organization, maintenance, and utilization of advisory committees. Vocational youth groups, including philosophy, establishment, leadership roles, financing, activities, and contests.

BE 471 Business Student Teaching (8-0-4) (FS). Supervised teaching under the direction of qualified, business teacher-education specialists. Prerequisite: BE 401 and PERR INST.

LOWER DIVISION

OA 101 Beginning Shorthand (5-0-4) (FS). A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Recommended credit or current enrollment in OA 228. Prerequisite: demonstrated proficiency in typewriting or current enrollment in typewriting.

OA 105 Beginning Typewriting (5-0-2) (FS). Theory and keyboard operations on the typewriter with application for personal or business use.

OA 107 Intermediate Typewriting (3-0-2) (FS). Review of typewriting fundamentals for development of speed and accuracy with application of these skills for use. Prerequisite: OA 105 or advanced placement.

OA 115 Business Mathematics-Machines (3-0-3) (FS). Fundamental operations of arithmetic in 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 electronic calculator.

OA 121 Intermediate Shorthand (5-0-4) (FS). 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.

OA 201 Advanced Shorthand (5-0-4) (F/S). 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.

OA 205 Medical Office Orientation (1-0-1) (Alternate years). 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.

OA 207 Procedures Of A Law Office (1-0-1) (S). Office procedures and methods as they relate to the work of a legal secretary. Legal terminology and meaning of the language of the law is stressed.

OA 209 Advanced Typewriting (3-0-2) (F/S). Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA 107 or advanced placement from high school work.

OA 211 Introduction to Information Processing (3-0-3) (F). Information as a major resource of business. Information processing concepts, equipment, and systems in business. Areas of Information considered are: Telecommunications, word processing, integrated word/data processing systems, electronic typewriting, reprographics, micrographics, records management, and office administration. Creation, storage, processing, and distribution of business information.

OA 213 Word Processing, Machine Transcription (2-0-2) (FS). The development of speed and accuracy in machine transcription is emphasized by using business work processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA 209.


OA 216 Writing For Word Processing (1-1-1) (S). Intended to assist the student in developing expertise in spelling, vocabulary, punctuation, proofreading, abstracting, and editing. Prerequisite: Grade of C or higher is recommended in OA 238, OA 107.

OA 221 Secretarial Transcription (5-0-4) (S). Advanced instruction in office transcription. Preparation of special transcription practice of a medical or legal nature will be provided. Prerequisite: OA 201.

OA 226 Applied Business Communications (3-0-3) (FS). Designed to emphasize the building of a foundation in effective business writing principles. The effectiveness and correctness of writing and the psychology of letter writing will be emphasized through the preparation of a variety of business letters.

UPPER DIVISION

OA 309 Records Preparation and Management (3-0-3) (F). 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.

OA 316 Administrative Office Procedures (3-0-3) (S). Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them.

OA 317 Office Management (3-0-3) (S). Introduction to the area of information management. Functions of office management including area such as production environmental analysis, systems analysis and personal administration.

OA 228 Technical Writing For Business (3-0-3) (F/S). 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. Prerequisite: OA 226.

DEPARTMENT OF ECONOMICS

Business Bldg., Rm. 311  Phone 208/385-3351
Chairman and Professor: Dr. Richard D. Payne; Professors: Asmus, Billings, Holley, Lamborn, Mitchell; Associate Professors: Draayer, Lichtenstein, Sula; Assistant Professor: Reynolds.
## ECONOMICS MAJOR
### Bachelor of Arts Degree

### FRESHMAN YEAR:

<table>
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<th>Course Offerings</th>
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<th>2ND SEM.</th>
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<td>Mathematics M 105-106 or M 111-204</td>
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<tr>
<td>History</td>
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<td>Electives (Area II) other than Economics or History</td>
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<td>*Electives (Area I) (Field One)</td>
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<td>*Electives (Area I) (Field Two)</td>
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<tr>
<td>Electives</td>
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</table>

### SOPHOMORE YEAR:

- Principles of Microeconomics EC 202: 3
- Principles of Macroeconomics EC 205: 3
- Electives: 3
- Economics Electives: 3
- **Electives:** 15

### JUNIOR YEAR:

- Intermediate Microeconomics EC 303: 3
- Principles of Finance Fl 303: 3
- Economics Electives: 3
- **Electives:** 10

### SENIOR YEAR:

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

**Note:** See page 30 for clarification of fields in BA degree.

**Must include hours in at least 2 of 3 definitive areas as listed on page 31 of the Catalog.
**Electives should be chosen mainly from Upper Division courses.

### SCHOOL OF BUSINESS

## DEGREE REQUIREMENTS

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

1. General University and Basic Core Requirements as listed on page 29 of the Catalog.
2. Two approved teaching minors (15 hours each) from:
   - A. History
   - B. Political Science
   - C. Anthropology
   - D. Sociology
   - E. Geography
3. Economics Courses — 30 hours
   - Required Courses EC 201, 202, 303, 305 — 12 hours
   - Other Economics Courses — 18 hours
4. Accounting AC 205
5. Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education — 25 or 30 hours (See Teacher Education Section, page 102 for course listings).
6. Sufficient electives to complete a total of 128 credit hours of which 40 must be Upper Division.

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

1. Required Courses EC 201, 202, 303, 305 — 12 hours
2. Upper Division Economics Courses — 3 hours

### ECONOMICS MINOR ENDORSEMENT (General)

(For Secondary Education majors NOT participating in the 30-15-15 program)

1. Required Courses EC 201, 202, 303, 305 — 12 hours
2. Upper Division Economics Courses — 9 hours

### COURSE OFFERINGS

#### EC ECONOMICS

### LOWER DIVISION

**EC 201 Principles of Economics-Macro (3-0-3) (AREA II). Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.**

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

**EC 210 Contemporary Economic Problems (3-0-3) (F/S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202). Prerequisite: None.**
SCHOOL OF BUSINESS

EC 213 Environmental Economic Problems: Economics and the Quality of Life (3-0-3) (F). Choices must be made between the kind of economic growth society wants and the resulting quality of life. Environmental impacts of growth, including air, water and noise pollution, urban congestion, natural resource depletion and population pressures are examined. Policy prescriptions and economic implications of environmental control are discussed.

UPPER DIVISION

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

EC 203 Intermediate Microeconomics (3-0-3). Analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. Prerequisite: EC 202.

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

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

EC 311 History of Economic Thought (3-0-3) (F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202.

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

EC 317 International Economics (3-0-3) (S). The benefits and pattern of world trade and investment. Tariffs, quotas and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payment disequilibrium for national policy. The analysis of international payments adjustment and the nature and institutions of international monetary systems. Prerequisite: EC 201, 202.

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

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

EC 325 Radical Economics (3-0-3) (F). Analysis of radical political-economic thought and its applications to the study of socio-economic problems. Topics include Marxian socialist economic theory, libertarianism, anarchism, evolution economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. Prerequisite: Upper division or PERM/INST.

EC 327 Labor Economics (3-0-3) (F). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed to emphasize the micro- and macroeconomic factors affecting workplace decisions. Development of the U.S. industrial relations system is reviewed along with public policies and these are contrasted with those of other western industrialized societies. Prerequisite: EC 201, 202.

EC 405 Business Fluctuations and Economic Stabilization (3-0-3). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. Prerequisite: EC 321. Alternate years.

EC 417 (HY 417) U.S. Economic History (3-0-3) (S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisite: EC 201, 202 or PERM/INST. Alternate years.

EC 421G-422G Econometrics (3-0-3). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisite: M 186 or equivalent and PERM/INST. May be taken for graduate credit. EC 421G - Fall, EC 422G - Spring.

DEPARTMENT OF MANAGEMENT AND FINANCE

Chairman and Professor: Dr. Roger D. Roderick; Professors: Allen, Phillips, Stitzel, White, Withering; Associate Professors: Bohnen, Doss, Fitzpatrick, Gardner, Greene, Groebner, Kinsinger, Nix, Puckett, Shannon, Waldorf; Assistant Professors: Gallup, Hall, Heist, Kettlewell, Munson.

FINANCE MAJOR

Bachelor of Business Administration Degree

FRESHMAN YEAR:

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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Fund. of Speech Comm. (Area II) CM 111</td>
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<td>Mathematics (Area III) M 105-106 or M 111-204</td>
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<td>General Electives (Area I, II, III)</td>
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SOPHOMORE YEAR:

Principles of Economics EC 201-202 .......................... 3 3
Intro Financial Accounting AC 205 .......................... 3 3
Intro Managerial Accounting AC 206 ........................ 3 3
Applied Business Communications OA 238 ............... 3 3
Intro to Data Processing DP 210 ............................ 3 3
Statistical Techniques I GB 207 ............................... 3 3
Statistical Techniques II GB 208 ............................. 3 3
Business Law/GB 202 ........................................... 3 3
Science Electives (Area III) .................................... 4 3
Introduction to Securities FI 250 ............................ 3 3

JUNIOR YEAR:

Principles of Marketing MK 301 ................................ 3 3
Principles of Management MG 301 ............................. 3 3
Principles of Finance FI 303 .................................... 3 3
Intermediate Microeconomics EC 303 ........................ 3 3
Money and Banking EC 301 ..................................... 3 3
Financial Management FI 326 .................................. 3 3
**Major Electives .................................................. 3 3
General Electives (Area I, II, III) ............................ 4 4
Prin. of Prod. Management MG 345 .......................... 3 3

SENIOR YEAR:

Mgmt. of Financial Institutions FI 417 ................. 3 -
Senior Seminar in Finance FI 498 .......................... 3 -
Investment Management FI 450 .............................. 3 -
Human Resource Management MG 401 ..................... 3 -
Financial Management II FI 526 ............................ 3 -
Business Ethics and Social Responsibility GB 360 .... 3 -
Business Policies GB 450 ....................................... 3 -
**Major Electives .................................................. 3 3
General Electives .................................................. 3 3
Electives (Area I, II, III) ....................................... 3 3

*Some students may want to take AC 207 (Intermediate Accounting I). Check with your advisor.
**Finance Electives: Intermediate and/or Managerial and Cost Accounting AC 207, 352, 351, 304, 306, 351, 352; International Economics, EC 317; Real Estate Finance, RE 306; Senior Seminar in Finance, FI 498 - one required, second recommended; Public Finance, EC 310.

GENERAL BUSINESS MAJOR

Bachelor of Business Administration Degree

FRESHMAN YEAR:

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# MANAGEMENT MAJOR

**BEHAVIORAL OPTION**
Bachelor of Business Administration Degree

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<td>Operations Management MG 408</td>
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*Production Management Electives: Compensation Management, MG 406; Fluid Mechanics, EN 301; Labor Relations, MG 340; Labor Law, MG 330; Thermodynamics and Heat Transfer, EN 320.

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## PRODUCTION MANAGEMENT MAJOR
Bachelor of Business Administration Degree

### FRESHMAN YEAR:

*English Composition E 101-102, 3*

*Algebra, Trig., Calculus M 111-204, 5*

*Essentials of Chemistry (w/Lab), 4*

*Digital Computer Programming EN 104, 2*

*Physics I PH 220, 3*

*Engineering Fundamentals EN 107-108, 2*

*Total, 15*

### SOPHOMORE YEAR:

*Physics II, III PH 221-222, 3*

*Calculus & Analytical Geometry M 205-206, 4*

*Statistical Techniques I GB 207, 3*

*Statistical Techniques II GB 208, 3*

*Intro Financial Accounting AC 205, 3*

*Intro Managerial Accounting AC 206, 3*

*Applied Business Communications OA 238, 3*

*Geology P 101, 3*

*Total, 16*

### JUNIOR YEAR:

*Prin. of Economics EC 201-202, 3*

*Principles of Marketing MK 301, 3*

*Intro to Mechanics EN 205, 3*

*Fund. of Speech Communications CM 111, 3*

*Principles of Finance Fl 303, 3*

*Electives (Area I), 3*

*Principles of Management MG 301, 3*

*Business Law I GB 202, 3*

*Prin. of Prod. Management MG 345, 3*

*Total, 16*

### SENIOR YEAR:

*Human Resource Management MG 401, 3*

*Quantitative Analysis GB 366, 3*

*Operations Management MG 408, 3*

*Principles of Income Tax AC 401, 3*

*Decisions Analysis MG 409, 3*

*Mechanics of Material EN 306, 3*

*Intermediate Microeconomics EC 303, 3*

*Elective, 3*

*Business Ethics and Social Responsibility GB 360, 3*

*Business Policies GB 450, 3*

*Total, 15*

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# MANAGEMENT MAJOR

**BEHAVIORAL OPTION**
Bachelor of Business Administration Degree

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## SOPHOMORE YEAR:

*Intro Financial Accounting AC 205, 3*

*Intro Managerial Accounting AC 206, 3*

*Principles of Economics EC 201-202, 3*

*Applied Business Communications OA 238, 3*

*Statistical Techniques I GB 207, 3*

*Intro to Data Processing DP 210, 3*

*General Electives (Areas I, II or III), 3*

*Business Law I GB 202, 3*

*Total, 16*

## JUNIOR YEAR:

*Principles of Marketing MK 301, 3*

*Principles of Finance Fl 303, 3*

*Principles of Management MG 301, 3*

*Intermediate Microeconomics ED 303, 3*

*Intermediate Macroeconomics EC 305, 3*

*Business Ethics and Social Responsibility GB 360, 3*

*Prin. of Prod. Management MG 345, 3*

*General Electives (Areas I, II and III), 3*

*General Electives, 3*

*Total, 18*

## SENIOR YEAR:

*Compensation Management MG 406, 3*

*Consumer Behavior MK 307, 3*

*Industrial Sociology SO 381, 3*

*Organization Dynamics MG 405, 3*

*Quantitative Analysis GB 366, 3*

*Human Resource Management MG 401, 3*

*Government and Business GB 441, 3*

*Business Policies GB 450, 3*

*General Electives, 3*

*Total, 15*

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### MANAGEMENT MAJOR

#### QUANTITATIVE OPTION

Bachelor of Business Administration Degree

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| 2ND SEM. | Intro to Data Processing DP 210 | 3 | 3 |
| 2ND SEM. | General Psychology (Area II) P 101 | 3 | 3 |
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| 2ND SEM. | Intermediate Macroeconomics EC 305 | 3 | 3 |
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| 2ND SEM. | Prin. of Prod. Management MG 345 | 3 | 3 |
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| 2ND SEM. | Human Resource Management MG 401 | 3 | 3 |
| 2ND SEM. | Government and Business GB 441 | 3 | 3 |
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| 2ND SEM. | Electives (Area I) | 3 | 3 |
| 2ND SEM. | Business Law I GB 202 | 3 | 3 |
| 2ND SEM. | Quantitative Analysis GB 366 | 3 | 3 |
| 2ND SEM. | Organization Dynamics MG 405 | 3 | 3 |
| 2ND SEM. | Decisions Analysis MG 409 | 3 | 3 |
| 2ND SEM. | Operations Management MG 408 | 3 | 3 |
| 2ND SEM. | Business Policies GB 450 | 3 | 3 |
| 2ND SEM. | General Electives (Area I, II, III) | 3 | 3 |
| 2ND SEM. | General Electives | 3 | 3 |

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| 2ND SEM. | Principles of Management MG 301 | 3 | 3 |
| 2ND SEM. | Labor Economics EC 327 | 3 | 3 |
| 2ND SEM. | Intermediate Microeconomics EC 305 | 3 | 3 |
| 2ND SEM. | General Electives | 6 | 6 |
| 2ND SEM. | Personnel Administration MG 305 | 3 | 3 |
| 2ND SEM. | Labor Relations MG 340 | 3 | 3 |
| 2ND SEM. | General Electives (Areas I, II, III) | 3 | 3 |
| 2ND SEM. | General Electives | 4 | 4 |

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<tr>
<th>Semester</th>
<th>Course Description</th>
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<tr>
<td>1ST SEM.</td>
<td>Compensation Management MG 406</td>
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<td>1ST SEM.</td>
<td>Labor Law MG 330</td>
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<tr>
<td>1ST SEM.</td>
<td>Prin. of Prod. Management MG 345</td>
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<tr>
<td>1ST SEM.</td>
<td>Organization Dynamics MG 403</td>
<td>3</td>
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<td>1ST SEM.</td>
<td>Collective Bargaining MG 415</td>
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<td>1ST SEM.</td>
<td>Human Resource Management MG 401</td>
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<td>1ST SEM.</td>
<td>Government and Business GB 441</td>
<td>3</td>
<td>3</td>
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<tr>
<td>1ST SEM.</td>
<td>Business Policies GB 450</td>
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<td>1ST SEM.</td>
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| 2ND SEM. | Compensation Management MG 406 | 3 | 3 |
| 2ND SEM. | Labor Law MG 330 | 3 | 3 |
| 2ND SEM. | Prin. of Prod. Management MG 345 | 3 | 3 |
| 2ND SEM. | Organization Dynamics MG 403 | 3 | 3 |
| 2ND SEM. | Collective Bargaining MG 415 | 3 | 3 |
| 2ND SEM. | Human Resource Management MG 401 | 3 | 3 |
| 2ND SEM. | Government and Business GB 441 | 3 | 3 |
| 2ND SEM. | Business Policies GB 450 | 3 | 3 |
| 2ND SEM. | General Electives | 5 | 5 |
REAL ESTATE MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR: 1ST SEM. 2ND SEM.
English Composition E 101-102 3 3
Fund of Speech Comm. (Area II) CH 111 3 3
General Psychology (Area II) P 101 3 3
Mathematics M 105-106 or M 111-204 4 4
Electives (Area I) 3 3
Business Law I GB 202 3 3
Fundamentals of Real Estate RE 201 16 16

SOPHOMORE YEAR:
Science Elective 4 4
Intro Financial Accounting AC 205 3 3
Intro Managerial Accounting AC 206 3 3
Principles of Economics EC 201-202 3 3
Intro to Data Processing DP 210 3 3
Applied Business Communications OA 238 3 3
Law of Real Estate RE 220 3 3
Statistical Techniques I GB 207 3 3
General Electives (Areas I, II, III) 4 4
16 16

JUNIOR YEAR:
Intermediate Microeconomics EC 303 3 3
Regional Economics EC 321 3 3
Principles of Marketing MK 301 3 3
Principles of Management MG 301 3 3
Principles of Finance FI 303 3 3
Real Estate Finance RE 360 3 3
Appraisal of Real Estate RE 331 3 3
Business Ethics and Social Responsibility GB 360 3 3
General Electives (Areas I, II, III) 3 3
General Electives 3 4
18 18

SENIOR YEAR:
Human Resource Management MG 401 3 3
Prin. of Prod. Management MG 435 3 3
Real Estate Investment and Taxation RE 340 3 3
Business Policies GB 460 3 3
*Major Elective 3 6
General Electives (Area I, II, III) 3 3
*General Electives 3 3
15 15

*Real Estate Electives: Real Estate Development, RE 370; Appraisal Income Property, RE 431; Tax Factors in Business, AC 320; Principles of Income Tax, AC 401; Brokerage Management RE 450; Property Management RE 350.

COURSE OFFERINGS

AV AVIATION MANAGEMENT

LOWER DIVISION
AV 191 Aviation Ground School (3-0-3). Survey of basic aerodynamics, meteorology, navigation and Federal Aviation Agency regulations. At termination, the student will take the FAA Private Pilot examination. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight.

AV 261 Commercial Pilot Ground School (3-0-6) (F). Study of weather, navigation, radio communications, federal air regulations, flight procedures and planning and aircraft performance as required for the FAA commercial pilot examination. Prerequisite: Private pilot certificate.

AV 205 Introduction to Aviation Management (3-0-3) (F). Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

UPPER DIVISION
AV 331 Airport Management (3-0-3) (F/S) Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 205.

AV 351 Airline and Air Cargo Management (3-0-3) (F/S). Functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial and economic phases of aviation management.

SCHOOL OF BUSINESS

AV 371 Aviation Law (3-0-3) (F/S). An overview of fundamental aviation law decisions. A chronological coverage of air law, federal and state regulatory functions, liens and security interest in aircraft is emphasized.

AV 450 Colloquium in General Aviation (3-0-3) (S). Selectioned readings and topics on current problems in general aviation, contact with representatives working in general aviation are advocated. Included in the course is consideration of general aviation equipment, the use of general aviation aircraft as a business tool. The operation and management of fixed base operations. Prerequisite: Senior aviation major or PERM/INST.

COURSE OFFERINGS

FI FINANCE

LOWER DIVISION
FI 108 Personal Finance (3-0-3) (F). Course addresses the growing complexity of financial decision making faced by the individual. How to avoid financial entanglements, installment buying, borrowing money, owning or renting a home. Borrowing and money management, savings and investment alternatives, life, health, accident and auto insurance, personal income taxes and estate planning.

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

FI 250 Introduction to Securities and Securities Markets (3-0-3) (F). Topics include operation of the securities markets in the US, sources of investment information, brokerage firms, mechanics of direct investing, basic security analysis, commodities and futures markets, and call and put options. Prerequisite: AC 205 or PERM/INST.

UPPER DIVISION
FI 303 Principles of Finance (3-0-3). Concepts and techniques of major areas of corporate finance and investment financial, and their interrelationships. Overview of monetary policy by federal reserve, study of US financial system, international financial system, financial decision-making problems focusing on internal allocation of funds, financial assets and liabilities. Prerequisite: AC 205, 206, EC 201, 202 and M 108.

FI 323 Financial Management (3-0-3) (F). Study and theoretical analysis of the internal allocation of resources within the business firm and governmental agencies, including working capital management and policy, capital budgeting and analysis, risk analysis, financial planning and control, the analysis of financial cases and financial modeling. Prerequisite: FI 303 and GB 208.

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

FI 417 Management of Financial Institutions (3-0-3) (F). Problems faced by managers of financial institutions, developments and recent changes in structuring of US financial system as they impact on decision making in banking and other savings type institutions, the methods of government financing and their effects on flows of funds in the economy, New legislation, international institutions. Prerequisite: FI 303, EC 201.

FI 450 Investment Management (3-0-3) (F). Strategies of investing in stocks, bonds, commodities and stock options. Topics include risk-return relationships of various investments, efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. Prerequisite: FI 303, GB 208 and FI 250.

GB 488-489 Seminar in Finance (3-0-3) (F/S). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds on background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor.

COURSE OFFERINGS

GB GENERAL BUSINESS

LOWER DIVISION
GB 101 Introduction to Business (3-0-3). Designed to acquaint the student with the many phases of business. An introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary.

