School of Arts & Science

Dean: William J. Keppler, Ph.D.
Associate Dean: William E. Shankweiler, Ph.D.

PHILOSOPHY

The School believes that the purpose of men's lives is to know, to search, and to achieve, and that knowledge is necessary for the good life of free men. The School, therefore, provides an opportunity for each student to share in the accumulated experience of men of all times and places, hoping not only to lead each student to basic knowledge of the matter traditional to the School's major divisions of study, but also to stimulate students to exercise their own powers to range beyond the known — to dream a better possible human condition and devise ways of moving toward it.

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

OBJECTIVES

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

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

ACTIVITIES

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

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

Performances, Exhibitions, Workshops

Membership in the various groups and organizations engaged in extracurricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements. Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive intramural and 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 college each year, as well as science fairs, environmental workshops, etc.

ART MAJOR

Lower Division — All Degrees
(Suggested Program)

I. General Art

<table>
<thead>
<tr>
<th>FRESHMEN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Basic Design</td>
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<td>Elementary Drawing</td>
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<tr>
<td>Art History</td>
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<tr>
<td>Lettering</td>
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<td>History (Area II)</td>
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<tr>
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<td>Intermediate Painting</td>
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</tr>
<tr>
<td>Introduction to Music or Drama (Area I)</td>
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<tr>
<td>Social Science (Area II)</td>
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<tr>
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<tr>
<td>Electives</td>
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</tr>
<tr>
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II. Art Education

Freshman year (See General Art Freshman Year)

<table>
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<th>SOPHOMORE YEAR:</th>
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</thead>
<tbody>
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<td>Electives</td>
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<tr>
<td><strong>Total</strong></td>
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III. Advertising Design

Freshman year (see General Art Freshman year)

<table>
<thead>
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<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Intermediate Painting</td>
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<td>2</td>
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<tr>
<td>Introduction to Music or Drama (Area I)</td>
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<tr>
<td>Social Science (Area II)</td>
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<tr>
<td>Lab Science or Mathematics (Area III)</td>
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<td>4</td>
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<tr>
<td>Electives</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

1. General Art—Bachelor of Arts Program

2. a) Art Major Requirements

   Painting and/or Watercolor ........................................ 6
   Drawing ........................................................................ 6
   Art History ................................................................... 9
   Design .......................................................................... 4
   Ceramics ........................................................................ 2
   Sculpture ....................................................................... 2
   Printmaking .................................................................... 2
   Crafts ................................................................. 1
   Senior Seminar ..................................................... 1
   **Total** .................................................................. 36

   b) Major Emphasis

   A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.

3. Electives .............................................................. 41

II. Art Education—Bachelor of Arts Program

1. General University and Basic Core Requirements .... 51

2. Art Major Requirements

   Painting .............................................................. 6
   Watercolor ......................................................... 4
   Drawing ............................................................. 6
   Design ................................................................. 4
Art

Art History ........................................... 6
Ceramics ............................................. 2
Sculpture ............................................. 2
Printmaking .......................................... 2
Crafts ................................................ 2
Lettering ............................................. 2
Senior Seminar ..................................... 3

Credits 128*

III. Art/Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis

1. General University and Core Requirements ........ 32
2. Art Major Requirements
   Advertising Design ................................ 10
   Watercolor and/or Painting ........................ 8
   Drawing ............................................. 6
   Advertising Illustration ............................ 6
   Design ............................................. 4
   Lettering/Lettering and Layout .................... 4
   Art History ....................................... 6
   Printmaking ....................................... 2
   Creative Photography .............................. 2
   Senior Seminar .................................... 3

Electives ........................................... 26

Credits 128*

a) Art Major Requirements
   Painting ............................................ 8
   Drawing ............................................ 8
   Art History ....................................... 12
   Watercolor ........................................ 4
   Design ............................................. 4
   Printmaking ....................................... 2
   Sculpture .......................................... 2
   Ceramics .......................................... 2
   Crafts .............................................. 2
   Senior Seminar .................................... 3
   Art Electives ...................................... 16

b) Major Emphasis
   A total of 20* credit hours in any art field will constitute the major requirements and a total of 14 credit hours in a second art area will constitute the minor emphasis.

Electives ........................................... 33

Credits 128*

III. Art Education—Bachelor of Fine Arts

1. General University and Core Requirements ........ 32
2. Art Major Requirements
   Painting ............................................ 8
   Art History ....................................... 9
   Watercolor ........................................ 4
   Design ............................................. 4
   Printmaking ....................................... 2
   Sculpture .......................................... 2
   Ceramics .......................................... 2
   Crafts .............................................. 2
   Lettering .......................................... 2
   Senior Seminar .................................... 3

Electives ........................................... 29

Credits 128*

Admissions and Program

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

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

C. Program areas of study are as follows:

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

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

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

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

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

COURSE OFFERINGS

AR ART

The Art Department reserves the right to withhold selected student work for the Permanent Collections.

Lower Division

100 Basic Drawing and Painting for Non-Art Majors (2 credits). A one semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the basic fundamentals of drawing and painting. Four studio hours per week. Either semester.