GB 202 Business Law I (3-0-3). Introduction to the legal system including courts, litigation and lawyers. Designed to emphasize such specific substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of government regulation of business.

GB 207 Statistical Techniques for Decision Making I (3-0-3). Designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Business applications of such statistical concepts as the Poisson and normal distributions, interval estimates, and hypothesis testing are covered. Prerequisite: M 108 or equivalent.

GB 208 Statistical Techniques for Decision Making II (3-0-3) (F). Statistical methods beyond GB 207. The course concentrates on using these procedures in a business decision making environment. Topics covered include simple and multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. Prerequisite: GB 207, DP 210.

UPPER DIVISION
GB 302 Business Law II (3-0-3) (F). Study of the Uniform Commercial Code with emphasis on sales, bulk transfers, documents of title, commercial paper, and secured trans-
SCHOOL OF BUSINESS

sections. Also, the formation, operation and dissolution of partnerships and corporations, the merger and consolidation of corporations. Prerequisite: GB 207.

GB 325 Principles of Transportation (3-0-3) (F/S). Study of the economic and management problems and functions of the transportation industry. Covers the organization and structure of the transportation industry as well as the history, development, operations, pricing and control of various modes of transportation. Emphasis is on the role of transportation in the economy, the structure of the transportation industry, and its impact on society and national economic policies. Prerequisite: GB 207, MG 301.

GB 360 Business Ethics, and Social Responsibility (3-0-3) (F). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form personal positions on ethical conduct and social responsibility. Prerequisite: GB 207, MG 301.

GB 366 Quantitative Analysis for Business Decisions (3-0-3) (F). Study of quantitative tools traditionally referred to as operations research techniques. Emphasis is on the illustrative and functional nature of the techniques and how they assist the decision maker. Topics typically covered include linear programming and critical path analysis. Prerequisite: GB 207, MG 301.

GB 441 Government and Business (3-0-3) (S). Intensive study of and research into the scope of government control and regulation of business. Specific major statutes affecting business are examined as well as selected federal and state regulatory agencies. May be taken for graduate credit. Prerequisite: GB 202.

GB 456 Business Policies (3-0-3). To develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. Prerequisite: Senior standing plus MG 301, MK 301, MG 345, FI 303.

COURSE OFFERINGS

MG MANAGEMENT

UPPER DIVISION

MG 301 Principles of Management (3-0-3). The history of management, schools of management thought, and the planning, organizing, directing and controlling functions of management. Emphasis is also given to management research and the application of quantitative techniques in management. Prerequisite: M 106.

MG 395 Personnel Administration (3-0-3) (F/S). The functions of personal administration—human resources, planning, procurement, development, utilization, and coordination—with an emphasis on the relationships among these functions. Current laws affecting the personnel functions are considered (e.g., OSHA, Fair Employment Regulations, etc.). Prerequisite: MG 301 or PERM/INST.

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

MG 320 Labor Law (3-0-3) (F/S). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanics of conflict resolution are discussed.

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

MG 345 Principles of Production Management (3-0-3) (F/S). Management of the production function. Analysis, design, planning and control of production processes. Plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. Prerequisite: Upper Division standing. GB 207 and MG 301.

MG 481 Human Resource Management (3-0-3). 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.

MG 485 Organizational Dynamics (3-0-3) (S). Development of organizational theory including the following specific areas: organizational structure, bureaucracies, organizational influence processes, politics, power and conflict, organizational development and organizational effectiveness. Prerequisite: MG 301.

MG 489 Compensation Management (3-0-3) (F/S). Implementation, administration, maintenance and control of a comprehensive compensation program: job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Legislation affecting compensation and unique compensation problems of public employers and employees of trans-national enterprises. Prerequisite: MG 306 or PERM/INST.

MG 486 Operations Management (3-0-3) (S). Quantitative tools needed in the operations management function for effective decision making. The nature of the interactions between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning. Prerequisite: GB 206, 398, MG 301.

MG 490 Decisions Analysis (3-0-3) (S). Decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. Emphasis will be on presenting the tools in actual business applications. Prerequisite: GB 208, MG 301.

MG 413 Collective Bargaining (3-0-3) (F). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Administration of the negotiated agreement is also considered. Special attention is devoted to public sector bargaining. Prerequisite: MG 340, 393 or PERM/INST.

DEPARTMENT OF MARKETING AND MID-MANAGEMENT

Business Bldg., Rm 306 Phone 208/385-3356
Chairman and Professor: Dr. Duston R. Scudder; Professor: Knowlton; Associate Professors: Lane, Lincoln, McCain; Assistant Professors: Bahn, Naumann.

MARKETING MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR:

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<th>Course</th>
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<td>English Composition E 101-102</td>
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<td>General Psychology P 101</td>
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<td>Mathematics M 105-106 or M 111-204</td>
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<tr>
<td>Fund. of Speech Comm. (Area II) CM 111</td>
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SOPHOMORE YEAR:

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<td>Intro Managerial Accounting AC 206</td>
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<td>Principles of Economics EC 201-202</td>
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<td><strong>Intro to Sociology SO 101</strong></td>
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<td>Business Law I GB 202</td>
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<tr>
<td>Intro to Data Processing DP 210</td>
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<td>Physical or Biological Science Electives</td>
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Two Year Programs* FASHION MERCHANDISING** MID-MANAGEMENT

**SCHOOL OF BUSINESS**

**FRESHMAN YEAR:**

- English Composition E 101-102 ........................................ 3 3
- Intro to Business GB 101 ........................................ 3
- Salesmanship MM 101 ........................................ 3
- Clothing Construction HE 103 ........................................ 3
- Business Math/Machines OA 115 ........................................ 3
- Clothing and the Individual HE 107 ........................................ 2
- Textiles HE 109 ........................................ 3
- Elements of Management MM 105 ........................................ 3
- Intro Financial Accounting AC 205 ........................................ 3
- Mid-Mgmt. Practicum MM 100 ........................................ 2
- Elective ........................................ 1

16 16

**SOPHOMORE YEAR:**

- Consumer Marketing MM 201 ........................................ 3
- Fashion Analy. & Design HE 111 ........................................ 2
- Fund. of Speech Communication CM 111 ........................................ 3
- Retail Buying MM 215 ........................................ 3
- Mid-Mgmt. Practicum MM 100 ........................................ 2 2

**COURSE OFFERINGS**

**MK MARKETING**

**UPPER DIVISION**

- MK 301 Principles of Marketing (3-0-3). Marketing consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; determining the product, price, promotion, and place in a proper mix. Prerequisite: Junior standing.

- MK 303 Principles of Retailing (3-0-3) (F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to ensure that managers are aware of the ethical responsibilities inherent in the job.

- MK 307 Consumer Behavior (3-0-3) (F/S). Theories of behavior related to the purchase of goods or service are major areas of study. Individual as well as group reaction in social science research is evaluated.


- MK 414G Marketing Research (3-0-3) (F/S). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project.

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

COURSE OFFERINGS
MM MARKETING, MID-MANAGEMENT

LOWER DIVISION

MM 100 Mid-Management Practicum (2-0-2) (F/S). For students enrolled in the mid-management program. Student may earn 2 semester hours credit for a maximum of four semesters. This provides actual experience in retail, wholesale, or service field as a paid employee. Student is evaluated by the employer and the program coordinator.

MM 101 Salesmanship (3-0-3) (F/S). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler, and manufacturer establishments. Analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

MM 102 Merchandise Analysis (3-0-3) (F/S). A study dealing with what the product is and what the product does for the customer. Provides methods and practice in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and nontextiles are surveyed.

MM 105 Elements of Management (3-0-3) (F/S). Principles of management related to the functions of planning, organizing, staffing, directing, and controlling are major topics in the course. Production is not considered. For associate degree students only.

MM 201 Consumer Marketing (3-0-3) (F). (Previously Introduction to Marketing). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies, and evaluation of the various marketing institutions according to the function performed.

MM 202 Principles of Retailing (3-0-3) (S). 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.

MM 203 Principles of Advertising (3-0-3) (S). Objectives and policies of sales promotion, study of the media, and regulation of advertising. Coordination of display, selling and other merchandising factors. Preparation of copy, illustrations, layout and display.

MM 204 Supervision of Personnel (3-0-3) (S). Major emphasis is given to the applied management functions of the first level supervisor. Individual and organizational needs are identified and discussed.

MM 206 Report Writing (3-0-3) (F). Prepares the student to write reports for business situations. Emphasis is placed on actual preparation of reports, research methods, and readability of the finished product.

MM 209 Credit and Collections (2-0-2) (S). A survey of the credit field including history, types, credit information, and the function of the credit department. Ethical methods and procedures of collection are given significant treatment.

MM 213 Retail Buying (3-0-3) (F). Considers the buyer's duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand.
SCHOOL OF EDUCATION
Dean: Richard L. Hart, Ed.D
Associate Dean: Clyde Martin, Ed.D

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

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

COORDINATION OF PROGRAMS IN TEACHER EDUCATION
Teacher Education programs at Boise State University are interdisciplinary in nature; hence, coordination of programs is essential. The development and operation of individual programs is the specific responsibility of the appropriate department with the 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.

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

Any half-time (6 credits or more), or full-time student is eligible for counseling or testing. Appointments may be made by phone, extension 1601, or in person at the Counseling and Testing Center, 6th floor, Education Building.
DEPARTMENT OF
HEALTH, PHYSICAL
EDUCATION
AND RECREATION

Gymnasium, Room 101
Phone 208/385-1570

Chairman and Professor: Dr. Bill C. Bowman; Professors: Button, Smith; Associate Professor: Lewis; Assistant Professors: P. Bowman, Boyles, Connor, Murray, Sweeney, Vaughn, Wallace, Young; Instructors: Fahleson, Pfeiffer, Emeritus: Westfall.

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, and Athletic Training. Students who complete the major program in one of the options are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. Physical Education minors are offered in Elementary Physical Education, Athletic Coaching, and Health Education.

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 and club sports programs offered by the Department and the Recreation programs offered by the Student Union games area.

ELECTIVE PHYSICAL EDUCATION ACTIVITY PROGRAM

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 physiological capacities that comprise the biological bases for 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, intermediate and advanced level activities. No courses may be repeated for credit except, Adaptive Physical Education, PE 108.

EIGHT SEMESTER HOURS OF PHYSICAL ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

ELECTIVE ACTIVITIES ARE:

Dance:
- International Folk Dance*
- Modern Dance*
- Recreational Dance*
- Social Dance

Fitness Activities:
- Adaptive Physical Education
- Fitness Activities
- Jogging
- Weight Training
- Yoga

Individual Sports:
- Archery*
- Badminton*
- Billiards
- Bowling*
- Fencing*
- Golf*
- Gymnastics*
- Racquetball
- Skiing
- Tennis*

Martial Arts:
- Defensive Tactics
- Judo*
- Karate*
- Self Defense*

Outdoor Recreational Activities:
- Backpacking and Camping
- Fly Casting and Fly Tying
- Target & Trap Shooting
- Bicycle Touring
- Cross Country Skiing
- Alpine Skiing
- Ice Skating

Team Sports:
- Basketball*
- Field Hockey*
- Flag Football
- Rugby
- Soccer*
- Softball
- Team Handball
- Track and Field
- Volleyball*

Water Activities:
- Kayaking
- Advanced Life Saving
- Skin and Scuba Diving
- Spring Board Diving
- Swimming*
- Water Polo
- Water Safety Instruction

*More than one level of instruction is offered in this activity.

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 Catalog (page 29) 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 Catalog (page 99).
3. The requirements of the Physical Education Department:
   (a) 27 credit core requirement.
   (b) All other required courses listed in the option of the student's choice.

PHYSICAL EDUCATION CORE REQUIREMENTS
(Required of all Physical Education majors)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Health Education PE 100</td>
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<tr>
<td>Intro to Physical Education PE 101</td>
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<tr>
<td>First Aid PE 105</td>
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<tr>
<td>Basic Movement PE 113</td>
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<tr>
<td>Gymnastics PE 115</td>
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<tr>
<td>Field Sports PE 117</td>
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<tr>
<td>Resistance Training and Conditioning</td>
<td>1</td>
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<tr>
<td>Procedures PE 149</td>
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<tr>
<td>Principles of Physical Education PE 202</td>
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<tr>
<td>Anatomical Kinesiology PE 230</td>
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<tr>
<td>Methods for Teaching Physical Education PE 304</td>
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<td>Evaluation in Physical Education PE 309</td>
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<td>Physiological Kinesiology PE 310</td>
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<td>Psychology of Activity PE 401</td>
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<td>Organization and Administration of Physical Education PE 457</td>
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</tbody>
</table>

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ATHLETIC TRAINER OPTION

GRADUATION REQUIREMENTS

(Satisfies Educational for NATA Certification)

GENERAL UNIVERSITY REQUIREMENTS

English Composition E 101-102 ........................................ 3-6
Electives (Area I) ................................................................. 12
General Psychology (Area II) P 101 ....................................... 3
Speech Communication for Teachers (Area II) CM 311 .......... 3
Electives (Area II) ................................................................. 6
Essentials of Chemistry (Area III) C 107, 108, 109, 110 .... 9
Human Anatomy & Physiology (Area III) Z 111-112 ........ 8
Electives (Area II, III) ......................................................... 3-4

PHYSICAL EDUCATION MAJOR REQUIREMENTS

Physical Education Core ....................................................... 27
Nutrition HE 207 ................................................................. 3
Additional Physical Education Courses
Required: PE 228, 230, 305, 311, 402, 451
PE 493 (6 cr), Coaching Methods (4 cr). .......................... 24

TEACHER EDUCATION REQUIREMENTS

TE 201, 381, 481, P 312 ......................................................... 15
Electives .............................................................................. 3
Additional Electives .............................................................. 6
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SECONDARY PHYSICAL EDUCATION OPTION

GRADUATION REQUIREMENTS

GENERAL UNIVERSITY REQUIREMENTS

English Composition E 101-102 ........................................ 3-6
Electives (Area I) ................................................................. 12
General Psychology (Area II) P 101 ....................................... 3
Speech Communication for Teachers (Area II) CM 311 .......... 3
Electives (Area II) ................................................................. 6
Preparation for College Chemistry (Area III) C 103 ........... 1
Essentials of Chemistry (Area III) C 107-109 ..................... 6
Chemistry Lab (Area III) C 108-110 .................................... 3
Human Anatomy & Physiology (Area III) Z 111-112 ........ 8
Electives .............................................................................. 3-4

PHYSICAL EDUCATION MAJOR REQUIREMENTS

Physical Education Core ....................................................... 27
Nutrition HE 207 ................................................................. 3
Additional Physical Education Courses
Required: PE 143, 212, 214, 217, 228, 241, 311
PE 361, 451, Coaching Methods (2 cr) .................................. 16

TEACHER EDUCATION REQUIREMENTS

TE 201, 381, 481, P 312 ......................................................... 15
Electives .............................................................................. 3
Additional Electives .............................................................. 11
________________________________________________________________________ 128

ATHLETIC COACHING OPTION

GRADUATION REQUIREMENTS

GENERAL UNIVERSITY REQUIREMENTS

English Composition E 101-102 ........................................ 3-6
Electives (Area I) ................................................................. 12
General Psychology (Area II) P 101 ....................................... 3
Speech Communication for Teachers (Area II) CM 311 .......... 3
Electives (Area II) ................................................................. 6
Preparation for College Chemistry (Area III) C 103 ........... 1
Essentials of Chemistry (Area III) C 107-109 ..................... 6
Chemistry Lab (Area III) C 108-110 .................................... 3
Human Anatomy & Physiology (Area III) Z 107 ............... 4
Electives .............................................................................. 3-4
Electives (Area II, III) ........................................................... 9

PHYSICAL EDUCATION MAJOR REQUIREMENTS

Physical Education Core ....................................................... 28
Nutrition HE 207 ................................................................. 3
Additional Physical Education Courses
Required: PE 143, 212, 214, 217, 228, 311, 430
PE 493 Coaching Methods (4 cr) ......................................... 15

SCHOOL OF EDUCATION

TEACHER EDUCATION REQUIREMENTS

TE 201, 381, 481, P 312 ......................................................... 15
Electives .............................................................................. 3

SECOND TEACHING FIELD

Department Certification Requirements in Minor Field to be satisfied ................................................................. 12

ELEMENTARY PHYSICAL EDUCATION OPTION

GRADUATION REQUIREMENTS

GENERAL UNIVERSITY REQUIREMENTS

English Composition E 101-102 ........................................ 3-6
Music Fundamentals (Area I) MU 101 .................................... 2
General Psychology (Area II) P 101 ....................................... 3
Child Psychology (Area II) P 311 ........................................... 3
Speech Communication for Teachers (Area II) CM 311 ....... 3
Electives (Area II) ................................................................. 3
Preparation for College Chemistry (Area III) C 103 ........... 1
Essentials of Chemistry (Area III) C 107-109 ..................... 6
Chemistry Lab (Area III) C 108-110 .................................... 3
Human Anatomy & Physiology (Area III) Z 107 ............... 8
Electives .............................................................................. 3-4
Electives (Area II, III) ........................................................... 9

PHYSICAL EDUCATION MAJOR REQUIREMENTS

Physical Education Core ....................................................... 27
Nutrition HE 207 ................................................................. 3
Additional Physical Education Courses
Required: PE 143, 212, 357, 361, 369, 451
PE 493 (3 credits) .............................................................. 14
PE Electives .......................................................................... 4

TEACHERS EDUCATION REQUIREMENTS

TE 201, 291, 381, 461, P 312 ................................................. 21
Additional Electives .............................................................. 13
________________________________________________________________________ 128

ELEMENTARY PHYSICAL EDUCATION MINOR

First Aid PE 105 ................................................................. 2
Gymnastics PE 115 .............................................................. 3
Field Sports PE 117 .............................................................. 1
Basketball & Volleyball PE 143 ............................................ 1
Track and Field PE 212 ......................................................... 1
*Anatomical Kinesiology PE 230 ......................................... 2
*Physiological Kinesiology PE 310 ....................................... 2
Dance for Children PE 367 .................................................. 2
Elementary School Physical Education
Methods PE 361, 367 .......................................................... 3
Perceptual Motor Programs for Kindergarten
& Special Education Teachers PE 369 ............................... 2
Adapative & Corrective Physical Educ. PE 451 ................. 2
Internship PE 493 ............................................................... 3
________________________________________________________________________ 22

ATHLETIC COACHING MINOR

First Aid PE 105 ................................................................. 2
Basic Movement PE 113 ....................................................... 1
Resistive Training and Conditioning
Procedures PE 149 ............................................................. 1
Intro to Athletic Injuries PE 228 .......................................... 2
*Anatomical Kinesiology PE 230 ......................................... 2
*Physiological Kinesiology PE 310 ....................................... 2
Psychology of Activity PE 401 ............................................. 3
Organization & Administration of Athletics PE 430 .......... 2
Coaching Methods ............................................................. 4
Internship PE 493 ............................................................... 3
________________________________________________________________________ 22

HEALTH EDUCATION MINOR

Health Education PE 100 ..................................................... 3
First Aid PE 105 ................................................................. 2
Anatomical and Physiological PE 207 ................................. 4
Nutrition HE 207 ............................................................... 7
Adolescent Psychology P 312 .............................................. 3

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**SCHOOL OF EDUCATION**

- **Personal & Public Health Problems PE 305** .................................................. 3
- **Electives** ........................................................................................................... 6
- **Electives will be chosen from the following courses:**
  - **Drugs — Use and Abuse H 109** .................................................................... 2
  - **Man and the Environment B 200** .................................................................. 3
  - **Intro to Disease Conditions H 203** ............................................................... 3
  - **Chronic Illness: Impact & Outcome H 205** ...................................................... 3
  - **Abnormal Psychology P 301** .......................................................................... 3
  - **Health Delivery Systems H 302** .................................................................... 3
- *** Prerequisite: Z 107 Concepts of Human Anatomy**

**ELEMENTARY PHYSICAL EDUCATION AND COACHING OPTION**

**Suggested Program**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>General Psychology P 101</td>
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<td>Chemistry C 103, 107, 108</td>
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<td>Anatomical Kinesiology PE 230</td>
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<tr>
<td>Intro to Athletic Injuries PE 228</td>
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<td>Principles of Physical Education PE 202</td>
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<tr>
<td>Foundations of Education TE 201</td>
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<tr>
<td>Professional Activities PE 217, 212</td>
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**SOPHOMORE YEAR:**

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<td>Electives (Area II)</td>
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<tr>
<td>Anatomical Kinesiology PE 230</td>
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<tr>
<td>Intro to Physical Education PE 101</td>
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<tr>
<td>Health Education PE 100</td>
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<tr>
<td>Professional Activities PE 113, 115, 117, 143</td>
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<tr>
<td>Electives (Area I)</td>
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</table>

**SECONDARY PHYSICAL EDUCATION AND ATHLETIC TRAINING OPTION**

**Suggested Program**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<td>Chemistry C 103, 107, 109, 110</td>
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<td>Human Anatomy Z 111, 112</td>
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<td>Intro to Physical Education PE 101</td>
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<td>Health Education PE 100</td>
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<td>Professional Activities PE 113, 115, 117, 143</td>
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**SOPHOMORE YEAR:**

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<td>Electives (Area I)</td>
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<td>General Psychology P 101</td>
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<td>Anatomical Kinesiology PE 230</td>
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<td>Intro to Athletic Injuries PE 226</td>
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<td>Principles of Physical Education PE 202</td>
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<td>Foundations of Education TE 201</td>
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<td>Professional Activities PE 217, 218 or 212</td>
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<td>Electives (Area I)</td>
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<tr>
<td>Electives (Area II)</td>
<td>14</td>
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**COURSE OFFERINGS**

**PE PHYSICAL EDUCATION**

**LOWER DIVISION**

- **PE 108 Health Education (3-0-3)**: Covers nutrition, diseases, health needs, services, drugs, family living and personality structure and development. Aids student adjustment toward effective functioning in a changing environment. Required of all PE majors.
- **PE 101 Introduction to Physical Education (1-0-1)**: Orientation for an understanding of what is involved in the profession; duties of physical educators, professional preparation, services rendered, employment opportunities and certification requirements. Required of all PE majors.
- **PE 102 Beginning Kayaking (0-2-1)**: Covers safe handling, self rescue skills and helping or rescuing others. Basic skills of kayaking. Students must be able to maintain themselves in deep water, fully clothed, for 10 minutes.
- **PE 103 Introduction to Recreation (2-0-2)**: Designed to acquaint the student with the growth and development of community recreation and its role in present day society.
- **PE 104 Target and Trap Shooting (0-2-1)**: Fundamental skills of air rifle and shotgun shooting. Sightling procedures, gun parts, care of equipment and safety are stressed. Shotgun trap loading is also taught. Students will furnish shotgun, shells and trap range fees.
- **PE 105 First Aid (2-0-2)**: Immediate and temporary care for a wide variety of injuries and illnesses; control of bleeding, care of poisoning, and proper methods of transportation, splinting and bandaging. Successful completion of course leads to Red Cross standard certificate. Required of all PE majors.
- **PE 108 Adaptive Physical Education (0-2-1)**: Adaptive and corrective exercise programs to aid men or women who are unable to participate in a regular activity class. Course may correct or rehabilitate the physical problem and provide credit the student may not get in the regular program. The course may be repeated for credit.
- **PE 109 Beginning Jogging (0-2-1)**: Instruction and individual participation in beginning endurance running. The student will be pretested and placed into a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardiovascular respiratory system.
- **PE 110 Team Handball (0-2-1)**: Participation in the sport of team handball. Emphasis is placed on the natural skills of running, jumping, throwing and catching. Basic offensive and defensive strategies and rules of the game. 
- **PE 112 Beginning Billiards (0-2-1)**: For the beginning pocket billiards player. Instruction in basic fundamentals: cue selection, grip, stroke, bridge rules, position play and strategy. Class fee is approximately $30.
- **PE 113 Dance (0-2-1)**: Professional activities. Instructions and practice in dance. Required of all PE majors.
- **PE 115 Gymnastics (0-2-1)**: Professional activities. Instruction and practice in gymnastics. Required in some options.
- **PE 117 Field Sports (0-2-1)**: Professional activities. Instruction and practice in field sports. Required in some options.
- **PE 118 Personal Fitness and Weight Control (0-2-1)** (F/S): Introduction to the essential components of total fitness with prescribed fitness programs for individual needs.
- **PE 119 Beginning Aerobic Dance (0-2-1)**: Participation in aerobic dance for the development of cardiovascular and neuromuscular fitness.
- **PE 124 Beginning Racquetball (0-2-1)**: Participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures.
- **PE 125 Bicycle Touring (0-2-1)**: Proper techniques of bicycle touring. Bicycle anatomy, safety, care and maintenance, and riding techniques for fitness and skill are taught. Students must furnish bicycle.
- **PE 126 Beginning Ice Skating (0-2-1)**: Participation in ice skating for development of basic skills. Lab fee.
- **PE 127 Beginning weight Training (0-2-1)**: Men. Participation in progressive bodybuilding and conditioning exercises with resistance for development of beginning skills and fitness.
- **PE 131 Beginning Springboard Diving (0-2-1)**: For the beginning diver. Basic dive movements, proper body alignment, and diving safety. Must be able to swim 50 yards.
- **PE 132 Skin and Scuba Diving (0-2-1)**: Beginning skin and scuba diving skills. Proper use of mask, fins and snorkel, mechanical use of equipment, safety techniques and panic control are stressed. Student must swim 400 yards crawl stroke in 12 minutes, tread water for 15 minutes and carry 10 lb. weight 25 yards. Fee approximately $35.
- **PE 133 Beginning Modern Dance (0-2-1)**: Opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Improvement of flexibility, balance, coordination and relaxation by using modern dance techniques and movement exploration.
- **PE 134 Beginning Backpacking and Camping (0-2-1)**: Fundamental skills in backpacking and overnight camping. Includes choice and care of equipment, camping sites, basic outdoor cooking skills, and ecology in the outdoors. Students will furnish equipment and transportation.
- **PE 135 Beginning Karate (0-2-1)**: Presentation of techniques based on the theory of energy conservation. Exercises coordinating the mental and physical powers possessed by every human being. Students will furnish Gi.
- **PE 136 Flycasting and Stream Strategy (0-2-1)**: Techniques of flycasting, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of catching and releasing of warm water, cold water, and anadromous fishes. Students provide equipment and transportation.
- **PE 137 Beginning Resistance Exercise for Women (0-2-1)**: Participation in resistance exercises for the development of individual fitness.
- **PE 143 Basketball and Volleyball (0-2-1)**: Professional activities. Instruction and practice in basketball and volleyball. Required in some options.
- **PE 145 Conditioning Procedures for Sports (0-2-1)**: Professional activities. Instruction and practice in resistance training activities. Required of all PE majors. Prerequisite: PE 230.
- **PE 152 Beginning Swimming (0-2-1)**: Basic water safety, skills and knowledge; floating, bobbing, diving rhythmic breathing, treading water, and introduction to the crawl, side and elementary backstroke. For students who do not know how to swim.
- **PE 154 Beginning Yoga (0-2-1)**: Gentle yoga exercises of stretching and controlled breathing to promote good health and relief from tension. Emphasis on flexibility, balance, relaxation, meditation, and integration of body and mind.
**SCHOOL OF EDUCATION**

PE 161 Beginning Badminton (0-2-1). Basic skills in badminton to encourage skill development, understanding and appreciation of the game.

PE 164 Beginning Volleyball (COED) (0-2-1). Participation in volleyball for development of fundamental skills, rules, and basic team strategy.

PE 155 Beginning Basketball (0-2-1). Women only. Participation in basketball for development of fundamental skills, rules, and basic team strategy.

PE 166, 167 Varsity Participation (0-2-1). Varsity/Club athletes only. Students may earn a maximum of 2 credits for participation on varsity athletic teams or club sports.

PE 188 Beginning Basketball (0-2-1). Men only. Participation in basketball for development of fundamental skills, rules, and basic team strategy.

PE 189 Beginning Tennis (0-2-1). Participation in tennis for development of fundamental skills, rules, and basic team strategy.

PE 172 Beginning Softball (0-2-1). Participation in softball for development of fundamental skills, rules, and basic team strategy.

PE 173 Beginning Soccer (0-2-1). Men only. Participation in soccer for development of fundamental skills, rules, and basic team strategy.

PE 174 Beginning Judo (0-2-1). Principles and philosophy of judo and techniques of falling, throwing, and grappling. Students furnish Gi.

PE 175 Beginning Self-Defense (0-2-1). Defensive tactics of Aikido, Judo and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Improvement of coordination and condition of the participant. Students furnish Gi.

PE 179 Rugby (0-2-1). Men only. Participation in rugby for development of fundamental skills, rules, and basic team strategy.

PE 180 Beginning Archery (0-2-1). Provides the beginning archer student with fundamental techniques of archery: target, field clout, novelty, etc.

PE 181 Beginning Golf (0-2-1). Participation in golf for development of fundamental skills, rules and proper etiquette of the game. Green fees approximately $10.

PE 183 Beginning Handball (0-2-1). Participation in handball for development of fundamental skills, rules, and basic team strategy.

PE 184 Recreational Dance (0-2-1). Fundamentals of dance including: social (jitterbug, disco, polka, waltz, cha cha and others) folk, square, round dances and mixers.

PE 188 Social Dancing (0-2-1). Basic techniques of social dance, including waltz, cha cha, foxtrot, tango, lindy, and various novelty dances.

PE 189 International Folk Dancing (0-2-1). Techniques and application of basic steps and patterns used in folk dances from different countries.

PE 190 Beginning Bowling (0-2-1). Participation in bowling for development of fundamental skills, rules, handicaps and scorekeeping. Approximate $10 fee.

PE 191 Alpine Skiing (0-2-1). (S). Basic skills and techniques of alpine skiing. Students furnish equipment, transportation, and fee for instruction.

PE 192 Defensive Tactics (0-2-1). Defense against one or more persons, arrest, control devices and individual and group tactics. Students furnish Gi. For crimonomics majors only.

PE 193 Flag Football (0-2-1). (F). Men only. Participation in flag football for development of fundamental skills, rules and basic team strategy.

PE 194 Cross Country Skiing (0-2-1) (S). Basic skills and techniques of cross-country skiing. Students furnish equipment, transportation, and instruction fee.


PE 204 Advanced Weight Training for Competitive Athletes (0-2-1) (F/S). Varisty athletes only. Participation in weight training programs specific to be selected sports.

PE 207 Intermediate Bowling (0-2-1). Participation in bowling for development of intermediate skills and techniques. Required in some options.

PE 208 Beginning Gymnastics (0-2-1). Men only. Participation in gymnastics for development of fundamental skills and spotting and safety techniques.

PE 209 Advanced Self-defense (0-2-1). Advanced defensive tactics of Aikido, Judo and Karate. Coordination of mind and body and non-aggressive application of laws of gravity and force. Students furnish Gi. Prerequisite: PE 179.

PE 210 Advanced Judo (0-2-1). Continuation of principles and philosophy of judo for seeking advanced degrees. Students furnish Gi. Prerequisite: PE 174.

PE 212 Track and Field (0-2-1). Professional activities. Participation in track and field for development of basic skills and techniques. Required in some options.

PE 213 Wrestling (0-2-1). Professional activities. Participation in wrestling for development of basic skills and techniques. Required in some options.

PE 218 Rhythmic Gymnastics (0-2-1). Professional activities. Participation in rhythmic gymnastics for development of basic skills and techniques. Required in some options.

PE 221 Intermediate Springboard Diving (0-2-1) (S). Intermediate dive movements, proper alignment and diving safety. Must be able to swim 50 yards. Prerequisite: PE 131.

PE 224 Intermediate Racquetball (0-2-1). Participation in racquet ball for development of intermediate skills. Prerequisite: PE 124.

PE 225 Golf (0-2-1). Professional activities. Participation in golf for development of basic skills and techniques. Required in some options.

PE 226 Intermediate Ice Skating (0-2-1) (F/S). Participation in ice skating for development of intermediate skills. Required in some options.

PE 227 Intermediate Weight Training (0-2-1) (F/S). Men. Participation in progressive body-building and conditioning exercises with resistance for development of intermediate skills. Prerequisite: PE 127.

PE 228 Introduction to Athletic Injuries (2-0-2). Introduction to athletic training, care, prevention and rehabilitation. Role of the athletic trainer, qualifications and responsibilities as they relate to physical education and athletics. Sophomore standing. Prerequisite: PE 230.

PE 230 Anatomical Kinesiology (2-0-2). Structure and motion capabilities of the human musculoskeletal system; analysis of movement, muscular forces and surface anatomy. Sophomore standing. Prerequisite: C 107, Z 107 or Z 112.

PE 233 Advanced Modern Dance (0-2-1). Participation in advanced modern dance for development of flexibility, balance, coordination and movement control leading to dance choreography and production work. Prerequisite: PE 133.

PE 235 Advanced Karate (0-2-1). Participation in advanced karate for development of advanced skills and techniques. Students furnish Gi. Prerequisite: PE 135.

PE 236 Introduction to Athletic Injuries (2-0-2) (F/S). 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. Prerequisite: PE 133.

PE 237 Intermediate Resistance Exercise for Women (0-2-1) (F/S). Participation in resistance exercises for the development of individual fitness. Prerequisite: PE 137.

PE 241 Tennis and Badminton (0-2-1). Professional activities. Participation in tennis and badminton for development of basic skills and techniques. Required in some options.

PE 253 Beginning Gymnastics (0-2-1). Women only. Basic skills for women on the trampoline, uneven parallel bars, balance beam, vaulting horse and in tumbling.

PE 261 Intermediate Badminton (0-2-1). Participation in badminton for development of intermediate skills and techniques. Prerequisite: PE 131.

PE 264 Intermediate Volleyball (COED) (0-2-1). Participation in volleyball for development of intermediate skills and techniques. Prerequisite: PE 184.

PE 265 Intermediate Basketball (0-2-1) (S). Men only. Participation in basketball for development of intermediate skills and techniques. Prerequisite: PE 165, 168.

PE 269 Intermediate Tennis (0-2-1). Participation in tennis for development of intermediate skills and techniques. Students furnish rackets. Prerequisite: PE 169.

PE 273 Intermediate Gymnastics (2-0-1) (COED). Participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. Prerequisite: PE 208 or PE 253.

PE 277 Advanced Soccer (0-2-1). Men only. Participation in soccer for development of advanced skills, strategies and team play. Prerequisite: PE 173.

PE 277 Advanced Weight Training (0-2-1) (F/S). Men. Participation in progressive bodybuilding and conditioning exercises with resistance for development of advanced skills and fitness. Prerequisite: PE 227.

PE 279 Advanced Folk Dance (0-2-1). Participation in folk dance for development of advanced skills.

PE 281 Intermediate Swimming (2-0-1). Participation in swimming for development of intermediate skills and techniques. Sophomore standing. Prerequisite: PE 152.

PE 282 Advanced Lifesaving (0-2-1). Participation in lifesaving skills. ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 50 yards. Prerequisite: PE 181.


PE 288 Beginning Fencing (0-2-1). Participation in fencing for development of basic skills and techniques.

PE 287 Intermediate Fencing (0-2-1). Participation in fencing for development of intermediate skills and techniques. Introduction to competitive fencing including judging and directing skills. Prerequisite: PE 286.

PE 290 Advanced Bowling (0-2-1). Participation in bowling for development of advanced skills and techniques. Fee approximately $10. Prerequisite: PE 190.

**UPPER DIVISION**

PE 303 Intramurals Organization (3-0-2). Organizing, administering and officiating of intramural programs. Junior standing.

PE 304 Methods for Teaching Physical Education (2-0-2). Purposes and requirements of physical education programs; program planning, methods, and materials of instruction. Professonal activities, 4 hours. Required of all PE majors.


PE 309 Evaluation in Physical Education (3-0-3). Basic mathematical concepts related to statistical analysis, philosophy of evaluation, construction, administration and interpretation of tests. Junior standing. Required of all PE Majors. Prerequisite: PE 304.

PE 310 Physiological Kinesiology (2-0-2). Effects of exercise and training on body systems and preparation of conditioning programs for specific activities. Junior standing. Prerequisite: PE 230.


PE 313 Conditioning Procedures for sports (0-2-1) (F/S). Professional activities. Instruction and practice in all forms of conditioning procedures. (Required of all PE Majors) Prerequisite: PE 310.
DEPARTMENT OF PSYCHOLOGY

Education Bldg., Rm 629  Phone 208/385-1207

Chairman and Professor: Phillips; Professors: Barsness, Callao, Dodson, Ison, Smith, Snow, Thurber, Torbet; Associate Professors: Down, Nelson, Steger, Wilkinson; Assistant Professor: Chastain; Emeritus: Emeritus: Bronson.

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 coursework in psychology are "elective." The student should be aware, however, that even the elective course function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and he should not regard successful completion of that program as a preparation to perform psychological services. Rather, he should think of it as (1) a demonstration of educational attainment, like any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

Psychology social science curriculum minor

(A phase of the Social Science Secondary Education Options in Economics, History, Political Science, and Sociology)

Required

General Psychology P 101  3
Abnormal Psychology P 301  3
Personality P 351  3
Psychology Electives (Upper Division)  6

Certification Requirement

U.S. History  6

Psychology—minor certification endorsement

General Psychology P 101  3
Abnormal Psychology P 301  3
Statistical Methods P 305  3
Personality P 351  3
Psychology Upper Division Electives  9

Any student who is planning a career of counseling in the schools should major either in Elementary Education or in some subject matter area that includes a Secondary Education Option. Psychology courses often are explicitly prescribed parts of such programs; additional courses may be taken as electives.

Every Psychology major must sit for the graduate record examination (Both "Aptitude" and "Advanced") at some time during his senior year and have the results sent to the department.
PSYCHOLOGY MAJOR  
(Suggested Program)

FRESHMAN YEAR:  
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<td>*Experimental Psychology P 321</td>
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<td>Digital Computer Programming EN 104</td>
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<td>Child Psychology P 311</td>
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<td>Adolescent Psychology P 312</td>
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<td>Perception P 341</td>
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<td>*Learning P 441</td>
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<tr>
<td>*Systems Seminar P 489</td>
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<td>Abnormal Psychology P 301</td>
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*Specifically required

COURSE OFFERINGS

PSYCHOLOGY

LOWER DIVISION

P 101 General Psychology (3-0-3) (AREA II). An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided. 

P 105 Career and Life Planning (3-0-3) (FS). Three weeks to each of the following areas: knowing self, the world of work, identifying resources, actual career planning and proposed implementation of career and life plans. Students are expected to participate through interviews, visitations and by arranging for resources pertinent to classroom activities. Pass/fail. Limited enrollment. Cannot be used for Area II. 

P 161 Alertness Training (3-0-3). This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals, and role-playing. Pass/fail. Limited enrollment. Cannot be used to meet Area II requirements. 

P 201 Intro to Practice of Psychology (3-0-3). An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designated for psychology majors but others accepted if they have completed the introductory course. Prerequisite: P 101. 

P 225 Physiological Psychology (3-0-3) (FS). A survey of classical and current problems with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. Prerequisite: P 101, Z 107. 

P 251 Human Sexuality (3-0-3) (FS). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, child birth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included. 

P 281 Death: A Confrontation for Everyone (3-0-3) (FS). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living. 

UPPER DIVISION

(Note: Upper Division Psychology courses are covered for Upper Division students.) 

P 301 Abnormal Psychology (3-0-3). A descriptive approach to the study of etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. Prerequisite: P 101. 

P 305 Statistical Methods (3-0-3) (FS). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. Prerequisite: M 115. 

P 311 Child Psychology (3-0-3). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Prerequisite: P 101. 

P 312 Adolescent Psychology (3-0-3). Chronologically a continuation of child psychology P 311; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Prerequisite: P 101. 

P 321 Experimental Psychology (3-4-4) (FS). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data, reporting of behavioral research. Prerequisite: P 305 and M 115-116. 

P 323 Educational Psychology (3-0-3). A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: P 101. 

P 341 Perception (3-0-3) (S). A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structures and neural pathways is included. Prerequisite: P 101. 

P 351 Personality (3-0-3) (F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. Prerequisite: P 101. 

P 353 Psychoanalytic Psychology (3-0-3) (S). Human emotion and motivation from the points of view of Freudian theory and its derivatives. Suggested companion course—early either or late—P 351. Prerequisite: P 101. Alternate years. 

P 357 Peer Counseling: The Helping Relationship (3-0-3) (FS). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. Prerequisite: P 101. 

P 371 Social Psychology of Sex Roles (3-0-3) (S). This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. Prerequisite: P 101 or SO 101 and Upper Division status. 

P 401 Senior Review Practicum (3-0-3) (FS). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. Prerequisite: Senior or 2nd semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST. 

P 403 Advanced Statistical Methods (3-0-3) (S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measure designs) and related trend tests, multiple comparison tests, and multiple correlation techniques. Preference to psychology majors who are planning to go on to graduate school. Prerequisite: P 305. 

P 421G Psychological Measurement (3-0-3) (F). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: P 101, M 115,116 and P 305. 

P 431 Social Psychology (3-0-3) (F). The influence of social and cultural factors on individual behavior, perception, and attitudes—including the effects of groups on their members. This course may be taken for either psychology or sociology credit but not for both. Prerequisite: P 101 or SO 101 and Upper Division status. 


P 441 Learning (3-0-3) (F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, role learning, problem solving, memory, discrimination, and motor skills. Prerequisite: P 101, M 115-116, P 305, P 321, may be taken before or concurrently with P 441. 

P 489 Systems Seminar (3-0-3) (S). Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. Prerequisite: Senior standing in Psychology. 

P 495 Senior Thesis (3-0-3) (F). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrolling. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychologically to practical problems. Recommended for psychology students planning on graduate school. Prerequisite: P 101, M 115-116, P 305, P 321, PERM/INST. 

P 496 Senior Internship (1-0-0). An advanced experience in psychology secured through a placement in a professional setting related to the student's career goals. Credit is contingent on the satisfactory completion of the internship. Prerequisite: Senior status.
DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE

Education Bldg., Rm. 205  Phone 208/385-3602
Chairman and Professor: John H. Jensen; Professors: Beitala, Bieter, Bullington, Dahlberg, Frederick, Friedli, Hart, Hill, Kirtland, Marks, Tucker, Young; Associate Professors: Bowman, Hess, Lambert, Martin, Sadler, Singh, Waite; Assistant Professors: Brownsmith, French, Lyons, Munns, Schlaefle.

The Department of Teacher Education and Library Science at Boise State University exists to improve instruction and enhance learning. The faculty believes this can best be accomplished through emphasis upon the preparation of elementary and secondary school teachers, and the provision of advisory and substantive services to persons who have instructional responsibilities or who wish to improve their learning skills.

To realize this principle the faculty members exemplify instructional excellence, remain current in their fields, and contribute to the knowledge about instruction and learning.

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education and Library Science in the total preparation of elementary and secondary school teachers and librarians.

The Department of Teacher Education and Library Science 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 the Idaho State Board of Education. The Department has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the Humanities and in the Social and Natural Sciences. Students also receive special preparation for the particular kind of educational work they plan to do.

MAJORS

Elementary:
Bachelor of Arts in Bilingual/Multicultural Elementary Education
Bachelor of Arts in Elementary Education
Options: Emphases are available in Early Childhood Education and Special Education; a minor is available in Library Science

Secondary: No secondary degrees are offered through the Department; students seeking secondary certification complete a Bachelor's degree in a content area and take professional secondary option coursework in the Department of Teacher Education and Library Science.

Graduate: A variety of elementary and secondary Master's programs are available through the Department. Check the Graduate School portion of the Catalog for details.

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 should 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 and Library Science. These requirements include:

1. Filing of the Admission to Teacher Education, or its equivalent.
2. A minimum grade of C in TE 201, Foundations of Education, or its equivalent.
3. Prior to registration in secondary or elementary methods courses and student teaching, students must demonstrate written and oral English proficiency. Written proficiency is determined by the English Qualifying Examination administered in TE 201, Foundations of Education. Students who do not pass the examination will be advised as to specific weaknesses and appropriate remediation. They will be given two retake opportunities. The first retake shall be completed within one calendar year of the first test; the second retake shall be completed no sooner than four months after the first retake. Students must provide evidence that the remediation suggestions have been followed. Transfer students must make arrangements with the Coordinator of Field Services to complete the examination. Oral English proficiency is demonstrated in an oral presentation and class participation in TE 201, Foundations of Education. Students who do not pass the oral proficiency will be advised as to specific weaknesses and what steps must be taken for remediation.
4. Any deviations from the preceding policy must be approved by the Chairman 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 Office of Field Services, Department of Teacher Education and Library Science, by the following deadlines:
1. March 1 of the Junior year for fall secondary student teachers and fall/spring elementary student teachers.
2. October 1 of the Senior year for spring secondary student teachers and spring/fall elementary student teachers.