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

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

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

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

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

107 Lettering (2 credits). A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout. Four studio hours per week. Either semester.

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

111 Drawing (2 credits). Applied study of space, form, light and shadow, line perspective, composition, and an exploration of the various drawing media. Four studio hours per week. Limited enrollment second semester. Either semester.

112 Drawing (2 credits). Introduction to the human figure. Four studio hours per week. Advisable to take AR 111 prior to AR 112. Spring semester.

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

114 Painting (2 credits). Emphasis on the techniques of opaque and transparent water base media. Four studio hours per week. Advisable to take AR 113 prior to AR 114. Spring semester.

115 Landscape Painting (3 credits). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. Six studio hours per week (semester basis). First summer session.

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

131 Interior Decorating (2 credits). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture. Two hours lecture, one-half hour demonstration per week. Either semester.

203 Advertising Design (2 credits). Special assignments in various techniques employed in advertising and commercial art; problems in lettering, typography, and reproduction processes will be emphasized. Four studio hours per week. Advisable to take AR-105, AR 106, AR 107 and AR 108 prior to AR 203. Fall semester.

204 Advertising Design (2 credits). Advanced work in various techniques employed in advertising and commercial art. Four studio hours per week. Advisable to take AR 203 prior to AR 204. Spring semester.

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

211 Drawing (2 credits). Study of the human figure through anatomical rendering. Four studio hours per week. Advisable to take AR 111 and AR 112 prior to AR 211. Fall semester.

212 Drawing (2 credits). Drawing in various media from the human figure in relationship to anatomy and creative composition. Four hours studio hours per week. Advisable to take AR-211 prior to AR-212. Spring semester.

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

216 Painting (2 credits). Creative work in oils and related media. Four studio hours per week. Advisable to take AR 215 prior to AR 216. Spring semester.

217 Painting-Watercolor (2 credits). Major emphasis will be in the use of transparent watercolor. Work will be outdoors from nature as well as studio work. Four studio hours per week. Fall semester.

218 Painting-Watercolor (2 credits). Introduction to experimental techniques in the use of opaque waterbase media. Work will be outdoors from nature as well as studio work. Four studio hours per week. Advisable to take AR 217 prior to AR 218. Spring semester.

219 Figure Painting (2 credits). Painting from models with an emphasis on a representational approach: study of form, color, and composition as they relate to the human figure. Four studio hours per week. Advisable to take AR 114 and AR 112 prior to AR 219. May be repeated once for credit. Either semester.

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

222 Art Metals (2 credits). Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. Four studio hours per week. Advisable to take AR-105, 106 and 221 prior to AR-222. Spring semester.

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

226 Ceramics (2 credits). Beginning the use of the potter's wheel, molding, casting and constructing. Four studio hours per week. Prerequisite AR 105 and AR 106. Spring semester.

231 Sculpture (2 credits). Work in a variety of three dimensional material, with emphasis on the techniques of carving, modeling and casting. Four studio hours per week. Advisable to take AR 105 or 106 prior to AR 231. Fall semester.

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

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

Upper Division

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

302 History of Twentieth Century Movement in Art (2 credits). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism. Spring semester.

303 Studio in Advertising Design (3 credits) and preparation of art for reproduction. Six studio hours per week. Advisable to take AR 203 and 204 prior to AR 303. May be repeated once for credit. Either semester.

306 Studio in Visual Design (3 credits). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture and space. Six studio hours per week. Advisable to take AR 105 and 106 prior to AR 306. May be repeated once for credit.

307 Studio in Metalsmithing (3 credits). Advanced study in materials of jewelmaking and metalsmithing with special emphasis on forging, stoneware, cutting, and mechanical techniques as further personal development of craftsmanship. Prerequisite: AR 221, 222, Six studio hours per week. May be repeated once for credit.

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

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311 Studio in Drawing (3 credits). Advanced drawing in various media. Six studio hours per week. Advisable to take AR 111, AR 112, AR 211, AR 212 prior to AR 311. May be repeated once for credit.

315 Studio in Painting (3 credits). Creative work in representational or non-representational areas in oil and related media. Six studio hours per week. Advisable to take AR 113-114, AR 215-216 prior to AR 315. May be repeated once for credit.

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

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

319 Figure Painting (3 credits). Painting from models in representational or semi-abstract styles, based on individual interests. Six studio hours per week. Prerequisite: AR 219 and supervisor's permission, or permission of instructor. May be repeated for credit. Either semester.

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

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

331 Studio in Sculpture (3 credits). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. Six studio hours per week. Advisable to take AR 231 and AR 232 prior to AR 331. May be repeated once for credit.

341 Studio in Creative Photography (3 credits). Advanced study of photographic techniques. Emphasis on the creative approach to picture taking and printing. Two hour lecture and four studio hours per week. Adjustable camera required. Advisable to take AR 251 prior to AR 341. May be repeated for credit.