Application forms may be picked up from the Office 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 Teacher Education.
b. Recommendation by the faculty advisor or Department chairman.
c. A cumulative grade point average of 2.50.
d. Elementary Curriculum and Methods, TE 451,452, taken concurrently with or prior to student teaching.
e. Student teaching to be completed during 2 consecutive semesters.

NOTE: An Early Childhood course must be taken prior to or concurrently with Student Teaching in a Kindergarten Classroom.

f. Senior standing.

NOTE: Deviations from the above requirements must be approved by the chairman of the Department of Teacher Education and Library Science.
2. SECONDARY OPTIONS
a. Admission to Teacher Education.
b. Completion of an Early School Experience, either in a subject matter area or arranged through the TE 201, Foundations of Education instructor.
c. Recommendation by the faculty advisor or the Department chairman.
d. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the Education courses completed.
e. A minimum cumulative grade point average of 2.50.
f. Satisfactory completion (minimum grade of C) of TE 381, Secondary School Methods, and the appropriate class or classes in Special Methods for the teaching area.
g. Senior standing.
h. Sufficient credit hours in the assigned teaching area.

*Students with Secondary Options who are planning to graduate by the spring of 1982, may choose to fulfill the student teaching requirements as outlined in the 1980-81 BSU Catalog.

C. Student teachers are expected to do responsible teaching, participate in cocurricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their University supervisors.

D. Students who transfer to Boise State University must meet requirements for admission to Teacher Education and Student Teaching, and complete at least 6-9 semester hours at the University before being placed in Student Teaching.

E. Student Teaching can only be taken once (refer to PART II, ACADEMIC INFORMATION—Academic Regulations).

ELEMENTARY EDUCATION MAJOR
Bachelor of Arts Degree

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the chairman of the Department of Teacher Education and Library Science consisting of general and professional Education courses.

A. General University Requirements for BA Degree

1. English Composition E 101-102
   Note: E 101 may be exempt.

B. Area I Requirements

1. Literature (to include American Literature E 271 or 272)
2. Second Field Electives (may be in Performance Field)
3. Third Field Electives
   NOTE: Choose Second and Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts and Foreign Language (102 or higher).

C. Area II Requirements

1. U.S. History HY 151, 152, 251 or 252
2. Geography GG 101
3. Oral Communication Elective (CM 311 or 312)
4. Psychology P 101
5. Area II Electives
   NOTE: For certification purposes, Elementary Education majors must complete a total of 12 semester hours in Social Science areas other than Psychology and Communication.

D. Area III Requirements

1. A year's sequence chosen from:
   Biological Sciences B 101, 102
   Physical Science PH 101, 102
   With additional credits from a field other than that chosen to satisfy sequence requirements, OR
2. Any 3 of the following courses:
   Biology B 100
   Chemistry C 100
   Geology GO 100

SCHOOL OF EDUCATION

Mathematics M 100
Physical Science PS 100
Physics (Astronomy PH 105)

NOTE: Elementary Education major must have courses in both Biological Science and Physical Science.

E. Professional Education Requirements

1. 100 LEVEL
   a. Early School Experience TE 171
   b. Mathematics for Elem. Teachers M 103-104
   c. Music Fundamentals MU 101

2. 200 LEVEL
   a. Foundations of Education TE 201
   b. Teaching Beginning Reading K-3, TE 206
   c. Teacher Aide Practicum TE 271
   d. Education of the Exceptional Child TE 291

3. 300 LEVEL
   a. Reading in the Content Subjects TE 307
   b. Music Methods for the Elementary School Teacher MU 371
   c. Elementary School Art Methods AR 321
   d. Elementary School Physical Educ. PE 361
   e. Children's Literature LS 316
   f. Educational Psychology P 325
   g. Child Psychology P 311

4. 400 LEVEL
   b. Elem. Curriculum & Methods II TE 452
   c. Elementary School Media I TE 411
   d. Elementary School Media II TE 411
   e. Elementary Student Teaching TE 471
   f. Elementary Student Teaching TE 472 OR
   g. Senior Seminar Elementary Educ. TE 498
   h. Senior Seminar Elementary Educ. TE 499

Suggested Program

FRESHMAN YEAR: 1ST SEM. 2ND SEM.

English Composition E 101-102 3 3
Concepts of Biology B 100 4 4
Physical Science C 100, GO 100, PS 100 or PH 105 4 4
Early School Experience TE 171 3 3
General Psychology (Area II) P 101 3 3
Elem. Mathematics for Teachers M 103, 104 4 4
Intro to Geography GG 101 3 3
Music Fundamentals MU 101 2 2
Electives (Area I) 3 3
17 17

SOPHOMORE YEAR:
Survey of American Literature E 271 or 272 3 3
U.S. History HY 151, 152, 251 or 252 3 3
Teaching Beginning Reading K-3, TE 206 3 3
Teacher Aide Practicum TE 271 2 2
Education of the Exceptional Child TE 291 3 3
Electives (Area II, III) 8 7
16 16

JUNIOR YEAR:
Reading in the Content Subjects TE 307 3 3
Elem. School Art Methods AR 321 3 3
Music Methods for the Elementary School Teacher MU 371 2 2
Elem. School Physical Educ. PE 361 2 2
Educational Psychology P 325 3 3
Children's Literature LS 316 3 3
Class in Oral Communication 3 3
Electives (consider Elem. Specialty) 5 8
16 16

SENIOR YEAR:
Child Psychology P 311 3 3
Elementary School Media I TE 410 1 1
SCHOOL OF EDUCATION

ELEMENTARY BILLINGUAL/MULTICULTURAL MAJOR
Bachelor of Arts Degree

LANGUAGE COMPONENT

ENGLISH
Required:
- English Composition E101,102 3

TOTAL LANGUAGE COMPONENT English
Monolinguals: 42
Bilinguals 30

SPANISH
Required:
- English Monolinguals:
  - Elementary Spanish S 101, 102 8
  - Intermediate Spanish S 201, 202 8

Spanish/English Bilinguals:
- Spanish for the Native Speaker S 203 4

ALL STUDENTS
- Spanish Conversation & Comp. S 303, 304 6
- El Espanol Vernacular S 205 2
- Teaching Spanish as a First Language in the Elem. School S/TE 409 3
- Panorama de la Tradicion Cultura Mexicana/Americana S 378 3

TOTAL LANGUAGE HOURS FOR ENGLISH MONOLINGUALS 30
TOTAL LANGUAGE HOURS FOR BILINGUALS 18

Elective:
- Espanol Avanzado S 411 3
  Placement into the proper course will be made on the basis of placement test results in consultation with the Foreign Language placement advisors. Credit for previous work may be gained through regular University challenge procedures.

LINGUISTICS
Required:
- Intro to Language Study LI 305 3
- Applied Linguistics in English as a Second Language (ESL) LI 407 3

ENGLISH
Required:
- English Composition E 101, 102 6

TOTAL LANGUAGE COMPONENT — English Monolinguals 42
Bilinguals 30

MULTICULTURAL COMPONENT

Required:
- Survey of American Literature E 271 or 272 3
- Mexican American Literature S 425 3

Introduction to Multi-Ethnic Studies SO 230 3
History of Minorities in the U.S. HY 261 3
Intercultural Communications CM 351 3
Cultural Anthropology AN 202 3

Two multicultural courses to be selected from Anthropology, History, Political Science, Sociology, or Spanish offerings.

NOTE: Check with advisor for acceptable courses.

REQUIRED MULTICULTURAL COMPONENT 24

SCIENCE COMPONENT

Required:
- Mathematics for Elem. Teachers M 103, 104 8
- Concepts of Biology B 100 4

Choose one of the following:
- Concepts of Chemistry C 100 4
- Fundamentals of Geology GO 100 4
- Foundations of Physical Science PS 100 4

REQUIRED SCIENCE COMPONENT 16

PROFESSIONAL REQUIREMENTS

GENERAL EDUCATION:
- Elementary School Art Methods AR 321 3
- Children's Literature LS 316 3
- Music Fundamentals MU 101 2
- Public School Music MU 371 2
- General Psychology P 101 3
- Child Psychology P 311 3
- Elementary School Physical Educ. PE 361 3

TOTAL GENERAL EDUCATION 19

TEACHER EDUCATION
- Early School Experience TE 171 1
- Foundations of Education TE 201 3
- Teacher Aide Practicum TE 271 2
- Reading in the Content Subjects TE 307 3
- Teaching Reading & Language Arts in the Bilingual Classroom TE 453 3
- Teaching Content in the Bilingual Classroom TE 454 3
- Elementary Student Teaching in the Bilingual Classroom TE 474, 475 10
- Conflict in the Educational System TE 498 2

TOTAL TEACHER EDUCATION 27

TOTAL PROGRAM HOURS — ENGLISH Monolinguals 128
Bilinguals 116

NOTE: Sufficient additional electives must be completed to meet the 128-hour graduation requirement.

Suggested Program

FRESHMAN YEAR:
- "Elementary Spanish S 101 4
- General Psychology P 101 3
- English Composition E 101 3
- Mathematics for Elem. Teachers M 103 4
- Music Fundamentals MU 101 2

TOTAL 16

- "Elementary Spanish S 102 4
- Mathematics for Elem. Teachers M 104 4
- English Composition E 102 3
- Concepts of Biology B 100 4
- Early School Experience TE 171 1

TOTAL 17

SOPHOMORE YEAR:
- "Intermediate Spanish S 201 4
- Intro to Multi-Ethnic Studies SO 230 3
- Fundamentals of Geology GO 100 OR
- Foundations of Physical Science PS 100 4
- Cultural Anthropology AN 202 3
- Foundations of Education TE 201 3

TOTAL 17

- "Intermediate Spanish S 201 OR
- Spanish for Native Speakers S 203 4
- Survey of American Literature E 271-272 3
- History of Minorities in U.S. HY 261 3
- Teacher Aide Practicum TE 271 2
- El Espanol Vernacular S 205 2
- Reading in Content Subjects TE 307 3

TOTAL 17
**JUNIOR YEAR:**

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<tr>
<td>Elementary School Physical Educ. PE 381</td>
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<td>Spanish Conversation &amp; Composition S 304</td>
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<td>Child Psychology P 311</td>
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<tr>
<td>Children's Literature LS 316</td>
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<tr>
<td>Public School Music MU 371</td>
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<tr>
<td>Intercultural Communication CM 351</td>
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**SENIOR YEAR:**

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<tr>
<td>Teaching Reading &amp; Language Arts</td>
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<tr>
<td>Elementary Class TE 453</td>
<td>3</td>
</tr>
<tr>
<td>Panorama de la Tradicion Cultura</td>
<td></td>
</tr>
<tr>
<td>Mexican/ Americana S 378</td>
<td>3</td>
</tr>
<tr>
<td>Conflict in Educational System TE 489</td>
<td>2</td>
</tr>
<tr>
<td>Elementary Student Teaching Bilingual Classroom TE 475</td>
<td>5</td>
</tr>
<tr>
<td>Mexican American Literature S 425</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Content Areas in Bilingual Classroom TE 454</td>
<td>3</td>
</tr>
<tr>
<td>Applied Linguistics in English as a Second Language Li 407</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
</tbody>
</table>

*Required of monolingual students; bilingual students may replace with electives depending on results of English and Spanish proficiency tests.

**AREAS OF SPECIALTY**

Students in Education may select an area of specialty as a phase of the Elementary Education major or Secondary Option in subject areas. Areas of specialty are: Elementary 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. Child Behavior in Early Childhood Educ. TE 461 \( \ldots \) 3
2. Curriculum in Early Childhood Educ. TE 452 \( \ldots \) 3
3. Individualizing Instruction in Early Childhood Education TE 464 \( \ldots \) 3
4. Creating Materials in Early Childhood Education TE 465 \( \ldots \) 3
5. Elementary Student Teaching at the Kindergarten Level TE 472 \( \ldots \) 5

**B. Elective Courses (minimum of 4 credit hours)**

1. Dance for Children PE 357 \( \ldots \) 2
2. Perceptual Motor Programs for Kindergarten & Special Educ. Teachers PE 389 \( \ldots \) 2
3. Education of the Exceptional Child TE 291 \( \ldots \) 3
4. Techniques in Student Motivation & Classroom Management TE 371 \( \ldots \) 3
5. Diagnosis of Mildly & Moderately Handicapped TE 430 \( \ldots \) 3

**LIBRARY SCIENCE**

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, Reference, and Bibliography. Students must be able to type.

Up to 6 semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of Educational Media for the purpose of meeting the requirements for the endorsement:

- Philosophy of Education
- Educational Administration
- Curriculum Design or Development
- Pedagogy or Methods of Instruction
- Educational Psychology or Theory of Learning
- Child or Adolescent Psychology
- Communications
- Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the Library 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 in the area who are unable to afford graduate library schools:

- Introduction to Use of Books & Libraries LS 101 \( \ldots \) 2
- Library Organization and Administration LS 301 \( \ldots \) 3
- References and Bibliographies LS 311 \( \ldots \) 3
- Children's Literature LS 316 \( \ldots \) 3
- Basic Book Selection LS 321 \( \ldots \) 3
- Cataloging and Classification LS 331 \( \ldots \) 3
- Audio Visual Aids in Education TE 358 \( \ldots \) 3
- Literature for the Adolescent LS 341 \( \ldots \) 3

**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 in Special Education, thereby providing continuity and elimination of possible obstacles. Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major of 30 credit hours in the desired area of certification.

**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 (24 Credit Hours)**

a. Education of the Exceptional Child TE 291 \( \ldots \) 3
b. Techniques in Student Motivation & Classroom Management TE 371 \( \ldots \) 3
c. Diagnosis of the Handicapped TE 430 \( \ldots \) 3
d. Remediation of Mildly & Moderately Handicapped TE 431 \( \ldots \) 3
e. Instructional Materials for the Exceptional Child TE 291 \( \ldots \) 3
f. Elementary Student Teaching in Special Education TE 473 \( \ldots \) 5
g. Senior Seminar in Elementary Special Education TE 498 \( \ldots \) 2

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2. Elective Courses (minimum 6 credit hours)
   a. Corrective Reading in the Elem. School TE 358 ............ 3
   b. Behavior Intervention Techniques TE 450G ............... 3
   c. Teaching Strategies for Behavior Disorders TE 425 ........ 3
   d. Curriculum in Early Childhood Educ. TE 462 ............ 3
   e. Individualizing Instruction in Early Childhood Education TE 464 .................. 3
   f. Independent Study in Mental Retardation TE 469 ........... 3

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 (21 Credits)
   a. Education of the Exceptional Child TE 291 ............... 3
   b. Techniques in Student Motivation & Classroom Management TE 371 ............ 3
   c. Diagnosis of the Handicapped TE 430 ...................... 3
   d. Teaching the Moderately & Severely Handicapped TE 423G .............. 3
   e. Elementary Student Teaching in Special Education Classroom TE 473 .......... 5
   f. Senior Seminar in Special Education TE 499 ............... 2
   g. Motor Programming for Kindergarten and Special Education Teachers PE 357 ......... 2
   h. Motor Programming for Kindergarten and Special Education Teacher PE 369 ......... 2

2. Elective Courses (minimum 9 Credits)
   a. Instructional Materials for the Exceptional Child TE 440 .............. 3
   b. Teaching Strategies for Behavior Disorders TE 425 .............. 3
   c. Behavior Intervention Techniques TE 450G ............ 3
   d. Curriculum in Early Childhood Educ. TE 463 ............... 3
   e. Individualizing Instruction in Early Childhood Education TE 464 .................. 3
   f. Independent Study in Mental Retardation TE 469 ........... 3
   g. Dance for Children PE 357 .................................. 2

CERTIFICATION REQUIREMENTS FOR ELEMENTARY EDUCATION

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education.
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 the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

NOTE: Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

A. Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the Department subject area specialization and the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

B. A standard secondary certificate may be issued by the State Board of Education to any person of good moral character who has a Bachelor's degree from an accredited college or university and meets the following requirements:

Idaho requires a minimum of 20 semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These basic requirements are translated into the following required Boise State University courses.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Single</th>
<th>Composite</th>
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</thead>
<tbody>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subjects TE 307</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Educating Exceptional Secondary</td>
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<tr>
<td>Students TE 333</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Educational Psychology P 325</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Secondary School Methods TE 381</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Special Methods required by Major</td>
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<tr>
<td>Department</td>
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<tr>
<td>Student Teacher Alternatives</td>
<td>9</td>
<td>14</td>
</tr>
<tr>
<td>(See Below)</td>
<td>25</td>
<td>30</td>
</tr>
</tbody>
</table>

Student Teaching Alternatives

1. Single Alternatives
   a. Junior High/Middle School Student Teaching TE 484 ............ 8
   b. Senior High School Student Teaching TE 483 ................ 8
   c. The Junior High/Middle School TE 486 ...................... 1
   d. The Senior High School TE 487 ......................... 1

2. Composite Alternative
   a. The Junior High/Middle School TE 482 .................... 1
   b. Composite-Junior High/Middle School Student Teaching TE 484 .... 6
   c. Composite-Senior High School Student Teaching TE 485 ........ 6
   d. The Senior High School TE 467 .......................... 1

NOTE: The above alternatives all lead to a standard secondary certificate (grades 7-12), and offer a variety of student teaching experiences. Alternative "1.a." provides for a Junior High/Middle School experience. Alternative "1.b." provides for a Senior High School Experience. Alternative "2." provides for a combination of Junior High/Middle School and Senior High School experiences. Students should consider alternative "2." if their teaching fields are applicable to both the junior and senior high school level. It is highly desirable to discuss such alternatives with the major advisor and with a member of the Secondary Education faculty in the Department of Teacher Education and Library Science well in advance of applying for student teaching.

Students may complete the student teaching requirements in either the fall or spring semester of their senior year. The ad-
visor should be consulted as to the better time based upon offerings in the major field and other considerations.

Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of Teacher Education and Library Science. See ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES for specifics regarding student teaching.

C. To be recommended for certification from Boise State University, the student must complete the Secondary Option degree program within a selected department. Such completion represents a major certification endorsement (at least 30 credit hours) in a teaching field. It is highly recommended that the student complete a minor certification endorsement of at least 20 credit hours in another field as an additional minor certification endorsement enhances the opportunity for employment.


D. A listing of the Boise State University minor certification endorsements is included for the convenience of students:

**Requirements for Minor Certification Endorsements**

**NOTE:** Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Field Services for further information.

**ART:**
- Introduction to Art AR 103 .................. 3
- Basic Design AR 105-106 ................. 4
- Drawing AR 111, 112 .................. 2
- Painting AR 113, 114 .................. 2
- 2 hours from: Sculpture, Metalsmithing
- Ceramics, Methods in Craft .................. 2
- Electives from 100-400 Regular Courses .......... 7
- Suggested Electives: Art History, Lettering, Photography, Printmaking, Weaving, and those listed above .................. 20

**BIOLOGY:**
- Essentials of Chemistry C 107 ............. 3
- Chemistry Laboratory C 108 .................. 1
- Essentials of Chemistry C 109 ............. 3
- Chemistry Laboratory C 110 .................. 2
- General Biology B 101-102 ............. 8
- Genetics B 343 .................. 3
- Genetics Laboratory B 344 .................. 1
- Microbiology B 205 .................. 4

**BUSINESS EDUCATION:**
(No Minor Certification Endorsement)

**CHEMISTRY:**
- 100 Level General Chemistry Courses .......... 8-10
- Organic Chemistry Courses ............. 5
- Additional Courses in Analytical, Physical, Inorganic or Biochemistry ............. 4
- Mathematics to the M 111 Algebra and
- Trigonometry Level .................. 5

**COMMUNICATION:** (Speech)
- Fundamentals of Speech CM 111 ............. 3
- Reasoned Discourse CM 112 ............. 3
- Communication Process CM 221 ............. 3
- Speech-Communication for Teachers CM 311 ............. 3
- Methods of Teaching Communication CM 401 ............. 3
- Electives selected from ............. 5

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Mass Communication CM 171 ............. 3
Oral Interpretation CM 241 ............. 3
Communication in the Small Group CM 251 ............. 3
Interviewing CM 307 ............. 2
Message Analysis and Criticism CM 331 ............. 3
Non-Verbal Communication CM 341 ............. 2
Intercultural Communication CM 351 ............. 3

**CONSUMER EDUCATION:**
(See Business Education Department)
- Consumer in the Marketplace HE 250 ............. 3
- Principles of Economics EC 201-202 ............. 6
- Personal Finance and Investments FI 108 ............. 3
- Money and Banking EC 301 ............. 3
- Basic Marketing Management MK 301 ............. 3
- Consumer Education in Schools BE 411 ............. 3

**EARTH SCIENCE:**
- Physical Geology GO 101 ............. 4
- Historical Geology GO 103 ............. 4
- Introduction to Ocean Geology GO 201 ............. 3
- Introduction to Meteorology GO 213 ............. 3
- Introduction to Descriptive Astronomy PH 105 ............. 3
- Electives selected from ............. 3
- Geology of Idaho & Pacific NW GO 111 ............. 3
- Mineralogy GO 221 ............. 4
- Geomorphology GO 313 ............. 3
- Invertebrate Paleontology Physics of
- the Earth GO 351 ............. 3
- Environmental Geology GO 511 ............. 3

**ECONOMICS:**
- Principles of Macroeconomics EC 201 ............. 3
- Principles of Microeconomics, Micro EC 202 ............. 3
- Intermediate Microeconomics EC 303 ............. 3
- Intermediate Macroeconomics EC 305 ............. 3
- Upper Division Economics Courses ............. 9

**ENGLISH:**
- Advanced Composition ............. 3
- Linguistics .................. 3
- Survey of American Literature E 271 or 272 ............. 3
- Teaching English Composition E 301 OR
- Methods of Teaching Secondary
- School English E 381 ............. 3
- Lower Division Literature E 230, 235, 240, 260, 215 ............. 6
- Upper Division Literature ............. 6

**FOREIGN LANGUAGE:**
**French:**
- Demonstrate competency equivalent to the completion of Elementary French F 101-102, and Intermediate French F 201-202, by completing the courses or by examination.
- Complete 21 Upper Division Credits
- French Composition & Conversation F 303-304 ............. 6
- French Culture & Civilization F 376-377 ............. 6
- Teaching Methodology in Foreign Language FL 412 ............. 3
- French Literature ............. 6
- Competency Examination Required ............. 21

**German:**
- Demonstrate competency equivalent to completion of Elementary German G 101-102, and Intermediate German G 201-202, by completing the courses or by examination.
- Complete 21 Upper Division Credits
- Advanced German Conversation &
- Composition G 303-304 ............. 6
- German Culture & Civilization G 376-377 ............. 6
- Teaching Methodology in Foreign Language FL 412 ............. 3
- Upper Division German Literature ............. 6

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SCHOOL OF EDUCATION

Spanish:
Demonstrate competency equivalent to completion of Elementary Spanish S 101-102, and Intermediate Spanish S 201-202, by completing the courses or by examination.
Complete 23 Upper Division Credits
Advanced Spanish Conversation and Composition S 303-304 ..................................... 6
Cultura y Civilizacion Espanola y Hispano-Americana S 376-377 ........................................ 6
Applied Linguistics S 410 ........................................................................................................... 2
Teaching Methodology in Foreign Language FL 412 ............................................................... 3
Upper Division Spanish Literature .............................................................................................. 6
Competency Examination Required ......................................................................................... 23

GEOGRAPHY:
Introduction to Geography GG 101 ................................................................. 3
Cultural Geography GG 102 ..................................................................................................... 3
Upper Division Geography (minimum) ..................................................................................... 6
Geography Courses (minimum) ................................................................................................. 8

GENERAL SCIENCE:
Complete the basic sequence of courses in
B 101-102 or BT 130 and Z 130 ........................................................................................................ 8-9
Chemistry C 107, 108, 109, 110 ........................................................................................................ 9
Geology GO 101-103 ...................................................................................................................... 8
Physics PH 101-102 ....................................................................................................................... 8

HEALTH EDUCATION:
Health Education PE 100 ............................................................................................................ 3
First Aid PE 105 ............................................................................................................................. 2
Anatomy and Physiology ZO 107 ................................................................................................... 4
Nutrition HE 207 ............................................................................................................................ 3
Adolescent Psychology P 312 ......................................................................................................... 3
Personal & Public Health Problems PE 305 .................................................................................. 3
Electives from the following:
Drugs, Use and Abuse H 109 ......................................................................................................... 2
Man and the Environment B 200 ................................................................................................. 3
Intro to Disease Conditions H 203 .............................................................................................. 3
Chronic Illness: Impact & Outcome H 205 .................................................................................. 3
Abnormal Psychology P 301 ......................................................................................................... 3
Health Delivery Systems H 302 .................................................................................................... 3

HISTORY:
Lower Division ............................................................................................................................. 12
U.S. History HY 151-152 or Problems in U.S. History HY 251-252 .............................................. 6
Western Civilization or Problems in Western Civilization HY 101-102-103 .............................. 3
American Government (State-Required) .................................................................................... 3
Upper Division Courses to include 3 credit hours of U.S. History with remaining 9 credit hours
selected from 2 or 3 major History areas (U.S., European, Third World) .............................................. 12

MATHEMATICS:
Digital Computer Programming M 122, 124 ........................................................................... 2
Calculus M 204, 211 ..................................................................................................................... 5
Calculus M 205, 212 ..................................................................................................................... 4-5
At least 1 of the following .............................................................................................................. 3-4
Introduction to Abstract Algebra M 302 ...................................................................................... 3
Number Theory M 306 .................................................................................................................. 3
Foundations of Geometry M 311 .................................................................................................... 3
Fundamentals of Statistics M 361 .................................................................................................. 4
Electives to complete 20 hours ..................................................................................................... 6-4

MUSIC:
Instrumental Track:
Materials of Music MU 119-120 ................................................................................................. 8
Ear Training MU 121-122 ............................................................................................................. 2
Introduction to Music MU 133 ..................................................................................................... 3

Basic Conducting MU 261 ......................................................................................................... 1
Orientation to Music Education MU 271 ..................................................................................... 1
1 year Applied Music .................................................................................................................... 4
1 year Major Performance Ensemble ........................................................................................... 2
String Instrument Methods & Techniques MU 257 ....................................................................... 2
Woodwind Methods & Techniques MU 266 ............................................................................... 2
Instrumental Conducting MU 366 ................................................................................................ 1
Percussion Methods & Techniques MU 368 ............................................................................... 2
Brass Methods & Techniques MU 369 ......................................................................................... 2
Band & Orchestra Methods & Materials MU 387 ........................................................................ 2

Choral Track:
Materials of Music MU 119-120 ................................................................................................. 8
Ear Training MU 121-122 ............................................................................................................. 1
Introduction to Music MU 133 ..................................................................................................... 3
Vocal Techniques MU 256 ............................................................................................................ 2
Basic Conducting MU 261 ......................................................................................................... 1
Orientation to Music Education MU 271 ..................................................................................... 1
1 year Applied Music (Major Instrument) ................................................................................... 4
1 year Major Performance Ensemble ........................................................................................... 4
1 year Applied Music (Voice or Piano) ......................................................................................... 4
Choral Conducting MU 365 ......................................................................................................... 1
Choral Methods and Materials MU 385 ....................................................................................... 2

PHYSICAL EDUCATION:
Elementary Physical Education:
First Aid PE 105 .......................................................................................................................... 2
Gymnastics PE 115 ........................................................................................................................ 1
Field Sports PE 117 ........................................................................................................................ 1
Basketball and Volleyball PE 142 .................................................................................................. 1
Track and Field PE 212 ................................................................................................................ 1
Anatomical Kinesiology PE 230 .................................................................................................... 2
Physical Kinesiology PE 310 .......................................................................................................... 2
Dance for Children PE 357 ........................................................................................................... 2
Motor Programming for Kindergarten and Special Education Teachers PE 399 ......................... 2
Elementary School Physical Educ: Methods PE 381 .................................................................... 3
Adaptive & Corrective Physical Educ. PE 451 ............................................................................. 3
Internship PE 493 .......................................................................................................................... 3

Secondary Physical Education:
Health Education PE 100 ............................................................................................................. 3
First Aid PE 105 ............................................................................................................................ 2
Basic Movement PE 113 ................................................................................................................. 1
Gymnastics PE 115 ........................................................................................................................ 1
Field Sports PE 117 ........................................................................................................................ 1
Resistive Training & Conditioning Procedures PE 149 ................................................................. 1
Principles of Physical Education PE 202 ...................................................................................... 2
Track and Field PE 212 ................................................................................................................ 1
Anatomical Kinesiology PE 230 .................................................................................................... 2
Methods for Teaching Physical Educ. PE 304 .............................................................................. 2
Physiological Kinesiology PE 310 ................................................................................................ 2
Organization and Administration of Physical Education PE 457 .................................................. 3
Internship PE 493 .......................................................................................................................... 3

PHYSICS:
General Physics PH 101-102 ........................................................................................................ 8
Introduction to Descriptive Astronomy PH 105 .......................................................................... 4
Introduction to Biophysics PH 207 ............................................................................................... 4
Technical Drawing EN 101 OR Engineering Fundamentals EN 107 ............................................ 2
Digital Computer Programming EN 104 ..................................................................................... 2
Math Skill Equivalent to M 111 .................................................................................................... 5

POLITICAL SCIENCE:
American National Government PO 101 .................................................................................... 3
Contemporary Political Ideologies PO 141 .................................................................................... 3
Comparative European Governments and Politics PO 229 ......................................................... 3
International Relations PO 231 .................................................................................................... 3

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American History ............................................ 6
Political Science Electives (Upper Division) .............. 3

PSYCHOLOGY:
General Psychology P 101 .............................................. 3
Abnormal Psychology P 301 .............................................. 3
Statistical Methods P 362 .............................................. 3
Personality P 351 ....................................................... 3
Psychology Upper Division Electives ......................... 9

SOCIETY:
Introduction to Sociology SO 101 .............................. 3
Social Statistics SO 310 .............................................. 3
Social Research SO 311 .............................................. 3
History of Sociology SO 401 OR ................................. 3
Current Sociological Perspectives SO 402 .................. 3
Sociology Electives .................................................... 9

THEATRE ARTS:
Technical Theatre TA 117-118 .............................. 8
Acting TA 215 ......................................................... 3
Major Production Participation TA 331 ..................... 1
World Drama TA 341, 342, 353 ................................. 3
Directing TA 491 ....................................................... 3
Theatre History TA 421 or 422 ................................. 3

SPECIAL EDUCATION
Students wishing to pursue a program leading to certification as a Special Education teacher will need to arrange consultation with a Special Education faculty member in the Department of Teacher Education and Library Science. The student wishing to pursue such a plan should investigate this option as early as possible since a minimum of thirty (30) credits will be required in the program leading to certification.

GRADUATE PROGRAMS IN EDUCATION
A Master of Arts in Elementary Education is offered through the Department of Teacher Education and Library Science. The candidate may select from five areas of emphasis: (1) Curriculum and Instruction, (2) Content Enrichment, (3) Early Childhood, (4) Reading, and (5) Special Education. The specifics of the programs are presented in the Graduate School Section of this Catalog.

A Master of Arts/Science in Secondary Education is offered by the Department of Teacher Education and Library Science in cooperation with participating departments of the University. The areas of emphasis are: Art, Business Education, Earth Science, English, History, Mathematics, and Music. The specifics of the programs are presented in the Graduate School Section of this Catalog.

SERVICES
PLACEMENT
A teacher Placement Service is provided by the Boise State University Career and Financial Services Office. Check with the Director regarding eligibility to use this service and procedures for doing so.

READING EDUCATION CENTER
The Center provides special services for University and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

COURSE OFFERINGS
LS LIBRARY SCIENCE

LOWER DIVISION
LS 101 Introduction to Use of Books and Libraries (2-0-3) (F). Teaches efficient use of library materials, card catalog, indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshmen, sophomores, and new students. Recommended for education majors.

LS 102 Basic Library Skills (2-0-3) (F). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past.

UPPER DIVISION
LS 301 Library Organization and Administration (3-0-3) (F). An introduction to the development, organization, and management of all types of libraries with emphasis on the school library and its place in the institutional program.

LS 311 References and Bibliographies (3-0-3) (F). Introduction to the principles and techniques of reference work; the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries. Especially recommended for secondary teachers.

LS 316 Children's Literature (3-0-3) (FS). Selection, wide reading, and evaluation of books appropriate for children, including emphasis upon the interests and needs of ethnic minorities. Required of elementary education majors and elementary school librarians. Recommended for public librarians, parents, and all who work with children.

LS 321 Basic Book Selection (3-0-3) (S). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of books and non-book materials. Includes discussions of discarding and weeding, and materials for slow and gifted readers. Especially recommended for secondary teachers.

LS 323 Cataloging and Classification (3-0-3) (S). Introduction to the theory and principles of cataloging and classification, practice in using the Dewey Decimal Classification, in preparing catalog cards and in the ordering and use of Wilson and Library of Congress printed cards; assigning of subject headings and library filing.

LS 341 Literature for Adolescents (3-0-3) (S). Reading and appraisal of literature appropriate to the needs, interests, and abilities of young people, including emphasis upon the needs of ethnic minorities. Recommended for librarians, high school teachers, and others interested in working with young adults. Prerequisite: 3 credits of lower division literature.

COURSE OFFERINGS
TE TEACHER EDUCATION

LOWER DIVISION
TE 108 Efficient Reading and Effective Study Skills (2-0-2) (FS). Develops the reading and study skills of the college student. Areas covered are organized study techniques, taking exams, building vocabulary, comprehending reading material, gaining main ideas, using the library, and reading rapidly and flexibly.

TE 171 Early School Experience (1-1-1) (FS). An experience in a school classroom, involving observation and assistance to the teacher. Requires a minimum of 20 hours in the classroom and periodic seminars with a university instructor. Program is coordinated by the Department of Teacher Education and Library Science. Required of all elementary education majors.

TE 291 Foundations of Education (3-0-3). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include social, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.

TE 236 Teaching Beginning Reading, K-3 (3-0-3) (FS). Explores the professional responsibilities of the reading teacher, synthesizes current approaches to beginning reading instruction, and provides knowledge and skills for implementing reading instruction from kindergarten through grade three.

TE 271 Teacher Aide Practicum (1-3-2) (FS). Provides an opportunity for students to become familiar with practical problems of teaching. Includes two one-hour orientation meetings, seminars with a university professor and 40 hours of "aiding" experience in an elementary, special education, or pre-school classroom. Prerequisite: TE 171.

TE 291 Education of the Exceptional Child (3-0-3). All areas of exceptionality will be explored as to the educational and psychological needs of these children. Implications for the cooperative involvement of the public school system and other community agencies will be included in attempting to investigate all alternatives to the education of the exceptional. Prerequisite: TE 171.

UPPER DIVISION
TE 297 Reading in the Content Subjects, Elementary and Secondary Levels (3-0-3) (FS). Provides an understanding of reading as a communication skill, and stresses the responsibilities of teachers to teach the vocabulary of their specific discipline. Focuses upon the commonality of reading and study skills in all content subjects and the application of appropriate skills to the various content fields.

TE 333 Educating Exceptional Secondary Students (1-0-1) (FS). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed upon classroom teaching and the enhancement learning by special instruction.

TE 336 Production of Audio Visual Materials (3-2-2) (FS). Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in operating the equipment involved.

TE 338 Corrective Reading (3-0-3) (SSU). A study of reading difficulties of elementary and secondary school pupils with emphasis upon diagnosis, and upon materials and methods of teaching. Opportunity is offered to consider learning disabilities related to
SCHOOL OF EDUCATION

Ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. Prerequisite: TE 204.

TE 371 Techniques in Student Motivation and Classroom Management (3-0-3) (FS). An overview of behavior perceived as inappropriate to the effectiveness of the regular and special classroom, the possible causes of such behavior, and the alternatives of attempting to change the behavior. The course is also related to techniques for motivating the child toward appropriate goals. Skills related to parent consultation with parent conferences will also be introduced.

TE 381 Secondary School Methods (3-0-3). A study of the secondary school including methods of instruction. The course will be taken prior to student teaching. Prerequisite: TE 201. Admission to Teacher Education.

TE 393 Beginning Driver Education (2-1-2) (F). Designed to aid teachers in the instruction toward appropriate goals. Skills related to parent consultation with parent conferences, and administrators. Prerequisite: TE 393.

TE 395 General Safety Education (3-0-3). Provides a comprehensive survey of general safety education. Applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the school's role in safety relative to other public and private agencies.

TE 410 Elementary School Media I (1-1-1) (F). First semester of two semesters. Emphasizes media production for the elementary teacher and basic experiences in the areas of illustration, preservation, lettering, and coloring of instruction materials in addition to the operation of audio-visual equipment commonly found in the elementary classroom.

TE 411 Elementary School Media II (1-1-1) (S). Second semester of two semesters. Designed to give elementary teachers experience in the production and utilization of instructional material and audio-visual equipment. More advanced skills are taught in the areas of illustration, preservation, lettering, coloring, and photography. Prerequisite: TE 410.

TE 421 Teaching Strategies for the Mentally Retarded (3-0-3) (S). Survey and identification of teaching methods utilized in classroom teaching of all levels of retardation. Prerequisite: TE 209.

TE 422 Curriculum for the Moderately Severely Handicapped (3-0-3) (F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severely emotionally disturbed will be studied in this course.

TE 423 Teaching the Moderately and Severely Handicapped (3-0-3) (S). This course is designed to assist students in gaining skills necessary for teaching the moderately and severely handicapped student. Preparation of instructional materials and skills relative to research in this area will be given high priority. Students will be required to read recent literature and participate in classroom activity. Prerequisite: TE 422.

TE 423 Teaching Strategies for Behavior Disorders (3-0-3). Provides strategies for instructing students with behavior disorders. Students will examine research, participate in classroom projects, and field test preferred curriculum models. Prerequisite: TE 430 or PERMINST.

TE 424 Diagnosis of the Handicapped (3-0-3) (F). Provides for the development of skills in identification and diagnosis of students referred for evaluation.

TE 431 Remediation of the Mildly/Moderately Handicapped (3-0-3) (S). Provides the participants with an opportunity to develop the necessary skills in remedial planning for the exceptional student, through the development of long term objectives and the individual instructional plan required for effective remediation. Prerequisite: TE 430 or PERMINST.

TE 440 Instructional Materials for the Exceptional Child (3-0-3) (F). Development of techniques in the evaluation and utilization of instructional materials and equipment by teachers working with exceptional children will be the emphasis of this course. A survey and analysis of those materials available in the Boise State Curriculum Resource Center as well as those available in local school districts will provide the materials base.

TE 450 Behavior Intervention Techniques (3-0-3) (S). This course is designed for teachers, counselors, and administrators to gain an understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be made upon the Learning Theory Model. Development of an individual behavior plan to deal with the relationship of behavior to the environment will be stressed. Prerequisite: TE 291.

TE 451 Elementary Curriculum and Methods I (5-0-5) (F). The first semester of Elementary Curriculum and Methods with an emphasis upon language arts and mathematics. However all aspects of curriculum are included. Prerequisite: TE 171, 271, 201, Corequisite: TE 411, 471, 498. Also offered summers, every year.

TE 452 Elementary Curriculum and Methods II (5-0-5) (S). The second semester of Elementary Curriculum and Methods with an emphasis on social studies and science. However all aspects of curriculum are included. Corequisites: TE 472, 473, 499. Also offered summers, odd years.

TE 453 Teaching Reading and Language Arts in the Bilingual Classroom (3-0-3). Development of a language arts program for reading instruction in bilingual classrooms. Prerequisite: TE 201, 202, 281. Corequisite: TE 424. May be taken concurrently with TE 453 or TE 454. Prerequisite: S 202, TE 453, TE 454.

TE 455 Seminar in the Bilingual Classroom (3-0-3) (S). This course includes instructional strategies and techniques in mathematics, science and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English language. Prerequisite: S 101, 102, 217, 292 or S 202. Prerequisite: S 203.

TE 461 Child Behavior in Early Childhood Education (3-0-3) (S). The influence of home and school environments will be examined in relation to child behaviors. The role of play, emotions, concept formation, and personality development will be emphasized. Special interest areas such as sex education, moral development, parent-child relations and multi-cultural education will be explored. Prerequisite: TE 452. Corequisite: TE 455.
TE 499 Senior Seminar Elementary/Special (2-0-2) (FS). Designed to assist prospective elementary or special education teachers in effectively dealing with problems associated with teaching. An indepth consideration of interpersonal communication, ethical behavior, special resources, professional associations, and controversial issues in teaching takes place with the clinic professor in intensive workshops and seminars. Corequisite: TE 472 or TE 473.

GRADUATE COURSES
(See Graduate School Section for course descriptions)

TE 501 Advanced Practices and Principles of Teaching Reading (3 credits). Each semester and summer.

TE 502 Diagnosis of Reading Problems (Directed Experiences In the Reading Center) (3 credits). Fall semester and summer. 1

TE 503 Remediation of Reading Problems (Directed Experiences In the Reading Center) (3 credits). Spring semester and summer.

TE 504 Seminar in Reading Education (3 credits). Fall semester and summer.

TE 505 Individual Test and Measurements (3 credits). Spring semester.

TE 507 Relating Reading Processes to Secondary School Subjects (3 credits). Fall semester.

TE 508 Teaching Reading in the Secondary School (3 credits). Spring semester.

TE 510 Advanced Practices and Principles in Teaching Social Science (3 credits). Fall semester.


TE 512 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3 credits). Fall.


TE 514 Teaching Skills for Remediation of Learning Disabled Students (3 credits). Fall Semester.

TE 515 Teaching Gifted and Talented Students (3 credits). Spring Semester.

TE 516 Development of Skills for Teaching Moderately/Severely Handicapped (3 credits). Spring semester.

TE 518 Techniques for Creative Writing in Elementary Schools (3 credits). Spring semester.

TE 519 Children’s Literature, Advanced Level (3 credits). Spring semester.

TE 520 Educational Media (3 credits). Summer.

TE 522 Individualization of Reading Instruction (3 credits). Spring semester and summer.

TE 523 Emotionally Disturbed Child in the Classroom (3 credits). Fall semester and summer.

TE 531 Education for the Culturally Different Learner (3 credits). Spring semester.

TE 541 Education in Emerging Nations (3 credits). Fall semester.

TE 543 Research and Review in Early Childhood Education (3 credits). Spring.

TE 544 Advancing Physical and Intellectual Competencies in Early Childhood Education (3 credits). Spring.

TE 545 Creativity in Early Childhood Education (3 credits). Fall.

TE 546 Diagnosis and Evaluation in Early Childhood Education (3 credits). Spring.

TE 547 Language Acquisition and Development in Early Childhood Education (3 credits). Fall.

TE 548 Program Development in Early Childhood Education (3 credits). Fall.

TE 551 Fundamentals of Educational Research for Teachers (3 credits). Fall semester.

TE 555 Supervision in Schools (3 credits). Spring semester.

TE 559 Values and Ideologies in Education (3 credits). Spring.

TE 563 Conflicting Values Influencing Education (1 credit). Summer.

TE 564 Creative Teaching — Secondary School (1 credit). Summer.

TE 565 Learning Theory and Classroom Instruction (1 credit). Summer.

TE 567 Teaching Subject Content Through Reading (1 credit). Summer.

TE 568 Techniques of Classroom Management (1 credit). Summer.

TE 569 Teaching Subject Content Through Reading (1 credit). Summer.

TE 570 Graduate Core-Issues in Education (3 credits). Summer.

TE 571 Graduate Core-Directed Writing (3 credits). Summer.

TE 573 Creative Teaching — Elementary School (1 credit). Summer.

TE 581 Curriculum Planning and Implementation (3 credits). Spring.

TE 590 Practicum in Special Education (4 credits). Each semester and summer.

TE 591 Practicum in Special Education (6 credits). Each semester and summer.

TE 593 Thesis (6 credits). Each semester and summer.
PART VII

SCHOOL OF HEALTH SCIENCES

Dean: Victor H. Duke, PhD
Health Sciences Building

The School of Health Sciences is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and learning.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional coursework and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the University.

ADVISORY COUNCIL
AND ADJUNCTIVE FACULTY

Sister Beverly Ann Nelson, CSC, MBA, Chairman of Advisory Council
David M. Barton, MD
Bee Biggs, RN, FNP
Robert W. Matthies, MD
Blake Morgan

Armand L. Bird
M. M. Burkholder, MD
Joseph J. Callanan, MD
James B. Hammarsten, MD
Edith Miller Klein, JD

Clayton C. Morgan, MD
Velma Morrison
Mary Nelson, RN
Leonard O. Thompson

CLINICAL AFFILIATES

Ada County Council on Alcoholism, Boise, Idaho
Boise Convalescent Center, Boise, Idaho
Boise Valley Sunset Home, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Health Clinics, Inc., Nampa, Idaho
Grand Oaks Health Care Center, Boise, Idaho
Headstart, El-Ada Community Action, Boise, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
Nampa Convalescent Center, Nampa, Idaho
Saint Alphonsus Hospital, Boise, Idaho
St. Luke's Regional Medical Center, Boise, Idaho
St. Mary's School, Boise, Idaho
State Hospital South, Blackfoot, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho
SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF ALLIED HEALTH STUDIES

Allied Health Faculty Building
2268 University Drive
Phone 208/385-3383

Chairman and Associate Professor: Conrad Colby, RRT.

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.

Baccalaureate degrees are offered in Health Science Studies, Medical Technology (MT), and Radiologic Technology (RD). Associate degrees are offered in Medical Record Science (MR), Radiologic Technology (RD), Respiratory Therapy (RT), and Medical Office Assistant.

HEALTH SCIENCE STUDIES

BACHELOR OF SCIENCE

The Bachelor of Science degree in Health Science provides 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 premedical and predental programs.

1. Requirements:

| Area I Requirements | 12 |
| Area II Requirements | 12 |
| Mathematics | 10 |
| College Chemistry | 9 |
| Organic Chemistry with Laboratory | 10 |
| Biochemistry with Laboratory | 4 |
| General Zoology | 4 |
| General Botany | 4 |
| Cell Biology | 3 |
| Bacteriology | 5 |
| Physiology Z 401, 409 | 4 |

| Mathematics M 115-116 or M 111, 204 | 5 |
| English Composition E101-102 | 6 |
| Electives (Area I or II) | 12 |

2. Science Electives (6 courses)

| General Physics or Biophysics | 4 |
| Genetics | 3 |
| Histology | 4 |
| Quantitative Analysis with Laboratory | 5 |
| Pathogenic Bacteriology | 4 |
| Vertebrate Embryology | 4 |
| Parasitology | 3 |
| Comparative Anatomy | 4 |
| Physical Chemistry | 8 |

| General Zoology Z 130 | 4 |
| Cell Biology B 225 | 3 |
| Bacteriology B 303 | 5 |
| General Botany BT 130 | 4 |
| Human Physiology Z 401 | 4 |
| Health Science Electives | 6 |
| Electives | 3 |

3. Health Science Electives (minimum of 3 courses)

| Health Delivery Systems | 3 |
| Basic Legal Concepts for Health Practitioners | 3 |
| Medical Terminology | 3 |
| Medical Economics and Finance | 3 |
| Public Health Administration | 3 |
| Preprofessional Internship | 2 |

| Free electives | 13-15 |

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4. Free electives

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MEDICAL TECHNOLOGY PROGRAM

Allied Health Faculty Bldg.
Phone 208/385-3383

Associate Professor: Conrad Colby, RRT; Advisor: Ellis, Fuller; Adjunctive Faculty: Beals, MT (ASCP), Day, MD, Kopper, MT (ASCP), Perotto, MT (ASCP), Roberts, MD.

The Medical Technologist performs many routine and specialized tests in the clinical laboratory for the purpose of developing data which may be used by a physician in determining the presence and extent of disease, as well as implications as to the cause of disease. The many tests and procedures performed and supervised by the Medical Technologist in the clinical laboratory include the major areas of hematology, serology and immunology, chemistry, blood banking, microbiology and parasitology, urinalysis, histology, and cytology.

A bachelor of science degree comprised of courses prescribed by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association is a criterion for admission to many professional schools of Medical Technology. The schools of Medical Technology at Saint Alphonsus Hospital in Boise, Idaho and at St. Luke’s Regional Medical Center in Boise, Idaho, require that students have a baccalaureate degree for admission. The Health Sciences studies baccalaureate degree listed immediately above includes the prescribed courses.

Individual hospital schools of Medical Technology may or may not require a baccalaureate degree for admission. Those which do not will consider students who have completed at least 96 credits of basic sciences and general education courses prescribed by CAHEA. These courses are listed under requirements for Medical Technology major.

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

| Suggested Program |
|---|---|
| FRESHMAN YEAR: |
| 1ST SEM. | 2ND SEM. |
| English Composition E 101-102 | 3 |
| College Chemistry C 131 | 3 |
| College Chemistry Laboratory C 132 | 1 |
| College Chemistry C 133 | 3 |
| College Chemistry Laboratory C 134 | 2 |
| Mathematics M 115-116 or M 111, 204 | 5 |
| General Botany BT 130 | 4 |
| Area I or Area II | 3 |

| 15 | 17 |

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Suggested Program
Students have the responsibility of applying directly to hospital schools for admission to a professional program in Medical Technology.

Upon admission to an affiliated hospital school which is approved and accredited by CAHEA the student may register for and earn an additional 32 credits for Medical Technology Clinical Class and Practice (MT 487-488-489) and a baccalaureate degree in Medical Technology.

Medical Technology Clinical Class and Practice (MT 487-488-489) is a 12-month course of study comprising the following subjects taught as part of the hospital program:

- Hematology .................................. 6
- Clinical Bacteriology ......................... 8
- Clinical Parasitology ........................ 1
- Urinalysis .................................... 1
- Clinical Chemistry ............................ 8
- Immunohematology ............................ 3
- Serology-Immunology ......................... 2
- Toxicology .................................... 1
- Clinical Mycology ............................. 1
- Clinical Correlations Seminar .............. 32

COURSE OFFERINGS

MT MEDICAL TECHNOLOGY

MT 201 Basic Medical Technology (2-0-2) (S). Even-numbered years. Introduces 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.

MT 487 Clinical Class and Practice (175 Hr/Sem—700 Hr/Sem—14 Cr) (F). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MT 488 Clinical Class and Practice (175 Hr/Sem—700 Hr/Sem—14 Cr) (S). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MT 489 Clinical Class and Practice (32 Hr/Sem—218 Hr/Sem—4 Cr) (SU). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MEDICAL OFFICE ASSISTANT PROGRAM

Health Sciences Bldg. Phone 208/385-1130

Acting Director: Elaine Rockne, RRA

The Medical Office 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 medical office assistant to fulfill the role of contact between the patient and physician. This will include skills in Communication, Interpersonal Relations, Medical Ethics, and the legal aspects of patient care. Completing these courses will enhance sensitivity to the special needs of the patient and family.

ASSOCIATE DEGREE

(Suggested Program)

1ST SEM. 2ND SEM.

FRESHMAN YEAR:

- English Composition E 101-102 .................. 3 3
- Business Math/Machines OA 115 ................. 3
- Concepts of Anatomy & Physiology Z 107 ....... 4
- Beginning & Int. Typewriting OA 105, 107 .... 2 2
- Beginning & Int. Shorthand OA 101, 121 ....... 4 4
- Medical Terminology H 101 ........................ 3
- Electives ...................................... 3

16 15

SOPHOMORE YEAR:

- General Psychology P 101 ........................ 3
- Advanced Shorthand OA 201 ........................ 3
- Applied Business Communication OA 238 ....... 4
- Introduction to Business GB 101 ................. — 3
- Records Preparation & Management OA 309 .... 3
- Intro to Financial Accounting AC 205 ......... 3
- Advanced Typewriting OA 209 ................... 2

15 15

MEDICAL RECORD SCIENCE PROGRAM

Health Sciences Bldg. Phone 208/385-1130

Director and Instructor: Elaine Rockne, RRA; Clinical Coordinator and Assistant Professor: Carol Seddon, RRA. Advisory Board: Judith Bartz, RRA; Pat Brizee, RRA; Patricia Kemper, ART; James Meade, PhD; Lorraine Schimmels, ART; Jana Schoelkoph, ART; Kathy Seeborg, ART; Leonard Thompson, MBA.

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.

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.

Any student who fulfills the University entrance requirements is eligible to enter the first semester of the program.

To continue in the program, students must:

1. Complete the first semester with a GPA of 2.00 or higher.
2. Make an appointment for an interview with the program director before midterm of spring semester of the first year.
3. Fill out and return to the Medical Record Program Office (H-210) a "Special Programs Application for the Department of Allied Health Studies" on or before March 1 of the year in which the student wishes to enter the second year of the program. The application is available in the program director's office. Applicants will be notified of their status by April 25. Due to the small number of available clinical sites, the program can accept only a limited number of students each year.
4. Have adequate health status to ensure successful performance of hospital activities.

PROMOTION AND GRADUATION

1. Students must maintain a GPA of at least 2.00 in order to enter the second year of the program.
2. A grade of less than C in any professional course, numbered H or MR, must be repeated and raised to C or higher before continuing in the program.
3. Students who complete all course requirements with a GPA of 2.00 or higher qualify for graduation.

CURRICULUM

1ST SEM. 2ND SEM.

FRESHMAN YEAR:

- English Composition E 101-102 .................. 3 3
- Human Anatomy & Physiology Z 111, 112 ....... 4 4
- Introduction to Allied Health H 100 ............. 1
- Intermediate Algebra M 108 ..................... 4
- Medical Terminology H 101 ........................ 3
- Introduction to Medical Records MR 115 ....... 3

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SCHOOL OF HEALTH SCIENCES

Health Data MR 205 ........................................ 3
Elective (Area I) .................................................. 3
............................................................................. 15 16

SOPHOMORE YEAR:

Medical Records I MR 201, 202 ....................... 5
Diagnostic and Operative Coding MR 207 .......... 3
Disease Conditions I H 211 .......................... 3
Health Delivery Systems H 302 .................. 3
Elective (Area II) ............................................. 3
Medical Records II MR 203, 204 .................. 5
Health Record Transcription MR 208 .......... 2
Basic Legal Concepts for Health Practitioners 210 . 3
Disease Conditions II H 212 ....................... 2
Intro to Data Processing DP 210 OR ....... 2-3
First Course in Programming M 122 ........... 17 15-16

After the 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.

Clinical Practice MR 215 (Summer) ............ 2

 COURSE OFFERINGS

MR MEDICAL RECORDS

MR 115 Introduction to Medical Records (3-0-3) (S). Principles of Medical Record Technology, the professional organizations, medical record practitioners, and the content of the hospital chart. Prerequisite: MR 201. Corequisite: PERM INST.

MR 201 Medical Records I (3-0-3) (F). Preparation, analysis, preservation and retrieval of health information. The value of this information to the patient, the doctor, and the community. Prerequisite: MR 115. Corequisite: MR 202.

MR 202 Medical Records I Laboratory (0-4-2) (F). Practice in the various methods of nursing, filing, and retrieving health records. Prerequisite: MR 201. Corequisite: MR 204.

MR 203 Medical Records II (3-0-3) (S). Quality assurance, computer applications, basic principles of supervising and managing a medical record department. Prerequisite: MR 201. Corequisite: MR 204.

MR 204 Medical Records II Laboratory (0-4-2) (S). Observation of record keeping practices in non-hospital settings, as well as practice in quality assurance and computer activities. Corequisite: MR 203.

MR 205 Health Data (3-0-3) (S). Collection and presentation of routine data for daily, monthly and annual hospital statistical reports. Formulas, preparation of birth certificates and abstracting data for the computer. Prerequisite: MR 201. Corequisite: PERM INST.

MR 207 Diagnostic and Operative Coding (3-0-3) (F). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. Prerequisite: PERM/INST.

MR 208 Health Record Transcription (0-4-2) (S). Machine transcription of histories, physical examinations, operations, and other medical dictation. Typing ability is required. Prerequisite: H 101.

MR 215 Clinical Practice (0-2-2) (SU). During the summer following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology.

RADIOLOGIC TECHNOLOGY PROGRAM

Student Health Bldg.
Phone 208/385-1996

Director and Associate Professor: Duane Akroyd, RTR; Clinical Coordinator and Instructor: Rex Profit, RTR; Medical Director: James Mack, MD; Instructors: Kraker, RTR; Munk, RTR; Profit, RTR; Adjunctive Faculty: Champion, RTR; Crew, RTR; Hollingsworth, RTR; Advisory Board: Lyle Barnes, RT; Carolyn Beaman, RT; David W. Bennett, MD; Cleo Champion, RT; Charles Howard, RT; Dean Jacobsen, RT; James Mack, MD; Donald Rau, MD.

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 Radiology Department of hospitals or with doctors who maintain private practices.

The Radiologic Technology Program in the Department of Allied Health Studies offers a curriculum utilizing both University and clinical components. This type of integrated program is needed so that students may gain the essential knowledge and skills required to become Radiologic Technologists.

The program has been granted full accreditation by the Committee on Allied Health Education and Accreditation of the American Medical Association. 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

A. Freshman Core Year
1. See University Admission Policy.

B. Sophomore Year
1. Only students who have completed or are in the process of completing the freshman curriculum with a GPA of 2.00 or higher will be considered for acceptance into the sophomore year of the Radiologic Technology Program.
2. Health status must be adequate to insure successful performance of hospital activities.

APPLICATION PROCESS

A. Freshman Year
1. See University Requirements.

B. Sophomore Year
1. All students must fill out and return to the Radiologic Technology Program 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 sophomore year.
2. Applicants will be notified of their status by April 25. Due to the limited number of clinical sites, the program can accept only a limited number of students each year.
3. Applicants are required to have an interview during the spring semester of the freshman year. Contact the program director for specific dates.

PROMOTION AND GRADUATION

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, RD) or clinical unit must be repeated and raised to a C or higher before continuing the program.

Suggested Program

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<td>FRESHMAN YEAR:</td>
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<td>English Composition E 101-102</td>
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<td>Human Anatomy &amp; Physiology Z 111, 112</td>
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<tr>
<td>Medical Terminology H 101</td>
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<td>Essentials of Chemistry C 107</td>
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<td>Essentials of Chemistry Lab C 108</td>
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<td>Mathematics M 108</td>
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<td>Intro to Allied Health H 100</td>
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<td>General Psychology P 101</td>
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<td>Electives (Area I)</td>
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*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.

SOPHOMORE YEAR:

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<td>Clinical Practicum RD 211, 221</td>
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<td>Radiographic Positioning RD 222</td>
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<td>Radiographic Techniques &amp; Control RE 226</td>
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<td>Electives (Area II)</td>
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<td>Intro to Radiologic Science RD 232</td>
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<td>Intro to Clinical Experience RD 238</td>
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<tr>
<td>Radiographic Positioning RD 242</td>
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<td>Clinical Experience RD 285</td>
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<td>Electives (Area I)</td>
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SUMMER:

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<td>Clinical Experience RD 375</td>
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</table>

JUNIOR YEAR:

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<tr>
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<tbody>
<tr>
<td>Clinical Practicum RD 311, 321</td>
<td></td>
</tr>
<tr>
<td>Radiographic Positioning II RD 316</td>
<td>4</td>
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<tr>
<td>Special Radiographic Procedures RD 390</td>
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</tbody>
</table>
Medical & Surgical Diseases RD 350 ........................................ 3 —
Clinical Experience RD 385, 395 ........................................ 6 6
Seminar in Radiologic Science RD 336 ................................. 2 —
Radiographic Positioning IV RD 320 .............................. — 2
Electives (Area I) .......................................................... — 3
Electives (Area II) ........................................................ 3 —
SUMMER: Clinical Experience RD 397 ................................. — 5

BACCALAUREATE DEGREE CURRICULUM

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/university program, or have permission from the program director.

1ST SEM. 2ND SEM.
INTRO TO BUSINESS GB 101 ........................................ 3 —
Principles of management MG 301 ................................. 3 —
Elective (Area II) ........................................................ 3 —
Management of Radiology Service RD 400, 401 ............... 3 3
Imaging Modalities RD 402 ........................................... 3 3
Elective (Area I) ........................................................ 3 —
Human Resource Management MG 401 .................. — 3
Interviewing CM 307 .................................................. — 3
Implications of Medical Radiation RD 404 ................. 3 —
Teaching Techniques in Radiological Science RD 406 ... — 3
Radiographic Quality Assurance ................................ 3 —
18 18

COURSE OFFERINGS

RD RADIOLOGIC TECHNOLOGY

LOWER DIVISION

RD 211 Clinical Practicum (0-3-1) (F). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 222. Corequisite: RD 222

RD 212 Clinical Practicum (0-3-1) (S). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. Corequisite: RD 222.

RD 222 Radiographic Positioning I (4-0-3) (F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. Corequisite: RD 211.

RD 226 Radiographic Technique and Control (3-0-3) (F). Factors that affect the production of x-ray images: i.e., contrast, density, x-ray film, darkroom chemistry and procedures, cassettes, beam filtration, x-ray tube operation. Prerequisites: Z 111 and Z 112. Corequisite: RD 222.


RD 285 Radiologic Technology Clinical Practicum (0-240-4) (S). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. Prerequisite: RD 285.

RD 295 Radiologic Technology Clinical Experience (0-300-5) (S). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skill, 40% exams in special procedures, and 50% continued competency exam list. Prerequisite: RD 285.

RD 321 Clinical Practicum (0-3-1) (S). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 320. Corequisite: RD 320.

RD 335 Seminar in Radiologic Sciences (4-0-4) (S). Analysis of new radiographic imaging system, dental radiography, advances in x-ray tube technology, radiation biology, review of literatures and presentations on topics in radiologic science. Prerequisites: RD 316, RD 350, RD 360. Corequisite: RD 320.

RD 350 Medical and Surgical Diseases (3-0-3) (F). General survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis on how pathology is demonstrated on radiographs and its effect on radiographic quality. Prerequisite: RD 252. RD 242.

RD 360 Special Radiographic Procedures (4-0-4) (F). Fundamental concepts of the more specialized radiographic examinations with emphasis on studies of the nervous and circulatory systems.

RD 375 Radiologic Technology Clinical Experience (0-300-5) (SU). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. Prerequisite: RD 285.

RD 385 Radiologic Technology Clinical Experience (0-360-6) (F). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skill, 40% exams in special procedures, and 50% continued competency exam list. Prerequisite: RD 375.

RD 395 Radiologic Technology Clinical Experience (0-360-6) (SU). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skill, 40% exams in special procedures, and 50% continued competency exam list. Plus rotation in minor affiliates.

RD 397 Radiologic Technology Clinical Experience (0-300-5) (S). Supervised clinical hospital experience. Students rotate through several minor affiliates and complete a minimum 20% of continued competency exam list. Prerequisite: RD 322.

RD 400 Management of a Radiology Department (3-0-3) (F). Introduction to the set up and operation of a radiology department including design principles and sources for equipment and supplies. Structural and shielding requirements will be discussed. Prerequisites: PERM/INST.

RD 401 Management of a Radiology Service (3-0-3) (S). Applied principles and techniques of record management and supervision. Includes departmental administration of records, equipment, personnel and budgets. Prerequisite: RD 400, PERM/INST.

RE 402 Imaging Modalities in Radiology (3-0-3) (F). Discussions of various imaging modalities including thermography, xeroradiography, ultrasound, electronic imaging and nuclear medicine. General operative procedures will be covered along with economic impact and use consideration. Prerequisite: PERM/INST.

RE 404 Implications of Medical Radiation (3-0-3) (F). A detailed examination of the various types of radiation used in medicine today. Emphasis will be on their physical, biological and economic implications. Prerequisite: PERM/INST.

RE 406 Teaching Techniques in Radiologic Sciences (3-0-3) (S). Introduces the student to basic teaching methodologies and techniques with emphasis given to radiologic technology. Essentials of accreditation as well as program budgeting will be reviewed. Prerequisite: PERM/INST.

RD 408 Radiographic Quality Assurance (3-0-3) (S). Provides skills required for conducting and managing a radiographic quality assurance program. Includes demonstrations and performances with the RMI quality assurance kit. Prerequisite: RD 285. Dealing with special techniques of a daily photographic quality assurance will be introduced. Prerequisite: PERM/INST.

RESPIRATORY THERAPY PROGRAM

2668 University Drive Phone 208/385-3383
Director and Assistant Professor: Lonny J. Ashworth, RRT; Clinical Coordinator and Instructor: Keith B. Hopper, RRT; Medical Director: David K. Merrick, MD; Associate Professor: Colby, RRT; Jensen, RRT; Adjunct Faculty: Albright, RRT; V. Ashworth, RN; Gable, RCPT; Gossi, RRT; Hammarsten, MD; Knight, MD; Meade, PhD; Priest, MD; Rickes, MD; J. W. Smith, MD; Torrington, MD; Advisory Board: Alan Albright, RRT; George Burger, RRT; Jeanne Deaver; Shirley Gossi, RRT; James F. Hammarsten, MD; Loren G. Hinger, MD; James D. McCabe, MD; James Meade, PhD; David K. Merrick, MD; David V. Nuerenberg, RRT; June Penner, MPH RN; James T. Scanlan, MD; William Smith.

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 BSU 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 preprofessional year followed by two years of professional study. Receipt of the Associate of Science degree qualifies the student academically for the examination of the National Board of Respiratory Therapy.

REQUIREMENTS FOR ADMISSION

A. Preprofessional Year
1. See University Admission Policy.
SCHOOL OF HEALTH SCIENCES

B. Professional Program

1. Only students who have completed or are in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.

2. Health status must be adequate to ensure successful performance of hospital activities.

APPLICATION PROCESS

A. Preprofessional Year

1. See University Requirements.

B. Professional Program

1. All students must fill out and return the Respiratory Therapy Program 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 program can accept only a limited number of students each year.

3. Applicants are required to have an interview during the spring semester of the preprofessional year. Contact the program director for specific dates.

PREPROFESSIONAL CURRICULUM

All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following preprofessional curriculum. The preprofessional curriculum need not be taken at BSU.

PREPROFESSIONAL (FRESHMAN) YEAR

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>English E 101-102</td>
<td>3</td>
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<tr>
<td>Human Anatomy and Physiology Z 111-112</td>
<td>4</td>
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<tr>
<td>Essentials of Chemistry C 107</td>
<td>3</td>
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<tr>
<td>Essentials of Chemistry Lab C 108</td>
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<tr>
<td>Intermediate Algebra M 108</td>
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<tr>
<td>Medical Terminology</td>
<td>3</td>
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<tr>
<td>Elective (Area I)</td>
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<td>Elective (Area II)</td>
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<td>Elective</td>
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SUMMER:

Electives (Area I, II) ........................................... 6

SECOND PROFESSIONAL (JUNIOR) YEAR:

<table>
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<tr>
<th>1ST SEM.</th>
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<tr>
<td>Respiratory Therapy Theory I RT 203</td>
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<tr>
<td>Respiratory Therapy Theory II RT 223</td>
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<tr>
<td>Respiratory Therapy Lab I RT 204</td>
<td>2</td>
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<tr>
<td>Respiratory Therapy Lab II RT 224</td>
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<tr>
<td>Clinical Practicum I RT 208</td>
<td>3</td>
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<tr>
<td>Clinical Practicum II RT 228</td>
<td>3</td>
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<tr>
<td>Cardiopulmonary Physiology RT 201</td>
<td>4</td>
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<tr>
<td>Respiratory Therapy Nursing Arts RT 207</td>
<td>1</td>
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<tr>
<td>General Pathology RT 209</td>
<td>3</td>
</tr>
<tr>
<td>Emergency Procedures in Respiratory Care RT 213</td>
<td>1</td>
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<tr>
<td>Electives (Area I, II)</td>
<td>3</td>
</tr>
<tr>
<td>Pulmonary Function Lecture RT 225</td>
<td>2</td>
</tr>
<tr>
<td>Pulmonary Function Laboratory RT 226</td>
<td>1</td>
</tr>
<tr>
<td>Pulmonary Medicine I RT 227</td>
<td>1</td>
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<tr>
<td>Intro to Biophysics</td>
<td>4</td>
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<tr>
<td>Microbiology</td>
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LOWER DIVISION

RT 201 Respiratory Therapy Cardiopulmonary Physiology (4-0-4) (F). Normal physiological functions of the pulmonary and circulatory systems. Prerequisite: PREM/INST.

RT 202 Respiratory Therapy Theory I (2-0-2) (F). 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: PREM/INST.

RT 204 Respiratory Therapy Laboratory I (0-2-1) (F). Medical gas techniques. Prerequisite: PERMI/INST.

RT 207 Respiratory Therapy Nursing Arts I (1-0-1) (F). Nursing arts which pertain directly to respiratory therapy, including body mechanics, patient lifting and positioning. Prerequisite: PERMI/INST.

RT 208 Clinical Practicum I (0-12-3) (F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. Prerequisite: PERMI/INST.

RT 209 General Pathology (3-0-3) (F). Human pathology as pertains to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic and lymphoreticular systems, and respiratory system. Prerequisite: PERMI/INST.

RT 213 Emergency Procedures in Respiratory Care (1-0-1) (F). Theory and technique necessary in emergency respiratory care. Prerequisite: PERMI/INST.

RT 223 Respiratory Therapy Theory II (2-0-2) (S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. In-depth study of hospital infection control including comparative studies and various sterilization and disinfectant techniques. Prerequisite: PERMI/INST.

RT 224 Respiratory Therapy Laboratory II (0-2-1) (S). Use of hyperinflation therapy devices and chest physiotherapy. Prerequisite: PERMI/INST.

RT 225 Pulmonary Function Lecture (2-0-2) (S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. Prerequisite: PERMI/INST.

RT 226 Pulmonary Function Laboratory (0-0-1) (S). Practice in pulmonary function testing and techniques. Prerequisite: PERMI/INST.

RT 227 Pulmonary Medicine I (1-0-1) (S). Ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. Prerequisite: PERMI/INST.

RT 228 Clinical Practicum II (0-12-3) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. Prerequisite: PERMI/INST.

UPPER DIVISION

RT 301 Principles of Pharmacotherapeutics (3-0-3) (F). Principles, practical uses and interactions of drugs and their relationship to disease. Prerequisite: PERMI/INST.

RT 302 Respiratory Therapy Theory III (2-0-2) (F). Theory and clinical application of mechanical ventilator including care and management of artificial airways. Prerequisite: PERMI/INST.

RT 304 Respiratory Therapy Laboratory III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. Prerequisite: PERMI/INST.

RT 305 Radiologic Studies of the Respiratory System (1-0-1) (F). Presentation and interpretation of respiratory radiographs. Prerequisite: PERMI/INST.

RT 307 Respiratory Cardiology (2-0-2) (F). Electrocardiography, stress and static testing procedures, and recognition of cardiac arrhythmias. Prerequisite: PERMI/INST.

RT 308 Clinical Practicum III (0-16-4) (F). Experience in the hospital with patients, techniques and equipment as applied to mechanical ventilation and artificial airways. Prerequisite: PERMI/INST.

RT 322 Respiratory Therapy Theory IV (2-0-2) (S). Theory and application of techniques and equipment to neonatology and pediatrics. Prerequisite: PERMI/INST.

RT 324 Respiratory Therapy Laboratory IV (0-2-1) (S). Use of infant ventilators and specialty techniques pertaining to pediatrics. Prerequisite: PERMI/INST.

RT 327 Pulmonary Medicine II (3-0-3) (F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of these diseases. Prerequisite: PERMI/INST.
DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH

Health Sciences Bldg.  Phone 208/385-3929
Chairman and Associate Professor: Dr. Eldon H. Edmundson, Jr.; Adjunctive Faculty: Dawson, Mead; Advisory Board: Dick Adams, Melvin D. Alsager, Russell Centanni, Robert Desaulniers, James D. Felton, Nancy Ann Goodell, Barbara Gwartney, Jack Kelke, Deborah Moran, Blake Morgan, Donald J. Obee, Jack Palmer, Jack Ross, Lee Stokes, Dennis Walker.

Students in this Department study general aspects of human health which are affected by personal, social, and environmental conditions and interaction. Personal health conditions, the relationships between personal health and environmental conditions, and existing and future community health programs are all considered.

The Department of Community and Environmental Health presently offers a Baccalaureate degree in Environmental Health.

Environmental Health Specialists play an important role in assisting public and private agencies to insure a healthful community. Specific activities may include helping private businesses and public agencies maintain sanitary conditions in food establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in properly disposing of solid wastes, controlling undesirable rodent and insect populations, minimizing air, water, and noise pollution, and controlling occupational hazards.

The Environmental Health curriculum provides a broad background in understanding public health problems and in working with people effectively to arrive at solutions to these problems. During the first two years students take general education courses. These may be taken at BSU or at other accredited colleges or universities, with transfer to BSU for the junior and senior years. Students must also spend twenty hours with environmental health agencies prior to beginning their upper level Environmental Health courses.

The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the State in order to provide field training.

BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH Degree

A. General Requirements (30 Credits):
   - English Composition E 101-102 ........................................... 6
   - College Chemistry C 131-134 ........................................... 12
   - Sociology S 101 .............................................................. 3
   - Speech CM 111 .............................................................. 3
   - Sociology, Psychology or Communication Electives .............. 3
   - Mathematics ................................................................. 10
   - General Physics PH 101-102 ............................................. 8
   - Microbiology B 303 .......................................................... 5
   - Botany/Zoology BT 130, Z 130 .......................................... 9
   - Cell Biology B 225 ........................................................... 3

B. Professional Requirements:
   - Science: (57 Credits)
     - College Chemistry C 131-134 ........................................... 9
     - Applied & Environmental Microbiology B 415-416 .......... 4
     - Entomology Z 305 ........................................................... 4
   - Public Health Field Training EH 350 ............................... 4
   - Public Health Administration H 304 ............................... 3
   - Environmental Health Legislation EH 435 ......................... 2
   - Air Quality Management EH 390 ........................................ 2
   - Community Environmental Health Management EH 320 ......... 3
   - Physical Geology GO 101 ................................................ 4
   - State and Local Government PO 102 ................................. 3
   - Community Environmental Health Practicum EH 160 ...... 1
   - Environmental Health Legislation EH 435 ......................... 2
   - Public Health Field Training EH 350 ............................... 4
   - Occupational Safety and Health EH 415 ............................ 3
   - Epidemiology H 490 ........................................................ 3
   - Environmental Health Practicum EH 160 ............................ 1

SUMMER BETWEEN JUNIOR AND SENIOR YEAR:
   - Public Health Field Training EH 350 ............................... 4

COURSE OFFERINGS

EH 106 Environmental Health Practicum (0-V-1) (FS). Field observations in public health agencies. Requires a minimum 20 hours in the field and periodic seminars with a university instructor. Required for all environmental health majors.

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SCHOOL OF HEALTH SCIENCES

EH 318 Water Supply and Water Quality Management (3-3-F). Engineering, biological and management principles of community water supply and water pollution control. Prerequisite: Botany, Zoology, Chemistry 131-134, one year Mathematics, Upper Division status. Even-numbered years.

EH 320 Community Environmental Health Management (3-3-F). Sanitation and management practices for community problems dealing with solid waste disposal, vector control, food and milk protection, swimming pools, and recreation activities. Prerequisite: Botany, Zoology, Chemistry 131-134, one year Mathematics and Upper Division standing. Odd-numbered years.

EH 350 Public Health Field Training (0-4-SU). Six weeks field study of public health problems, regulations, inspections, and agency programs. Students required to conduct detailed field project. Prerequisite: six credits in Environmental Health coursework.

EH 280 Air Quality Management (3-0-3) (F). Chemical, engineering and management principles of community and industrial air quality control. Prerequisite: Organic Chemistry or concurrent enrollment. Odd-numbered years.

EH 415 Occupational Safety and Health (2-3-S). Recognition, evaluation and control of environmental health hazards or stresses (chemical, physical, biological) that may cause sickness, impair health, or cause significant discomfort to employees or residents of the community. Prerequisite: Physics 101-102 and Organic Chemistry or concurrent enrollment. Even-numbered years.

EH 425 Environmental Health Legislation (2-0-2) (S). A study of environmental legislation, the implementation and enforcement of such laws, and specific duties of the employee regarding selected sections of the law. Prerequisite: Upper Division standing or PERMINST. Odd-numbered years.

H HEALTH SCIENCES

LOWER DIVISION

H 100 Introduction to Allied Health (1-0-1) (F). Various allied health disciplines and their clinical functions are discussed. Information on basic educational requirements, opportunities and advancement for each discipline of health care delivery. Lectures by allied health faculty and guest speakers from the medical community. Orientation to allied health care in clinical facilities.

H 101 Medical Terminology (3-0-3) (FS). 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.

H 109 Drugs: Use and Abuse (3-0-3) (S). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutic and nontherapeutic (recreational) drugs. Even-numbered years.

H 205 Chronic Illness: Impact and Outcome (3-0-3) (S). Introduction to the medical and psychosocial dimensions of chronic illness, using cancer as a prototype. Prerequisite: sophomore standing or PERMINST. Even-numbered years.

H 210 Basic Legal Concepts for Health Practitioners (3-0-3) (S). Designed to acquaint students preparing for careers in nursing, allied health, or related health service professions with a knowledge of basic legal concepts which are essential for safe and responsible health care practice.

H 211-212 Disease Conditions I and II (3-3-FS). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of diseases that affect individual organs in the various body systems. Prerequisite: H 101. Sequence beginning fall semester.

H 218 Environmental Health Colloquium (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

UPPER DIVISION

H 308 Pathophysiology (4-0-4) (F). Emphasis on dynamic aspects of human disease. Disruption of normal physiology and alterations, derangements, and mechanisms involved. Prerequisite: C 107-110 or equivalent and Z 111-112 or equivalent.

H 302 Health Delivery Systems (3-0-3) (F). Consideration of processes, professional, political, economic, legal, and institutional elements which are involved in the maintenance of health and treatment of disease.

H 304 Public Health Administration (3-0-3) (F). Functions of local, state and federal health agencies, and factors which have an impact on agency programs. Prerequisite: Upper Division standing and health science major or PERMINST. Even-numbered years.

H 305 Sensitization for Role Change (2-0-2) (FS). This seminar focuses on student experiences involving professional role confusion-conflict and change. Theoretical concepts are derived from these experiences and readings. Prerequisite: PERMINST.

H 306 Applied Pharmacotherapy (3-3-FS). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pathophysiology to study drugs and their intersystemic relationships. Prerequisite: H 300; 6-8 credits each Chemistry and Human A & P; clinical background as a health student or professional.

H 310 Methods in Clinical Laboratory Science (2-3-3) (F/IS). Interdisciplinary course in basic laboratory procedures used in a primary care setting. Critical significance of tests in relation to disease process is stressed. Lectures/clinical practice in lab enable students to learn accurate techniques and become clinically competent to perform and interpret selected laboratory procedures. Prerequisite: H 300; PERMINST.

H 311 Human Sexuality for Health Professionals (3-3-3) (F). For students in a variety of health related areas. Emphasis on biological, sociological aspects of sexuality. Value systems examined in relation to delivery of effective, holistic health care by individual providers and by the health care delivery system. Prerequisite: Health-related professional or PERMINST. Even-numbered years.

H 405 Medical Economics and Finance (3-0-3) (F). Introduction to the economics and financing of health care and health care agencies. Odd numbered years.

H 480 Epidemiology (3-0-3) (S). Study of the distribution of disease or physiological conditions among human populations and of factors which influence this distribution. Prerequisite: Upper division status, health science major or PERMINST; statistics desirable. Even-numbered years.

H 483 Preprofessional Internship (1-3-2) (FS). Three hours of internship in clinical setting under direction of a preceptor who is a practicing professional. Student keeps a record of experiences and discusses them at a weekly one-hour seminar. Prerequisite: Upper division standing, cumulative GPA above 3.25; recommendation of faculty advisor and dean of student. Effective Fall 2004 strongly recommended.

H 488 Environmental Health Seminar (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

DEPARTMENT OF NURSING

Department Chairman & Associate Degree Faculty: Science-Education Bldg., Rm 107

Baccalaureate Degree Faculty: Health Science Bldg., 107

Chairman and Professor: Dr. JoAnn T. Valhey; Director, Baccalaureate Program and Professor: Dr. Charlotte Gale; Associate Degree Program and Associate Professor: Dr. Virginia Nehring; Coordinator, BSN/Northwest Nazarene College Cooperative Nursing: Judith Johnson; Project Director, Demo Model for Continuing Education in Nursing: Molly Young; Associate Professors: Farnham, Fleming, Fountain, Matson, Penner, Smith, Wilcox; Assistant Professors: Baker, Carpenter, Hart, Job, D. Johnson, Laws, Lynch, Taylor; Instructors: Eno, Jabionski, Peterson, Wimmer, Wise; Advisory Board: JoAnna DeMeyer, Gene Hansen, Dorothy Krawczyk, Laura Larson, Jacqueline Mason, Katherine Nelson, Mary Nelson, Celeste Rush, Ellen Smith, Bonnie J. Sumter, Ann Young.

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 RN’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 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.

LOWER DIVISION ASSOCIATE DEGREE

DESCRIPTION

This program prepares individuals to function at a beginning level in giving care to patients. Nursing courses include theory
and clinical laboratory experiences, primarily in hospitals and other acute care settings. In the clinical component of each nursing course, one credit hour represents three hours of clinical and/or campus laboratory time. During the freshman year, there is an average weekly number of nine to twelve clinical practice hours and during the sophomore year, twelve to fourteen hours per week, which may be scheduled days, afternoons, or evenings, between the hours of 6:30 a.m. and 11 p.m.

The standard for advancement in the program is a 2.75 GPA or above as well as a minimum grade of C in all required general education and nursing courses. Theory courses in nursing and required general education may be repeated only once. Clinical courses in nursing may not be repeated.

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 (R.N.).

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 includes 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. Content is focused on the identified basic health needs of all individuals. A planned program of clinical practicum 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 by the nursing faculty is essential in assisting students to meet their career goals.

ADMISSION

Students may enter the Associate Degree Nursing Program in the fall semester. The number of students admitted each year is limited by the availability of personnel and clinical resources in the community.

REQUIREMENTS

Applicants must meet the general University requirements as well as the stated requirements 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 and a GPA of 2.75 or above at the completion of the 7th semester of high school.
   - ACT: A composite standard score of not less than 20, plus a 70th percentile rating.
   - SAT: Total score of at least 888.

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 GPA or better earned in those college courses.

3. Transfer students from other collegiate (AD or BS) schools of nursing to the Associate Degree Nursing Program at BSU are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in paragraphs 1 and 2 above. In addition, a recommendation from the applicant's previous school of nursing is required. Admission is always dependent upon availability of space in the courses the applicants need for completion of the program.

4. Licensed practical nurses and diploma school of nursing transfer students may apply for advanced placement as sophomore nursing students by meeting the following criteria:

   a. submit records verifying previous education,
   b. submit current evidence of licensure (L.P.N.),
   c. complete N 114, Orientation to Associate Degree Nursing, during the fall semester of the year prior to the year of planned enrollment in the sophomore nursing courses,
   d. complete all freshman general education courses which are prerequisites to sophomore nursing courses with a GPA of 2.75 or better as well as a grade of C or better in required general education courses,
   e. pass the required ACT proficiency exams with a score of 45 or better:
      1. Nursing Health Care
      2. Commonalities in Nursing I
      3. Commonalities in Nursing II
      4. Maternal Child Nursing—Associate Degree Level
   f. pass the freshman level clinical performance evaluation given during the spring semester only.

ALL applicants admitted to the nursing program are required to:

1. Submit a statement from a physician that the applicant possesses the mental and physical health to meet the requirements of being an active and a successful student in the program as well as for being employed in the practice of nursing following graduation.
2. Submit a negative PPD or a chest x-ray plus a documented Rubella immunity report to the Associate Degree Nursing Program by July 15 of the year in which the student plans to enter the program.
3. Submit $75.00 as prepayment for student name pin, uniform badge, malpractice insurance, and standardized National League for Nursing examinations. Required of all students throughout the program. This is a one-time charge upon admission to the program.

APPLICATION PROCESS

1. Make application for admission to BSU and the Department of Nursing, Associate of Science in Nursing Degree Program. Both application forms are available from the Administration Building, Room 101.
2. Submit an official high school transcript or GED test score, ACT or SAT scores, and official transcripts of all previous college work. LPN's applying for advanced placement must also submit evidence of previous education as well as of current licensure. This evidence 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 the date of anticipated enrollment in nursing courses.
4. Late applications will be accepted only if space is still available in the nursing program.

REQUIREMENTS

A. General Education Requirements

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<thead>
<tr>
<th>Course Code</th>
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<tr>
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<tr>
<td>Chemistry C 107-108</td>
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<tr>
<td>Anatomy and Physiology Z 111-112</td>
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<tr>
<td>General Psychology P 101</td>
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B. Nursing Major

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<td>N 170-171</td>
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<td>N 230-231</td>
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SCHOOL OF HEALTH SCIENCES

N 240-241 .......................... 4
N 250-251 .......................... 4
Nursing Seminar .................... 2
N 280-290 .......................... 2
*Nursing Practice, N 201 ....... 2

1ST SEM. 2ND SEM.
Essentials of Chemistry C 107-108 .......................... 4 —
Nutrition HE 207 .......................... 3 —
Human Anatomy and Physiology Z 111-112 .......................... 4 4
English Composition E 101 .......................... 3 3
General Psychology P 101 .......................... 3 —
Basic Health Needs N 140-141 — 4
Basic Health Needs N 150-151, 160-161, 170-171 .......................... 4 8

19 18

All of the above courses must be completed before entering the sophomore year nursing courses.

SOPHOMORE YEAR:

Microbiology B 205 .......................... 4 —
English Composition E 102 .......................... 3 3
Introduction to Sociology SO 101 — 3
Electives (may include N 201) .......................... 3 —
Deviations from Basic Health (choose two) — 8 8
Nursing Seminar N 280-290 — 1 1

Nursing Practicum N 240-241 .......................... 4 4

16 15

The associate of science degree in nursing may be completed in 4 semesters by taking 15-19 credits per semester. Applicants, however, are advised to complete the required chemistry, anatomy and physiology and microbiology courses before entering the program.

UPPER DIVISION

BACCALAUREATE DEGREE

This program has two major purposes:
1. To enable registered nurses to earn the baccalaureate degree with a major in nursing;
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. 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 in this program are prepared for first-level positions in community health nursing. The BSN program is approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

Philosophy

Professional nursing education includes both general education and nursing components. General education components provide knowledge of the Humanities, Social, and Physical Sciences. The curriculum focuses on dynamic states of health as well as illness of individuals, families, and the community. This knowledge base assists the nurse in identifying and understanding health status of individuals, families, and the community and in designing alternatives in coping with changes in that status. Further, the professional nursing curriculum promotes refinement and development of nursing practice through utilization and evaluation of nursing research, as well as by employment of theoretical and empirical knowledge derived from general education. This curriculum facilitates the development of collegiality, collaboration and consumer advocacy.

Professional nursing emphasizes the promotion and restoration of health and the prevention of illness through utilization of the nursing process. This process includes activities of assessment, planning, intervention and evaluation in health care delivery. In applying nursing process, the professional nurse demonstrates the art of clinical judgment — the capacity to think critically as a basis for selection, implementation and evaluation of strategies to meet health care needs of individuals, families, and the community. The professional nurse is prepared to provide health care services ranging from simple to complex for individuals, families and groups of all ages and in a wide variety of settings. The professional nurse understands the dynamics of small and large groups and utilizes communication skills which facilitate effective functioning.

The current demand for improved health care requires the professionally prepared nurse. This individual must be able to: (1) accept responsibility and accountability for his/her own actions; (2) critically analyze and respond to emerging scientific and humanistic advances in knowledge and the potential for implementation in the health care delivery system; and (3) participate in identifying health care trends, predicting health care needs in a changing society, and in developing new nursing roles and strategies for meeting those needs.

Pre-Entrance Advisement

Potential applicants should contact the program office to obtain advisement as far in advance of their application date as is possible. Review of admission qualifications or application procedures, as well as year-to-year variations in the scheduling of courses, will have implications for the potential student's academic plans. By establishing early contact with the program advisors, the potential student will be kept advised of such changes so that the student is able to plan more effectively to ensure eligibility for admission by the date which the potential student desires.

The potential student must take the initiative for contacting a program advisor. This is best done immediately following the initial request to the Admissions Office for information about the program. During the time when the student is attempting to qualify for admission, the program advisor will provide academic advisement. Candidates for admission who fail to utilize this service, or who apply too late to receive pre-entrance advisement, run the risk of discovering that they have not completely qualified for admission by the date which they have chosen.

Admission, Application and Enrollment

To qualify for admission, applicants must:
1. Possess current license as a registered nurse and secure Idaho licensure prior to enrollment in Upper Division nursing courses.
2. Have maintained a GPA of 2.75 or better in 37-41 semester credits in general education courses, including the following:
   a. English Composition E 101-102 .......................... 3 or 6
   b. Microbiology B 205 — 4
   c. Nutrition HE 207 .......................... 3
   e. Humanities (Area I) — 6
   g. Human Anatomy and Physiology Z 111-112 .......................... 8
3. Have passed the required theoretical and clinical nursing tests (information on these tests is available from the Baccalaureate Program Office).

To apply for admission, the applicant must:
1. Request from the Admission Office an application to the University (if not previously admitted) and the special application form for the Baccalaureate Nursing Program.
2. Have completed the following actions by March 1, preceding the fall semester in which enrollment in upper division nursing courses is planned:
   a. Return completed application forms to the Admissions Office.
   b. Submit transcripts from all institutions of higher education which candidate has attended. It may take 6-8 weeks for
transcripts to be processed and mailed so adequate time should be allowed. Graduates of diploma schools of nursing who took college courses in conjunction with their nursing program must submit transcript(s) from college(s) attended. The nursing school transcript, even though it lists such courses, cannot be used as an official record of courses completed in institutions of higher education.

c. Have taken, or applied to take, the required nursing tests as described under item 3, Qualification for Admission.

d. Submit a nursing school transcript if a graduate of a diploma school of nursing.

To qualify for enrollment, the candidate must:

1. Return the form indicating intent to enroll. This form is sent to the candidate when he/she is notified of acceptance in late April or early May. Failure to complete and return the form by the required date will result in removal of the candidate’s name from the listing of students to be admitted that fall.

2. Arrange to attend an orientation session usually lasting half a day and scheduled immediately prior to registration for the fall semester. Accepted students will be notified regarding the time and place of this meeting. The Baccalaureate Program Student Handbook will be distributed at this meeting.

3. Secure malpractice insurance so that insurance is in force prior to enrollment in any nursing courses with a clinical practicum.

   a. For full-time students, insurance will be needed at the beginning of the spring semester of the junior year and thereafter throughout the program.

   b. For students who plan to complete the junior year on a part-time basis, insurance will not be needed until the spring semester of the second year of enrollment and thereafter throughout the program.

Failure to have the necessary insurance in force at the time it is required will render the student ineligible to enroll in any nursing course with a clinical practicum. This will almost certainly result in delaying anticipated graduation. Information concerning sources of malpractice insurance will be provided at the orientation meeting held immediately prior to registration for the fall semester.

4. Have completed all requirements for admission prior to entering the first semester of the nursing program in the fall. This regulation applies to candidates who are given conditional admission, pending completion of requirements.

General information regarding admission, application and enrollment:

1. Candidates should apply by the March 1 deadline even if they have coursework to complete prior to their anticipated enrollment in the fall semester of that year. If it appears that they will have completed all requirements in time for fall enrollment, then a conditional admission will be granted, pending completion of requirements by the time of anticipated enrollment.

2. Late applications will be accepted if vacancies still exist in the class to be admitted. Such applications will be considered in the order in which they are received by the Director of the Baccalaureate Nursing Program.

3. Enrollment is regulated according to available faculty, clinical facilities and other resources. If more fully qualified candidates have applied by March 1 than can be admitted, those candidates will be ranked according to the GPA and admission will be granted in order to those with the higher GPA. Remaining fully qualified applicants will be placed on a waiting list. As vacancies occur in the list of admitted students, the next candidate on the waiting list will be granted admission. Conditionally qualified applicants will be considered for admission only after all candidates who are fully qualified by March 1 have been admitted.

4. Candidates are not required to have had a specified period of work experience, however, they are strongly advised to have had one year of nursing practice within the two-year period immediately preceding anticipated enrollment in the Baccalaureate Nursing Program. General staff nursing practice is recommended for those who have recently obtained licensure or who have not been actively engaged in nursing during the two years immediately preceding anticipated enrollment.

5. Students are expected to provide their own transportation to clinical agencies when enrolled in a nursing course with a clinical practicum. For full-time students this will begin in the spring of the junior year and continue throughout the remainder of the program. For students who take the junior year on a part-time basis, this will begin in the second spring semester of enrollment in the nursing program and continue throughout the remainder of the program.

Progression and Graduation

In order to progress through the program and qualify for graduation, students must meet all University requirements for the BS degree as well as the requirements for the nursing major, including required support courses. A GPA of 2.75 or better must be maintained and all nursing and support courses must be completed with a grade of C or better. Students may repeat, once only, theory and simulated practicum courses in nursing and required support courses. The clinical practicum of any nursing course may not be repeated if a grade of D or F was earned.

Students whose GPA falls below 2.75 or who receive less than a C in theory and simulated practicum courses in nursing or in required support courses may be eligible for academic probation. Probation for one semester only will be considered by the faculty if, in their opinion, probation is warranted based upon the individual student’s circumstances. Failure to achieve the required grade or GPA by the end of the one probationary semester automatically disqualifies the student from further study in the Baccalaureate Nursing Program. Probation will be granted only once. In cases which require probation for a year because the necessary course is not available in the semester immediately following that in which the academic deficiency was incurred, faculty may grant probation for that period of time; however, the student may be required to delay progression in the nursing curriculum until the deficiency has been removed.

Ordinarily, the full-time student who carries 15-16 credits per semester can anticipate completing the program in two years. Depending upon the availability of courses when needed, attendance at summer school may be necessary in some cases to complete area and elective requirements as specified by the University.

In order to maintain the educational quality of the program and to protect students from losing credits as a result of changes in curriculum or academic policies, part-time students are subject to some regulations as follows:

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 nursing courses for both fall and spring semesters.

3. They must follow the prescribed sequencing of nursing courses for part-time students.

4. All 300 level nursing courses must be completed before enrollment in any 400 level nursing courses.

A waiver of any one of these regulations may be granted, upon petition to the faculty, for appropriate reasons such as, but not restricted to, illness, academic probation, and family emergencies. The faculty advisor will assist students to prepare petitions.

Progression in the program is carefully monitored by faculty advisors. Each student who is admitted to the program is given an assigned advisor and the student is expected to confer with this advisor at least once a semester in order to evaluate his/her progress in the program and to plan registration for the next semester. Advisors are also available to students for general academic counseling during fall and spring semesters. Office hours are posted on each faculty member's door.

The assigned advisor is the first person the student should consult regarding problems relevant to progress in the baccalaureate nursing curriculum. If the advisor is unable to help the student resolve a problem, the advisor will refer the student to another
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resource person. The advisor and student share the responsibility for monitoring the student's progression in the program so that graduation requirements are met.

Further information can be obtained by writing to: Bachelor's Program in Nursing, Boise State University, 1910 University Drive, Boise, ID 83725, Phone (208) 385-1767.

CURRICULUM

This section contains programs for both full-time and part-time students, as well as course descriptions. Full-time students should be able to complete the program in two years. Students who attend part-time throughout their entire program should complete the curriculum in four academic years and the sequence given for nursing courses must be followed. Students who wish to attend full-time for one year and part-time for two years must follow the required sequence for the level of courses taken on a part-time basis.

FULL-TIME STUDENT

(Suggested Program)

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<th>JUNIOR YEAR</th>
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<td>Health-Illness I N 360</td>
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<td>Pathophysiology H 300</td>
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<td>Sociology of the Family SO 340</td>
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<td>Family and Group Interactions N 328</td>
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PART-TIME STUDENT

(Suggested Program)

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NURSING

N 114 Orientation to Associate Degree Nursing for Advanced Placement Student (1-0-1) (F). Required for LPNs who wish to challenge freshman level AD nursing courses. Focuses on the necessary changes in role from LPN to RN and the theoretical basis of nursing practice.

N 140-141 Introduction to Basic Health Needs (2-0-2) (0-6-2) (F). 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 providing nursing care. Opportunity is provided to develop beginning skills. Prerequisite: Admission to nursing major.

N 150-151, 160-161, 170-171 Basic Health Needs (2-0-2) (0-6-2) 8 week units. Nursing process is utilized to meet basic health needs as related to health care of persons of all ages in hospitals and health agencies. Opportunity is provided to develop skills in providing Nursing care. Prerequisite: N 140-141. May be taken in any sequence.

N 201 Nursing Practicum (0-2-2). This elective course provides a concentrated period of clinical experiences in health care agencies for sophomore nursing students to extend learning on an individual basis. Prerequisite: Sophomore in ADN program.

N 220-221 Deviations from Basic Health—Related to Mental Health (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on mental health/mental illness of persons of all ages. Provides opportunity to develop skills in the care of patients in a mental health unit and other acute care settings. Prerequisite: Sophomore in ADN program.

N 230-231 Deviations from Basic Health—Related to Oxygen (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on oxygen need for persons of all ages. Provides the opportunity to develop skills in hospital medical-surgical area with specific reference to psychophysiological assessment and nursing care planning for patients with oxygen deficiency. Prerequisite: Sophomore in ADN program.

N 240-241 Deviations from Basic Health—Related to Nutrition and Elimination (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for nutrition and elimination for persons of all ages. Provides opportunity to develop skills in the pediatric and medical-surgical areas. Prerequisite: Sophomore in ADN program.

N 250-251 Deviations from Basic Health—Related to Activity (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for activity for persons of all ages. Provides opportunity to develop skills in nursing care of patients in the medical-surgical and rehabilitation areas. Prerequisite: Sophomore in ADN program.

N 280-289 Nursing Seminar (1-0-1). Philosophy of health care and the role of the graduate as a registered nurse. Ethical and legal implications and other factors affecting nursing practice are discussed. Prerequisite: Sophomore in ADN program.
JUNIOR YEAR

N 302 Professional Nursing I (2-0-2) (F). Theoretical and historical perspectives in nursing. Roles and characteristics of the professional nurse today. Conceptual foundations of professional nursing. Exploration of leadership styles and issues in nursing. Identification of professional goals. Prerequisite: Admission to BSN program.

N 308 Professional Interactions (2-0-2) (F). Theoretical base for communication in professional nursing practice, emphasizing assertiveness, therapeutic communication, group process and leadership in groups. Prerequisite or corequisite: N 302. Corequisite: N 309, 360.


N 360 Health—Illness I (2-0-2) (F). Theoretical base for nursing practice from developmental, systems, stress-adaptation and high-level wellness categories of theories. General perspective on biopsychosocial adaptation by individuals throughout major phases of life cycle. Focus on assessment of individual health status/potential. Prerequisite or corequisite: N 302, H 300. Corequisite: N 361, 368.


N 390 Nursing Research (2-0-2) (S). Introduction to research concepts, research process and selected approaches to health care research. Practice in defining researchable problems, processing qualitative data, and evaluating research findings for application to nursing practice. Prerequisite: N 302. Corequisite: N 391.


SENIOR YEAR

N 402 Professional Nursing II (2-0-2) (S). Leadership role of professional nurse in improvement of health care services and advancement of nursing profession. Emphasis on emerging nursing roles and issues and trends which affect nursing. Examination of individual goals relevant to professional commitments. Prerequisite: N 408, 410, 430. Corequisite: N 432, 435.

N 408 Families and Groups Under Stress I (1-0-1) (F). Theoretical base for application of nursing process to facilitate adaptation of individuals, families and groups to complex mental health and psychiatric problems. Emphasis on therapeutic communication. Prerequisite: All 300 level nursing and support courses. Corequisite: N 409, 410.

N 410 Practicum: Families and Groups Under Stress (0-6-2) (F). Clinical laboratory for N 408. Corequisite: N 408.

N 410 Nursing in the Community (2-0-2) (F). Theoretical and historical perspectives on community problems in relation to professional nurse roles. Application of nursing process in assessing communities to identify needs as a basis for planning improved health care service. Prerequisite: All 300 level nursing and support courses. Corequisite: N 411, 408.

N 411 Practicum: Nursing in the Community (0-6-2) (F). Clinical laboratory for N 410. Corequisite: N 410.

N 430 Health—Illness III (2-0-2) (F). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to life-threatening illnesses/trauma. Continuing use of nursing process with emphasis on implementation and evaluation of care. Prerequisite or corequisite: N 408, 410.


N 432 Health—Illness IV (1-0-1) (S). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to chronic illness. Continuing use of nursing process with emphasis on implementation and evaluation of care. First 8 weeks of semester. Prerequisite: N 408, 410, 430. Corequisite: N 402, 435, 435.


N 435 Practicum: Health—Illness V (0-9-3) (S). Student will contract for specific leadership and clinical experience which builds upon knowledge and skills gained from previous nursing courses. Last 8 weeks of semester. Prerequisite: N 408, 410, 430. Corequisite: N 402, 432.

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PREPROFESSIONAL STUDIES

Health Sciences Bldg., Rm. 101 Phone 208/385-1787
Dean and Professor: Dr. Victor H. Duke

The Preprofessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the Health Sciences, particularly those 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, and pre-Chiropractic.

In view of the specialized nature of each program the student should seek regular counsel from the advisor who has been designated for his or her major field of interest. A handbook for preprofessional students is available from the advisors and should be used as a reference.

Students who intend to apply to professional schools should be aware of deadlines established by the professional schools and testing organizations for submitting application materials and taking examinations. 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. Deadlines change from year to year. The student is responsible for ascertaining from the appropriate advisor the specific deadlines and fees which pertain to the application process and admission testing for the particular program.

In addition to their academic coursework the Preprofessional Studies students have opportunities and are encouraged to work in and observe at first hand the practice and delivery of health care in a clinical environment.

Qualified students 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, or veterinarian, etc. Prerequisite: Upper Division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the Dean. See course H 493 described in the Community and Environmental Health Section.

Baccalaureate degree programs:
Pre-Dentistry with Biology or Chemistry options
Pre-Medicine with Biology or Chemistry options
Pre-Veterinary Medicine

Non-degree programs:
Pre-Dental Hygiene
Pre-Occupational Therapy
Pre-Physical Therapy
Pre-Optometry
Pre-Pharmacy

PRE-DENTISTRY — BIOLOGY OPTION — BS

Science-Education Bldg., Rm. 223 Phone 208/385-3499
Advisor: Dr. Charles W. Baker

PRE-MEDICINE — BIOLOGY OPTION — BS

Science-Education Bldg., Rm. 223 Phone 208/385-3520
Advisor: Dr. H. K. Fritchman

REQUIREMENTS

General University and Basic Core ........................................ 21
English Composition E 101-102 ......................................... 6
General Psychology P 101 .................................................. 3
Zoology Z 130 ................................................................. 5
Botany BT 130 .................................................................. 4
Cell Biology B 225 ............................................................. 3
General Bacteriology B 303 ............................................... 5
### SUGGESTED PROGRAM

#### FRESHMAN YEAR:
- **English Composition E 101-102** 3 3
- **College Chemistry C 131-134** 4 5
- **Mathematics M 111-204** 5 5
- **Area I Courses** 3 3
- **Electives** 4-6
- **Total** 15 16

#### SOPHOMORE YEAR:
- **Botany BT 130** 4
- **Zoology Z 130** — 5
- **Organic Chemistry C 317-320** 5 3-5
- **General Psychology P 101** 3
- **Area I Courses** 3 3
- **Electives** 3-4
- **Total** 15 17-19

#### JUNIOR YEAR:
- **Cell Biology B 225** 3
- **Comparative Anatomy Z 301** 4
- **Genetics, with or w/o Lab B 343, 344** 3-4
- **Vertebrate Embryology Z 400** 4
- **General Physics PH 101-102** 4 4
- **Area I Courses** — 3
- **Electives** — 3
- **Total** 16 15-17

#### SENIOR YEAR:
- **General Bacteriology B 303** 5
- **Vertebrate Histology Z 400** 4
- **Physiology Z 401, 409** 4
- **Biochemistry C 431-432** 3 1
- **Area I Courses** — 3
- **Electives** 3-5 9
- **Total** 15-17 17

*Additional Upper Division credits so that Upper Division credits will total at least 40.*

### PRE-VETERINARY MEDICINE — BS

Science Education Bldg., Rm. 223
Phone 208/385-3504

**Faculty:** Dr. Russell J. Centanni

#### REQUIREMENTS
- **General University and Basic Core** 21
- **English Composition E 101-102** 6
- **General Psychology P 101** 3
- **Zoology Z 130** 5
- **Botany BT 130** 4
- **Cell Biology B 225** 3
- **Comparative Anatomy Z 301** 4
- **Genetics, with or w/o Lab B 343, 344** 3-4
- **Vertebrate Embryology Z 351** 4
- **College Chemistry C 131-134** 8
- **Organic Chemistry C 317-320** 10
- **Bio or Analytical Chemistry with Lab C 431-432 or C 211-212** 4-5
- **Physical Chemistry C 321-324** 8
- **Instrumental Analysis C 411** 4
- **Chemistry Independent Studies C 496** 2
- **Chemistry Seminar C 498, 499** 2
- **General Physics PH 101-102** 8
- **Mathematics M 111-204** 10
- **Mathematics M 205-206** 8
- **Electives** 9-11

### SUGGESTED PROGRAM

#### FRESHMAN YEAR:
- **English Composition E 101-102** 3 3
- **College Chemistry C 131-134** 4 5
- **Mathematics M 111-204** 5 5
- **Area I Courses** 3 3
- **Electives** 3-4
- **Total** 15 16

#### SOPHOMORE YEAR:
- **Botany BT 130** 4
- **Zoology Z 130** — 5
- **Organic Chemistry C 317-320** 5 3-5
- **Mathematics M 205-206** 4 4
- **Area I Courses** 3 3
- **Electives** 3-5 16 17

#### JUNIOR YEAR:
- **Cell Biology B 225**
- **Comparative Anatomy Z 301** 3-4
- **Bio or Analytical Chemistry with Lab C 431-432 or C 211-212** 3-5 1
- **Area I Courses** — 6
- **Electives** 3-4 14-17 14

#### SENIOR YEAR:
- **Physical Chemistry C 321-324** 4 4
- **Instrumental Analysis C 411** 4
- **Chemistry Independent Study C 496**
- **General Psychology P 101** 3
- **Chemistry Seminar C 498, 499** 1
- **Area I Courses** — 3
- **Electives** 3-5 8-9 16 17-18

*Additional Upper Division credits so that Upper Division credits will total at least 40.*

A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho. Under this agreement a number of Idaho residents are, each year, guaranteed admission to the WSU School of Veterinary Medicine. For those Idaho residents who plan to pursue a pre-veterinary medicine curriculum, it is important that the entrance requirements for Washington State University be satisfied during undergraduate work. The student majoring in pre-veterinary medicine should seek regular counseling from the pre-veterinary academic advisor.

The student must maintain a basic science GPA of at least 3.00; an overall GPA of at least 3.20, or 3.30 during the last 2 years of undergraduate study; and an average of at least 15 credit hours per semester. Candidates with the greater depth and breadth of academic background are given preference by WSU.

The General Aptitude Test of the Graduate Record Examination is normally to be taken in October preceding the year in which the student hopes to enter the WSU School of Veterinary Medicine.

Students are to acquire and record at least 300 hours of exposure to veterinary medicine while employed by or working on a volunteer basis for a graduate veterinarian during their undergraduate studies.

**REQUIREMENTS**
- **English Composition E 101-102** 6
SCHOOL OF HEALTH SCIENCES

PRE-OCCUPATIONAL THERAPY

2268 University Drive Phone 208/385-3383
Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their preprofessional requirements. A minimum of two preprofessional years is required, and more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student's choice, and pattern the preprofessional curriculum in line with the requirements of the desired schools.

PRE-OPTOMETRY

2268 University Drive Phone 208/385-3383
Advisor: Conrad Colby

For students interested in preparing for optometry training, science courses should be preprofessional courses designed for science majors which offer laboratory experience. Brief survey courses in the sciences will not prepare a student for the schools and colleges of Optometry.

All of the schools and colleges require additional courses for admission, but each Optometry school has its own set of requirements. The student should write to the Optometry school of his or her choice for a list of specific courses.

Although a minimum of two years of pre-Optometry study is required, most students accepted by a school or college of Optometry have completed three years in an undergraduate college. A large percentage of students accepted by the schools and colleges of Optometry have earned a bachelor degree.

The requirements for admission to the schools and colleges of Optometry vary. However, all Optometric schools and colleges require at least two years of pre-Optometric study which should include:

Suggested Program

General Biology or Zoology B 101-102 .. 1 or 2 semesters
College Chemistry C 131-134 ... 2 semesters
General Physics PH 101-102 ... 2 semesters
English E 101, 102 ... 1 to 2 semesters
College Mathematics ... up to 2 semesters

Additional courses that may be needed for the pre-Optometric program are:
Psychology
Social Science
Philosophy
Literature
Organic Chemistry
Microbiology
Bacteriology
Comparative Anatomy
Physiology
Statistics

PRE-PHARMACY

Science-Education Bldg., Rm. 316 Phone 208/385-3477
Advisor: Dr. Robert A. Hibbs

BSU students who wish to receive a Bachelor of Science in Pharmacy usually plan to take their preprofessional courses at
SCHOOL OF HEALTH SCIENCES

BSU and then transfer to the College of Pharmacy at Idaho State University. The Pharmacy program consists of two years of preparatory studies followed by three years in the College of Pharmacy at ISU. The curriculum outlined below is based upon the requirements of ISU. Students who intend to apply to Pharmacy schools other than ISU are advised to consult the pre-Pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer.

**Suggested Program**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry C 131, 133</td>
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<td>3</td>
</tr>
<tr>
<td>Chemistry Laboratory C 132, 134</td>
<td>1</td>
<td>2</td>
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<tr>
<td>Mathematics M 111</td>
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<td>Mathematics M 204</td>
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<tr>
<td>Electives</td>
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<td>16-17</td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Zoology Z 130</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Cell Biology B 225</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry C 317-318</td>
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<td>Organic Chemistry Lab C 319-210</td>
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<tr>
<td>Microbiology B 205</td>
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<tr>
<td>Physics PH 101-102</td>
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<td>Total</td>
<td>17-18</td>
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*When possible it is desirable to take M 204 the first semester and add General Botany BT 110 the second semester of the freshman year.

Quantitative Analysis C 211-212 can also be taken as a preparatory course.

**PRE-PHYSICAL THERAPY**

Student Health Center, Room 117 Phone 208/385-1996
Advisor: Duane Akroyd

This curriculum is designed for students interested in a professional career in Physical Therapy. A minimum of two preparatory years is required for admission to a school of Physical Therapy.

**Suggested Program**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
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</tr>
<tr>
<td>Anatomy and Physiology Z 111-112</td>
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<td>Psychology P 101</td>
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<td>Mathematics M 111</td>
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<td>Electives (Area I, II)</td>
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<td>Chemistry Laboratory C 134</td>
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<tr>
<td>Total</td>
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<td>18</td>
</tr>
</tbody>
</table>

During the freshman year the student, in consultation with the advisor, should pattern the sophomore year according to the requirements of the Physical Therapy school the student is planning to attend.

**COURSE OFFERINGS**

**H Health Sciences**

For H Health Sciences courses see Department of Community and Environmental Health course descriptions.