346 Studio in Creative Photography, Color Printing (3 credits). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing in color. Two hour lecture and four studio hours per week. Adjustable camera required. Advisable to take AR 261 prior to AR 346. May be repeated for credit. Either semester.

351 Secondary School Art Methods (3 credits). Art education on the junior high school and senior high school levels. Two hours lecture and two hours lab per week. Fall semester.

356 Studio in Advertising Illustration (3 credits). Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis building a portfolio. Six studio hours per week. Advisable to take AR 203 and AR 204 prior to AR 356. Either semester. May be repeated for credit.

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

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

411 Studio in Life Drawing (2 credits). An advanced life drawing class with emphasis on a general anatomical study of the human figure. Four studio hours per week. Prerequisite: AR 111, 112, AR 211 and consent of instructor. May be repeated for credit.

415 Studio in Painting (3 credits). Preparation for graduate study in opaque or transparent media. Six studio hours per week. Advisable to take AR 216 prior to AR 415. May be repeated for credit.

417 Studio in Painting: Watercolor (3 credits). Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 417. May be repeated for credit.

419 Studio in Metals (3 credits). Continued study in materials and methods (advanced) of jewelry-making and metalsmithing as they apply to the creative artist and teacher. Prerequisite: AR 221, 222, 307, 308. May be repeated for credit.

425 Studio in Ceramics (3 credits). Continued study in the materials of ceramics, with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Six studio hours per week. Advisable to take AR 325 and AR 326 prior to AR 425. Individual instruction will be given. May be repeated for credit.

431 Studio in Sculpture (3 credits). Continued study in the material and methods of the sculptor with emphasis on welded steel and metal casting. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 431. May be repeated for credit.

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

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

521 Teaching through Experimental Art Media (3 credits) (previously approved for Elementary Master's Degree). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, however, most work will be done in class. A reading bibliography will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

522 Teaching Through Experimental Art Media (3 credits). Every other year summer school only. Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required; however, most work will be done in class. A reading bibliography will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

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

580-589 series Selected Topics (3 credits each topic). An opportunity for the student to work independently with a particular teacher in a specific area of study or media. A total of nine credits allowable which may be divided into several areas of concentration determined by the graduate student and committee.

580 Selected Topics - Photography
581 Selected Topics - Painting
582 Selected Topics - Crafts
583 Selected Topics - Sculpture
584 Selected Topics - Photography
585 Selected Topics - Ceramics
586 Selected Topics - Printmaking
587 Selected Topics - Designing
588 Selected Topics - Illustration
589 Selected Topics - Art History

591 Project (6 credits). See below.

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

A. A scholarly paper embodying results of original research which is used to substantiate a specific view.
B. Three written reports directed toward the student's particular area of study.
C. A curricular proposal in written form which could be considered for implementation in the schools.
D. A one-person art show with a full faculty review.
E. A submitted portfolio of work with a full faculty review.

Prerequisite: Graduate status.

598 Seminar in Art (3 credits. previously approved for Elementary Master's Degree). Upon selection of an approved topic, the student will research it thoroughly, present an important bibliography, and present an oral report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. Prerequisite: Graduate standing.

DEPARTMENT OF BIOLOGY
Chairman and Assistant Professor: Dr. Russell J. Cantanni; Professors: Baker, Fitchman; Associate Professors: Belpak, Fuller, Jones, Kelley, Paperluss, Wyllie; Assistant Professors: Long, McCloskey, Rychert, Wicklow.

REQUIREMENTS FOR BIOLOGY MAJOR

1. Bachelor of Science Option

1. General University and Baccalaureate Degree
Requirements see pages 17-19. 30

2. Major Requirements

A. Biology

1. Biology Core

   1. General Botany
   4
   2. General Zoology
   4
   3. Cell Biology
   3
   4. Seminar
   1

   2. Physiology - one course

   1. Plant Physiology
   4
   2. Mammalian Physiology
   4
   3. General & Comparative Physiology
   4

   CREDITS: 45
SCHOOL OF ARTS & SCIENCES

Biology

RELATED PROGRAMS

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

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

BIOLOGY MAJOR
Bachelor of Science
(Suggested Program)

FRESHMAN YEAR

1st SEM. 2nd SEM.

English Composition ....... 3 3
College Chemistry ....... 4 5
Mathematics ........... 5 5

16 17

SOPHOMORE YEAR

1st SEM. 2nd SEM.

Cell Biology ....... 3 3
Elementary Organic Chemistry .... 3 3
Biology Electives ....... - 4
Area I Electives ....... 6 3
Area II Electives ....... 3 3

15 16

JUNIOR YEAR

1st SEM. 2nd SEM.

Area I/II Electives ....... 3 3
Biology Electives ....... 10 10
Other Electives ....... 3 3

16 16

SENIOR YEAR

1st SEM. 2nd SEM.

Biology Seminar ....... 1 -
Biology Electives ....... 8 8
Other Electives ....... 7 8

16 16

FORESTRY AND WILDLIFE MANAGEMENT

FRESHMAN YEAR

1st SEM. 2nd SEM.

English Composition ....... 3 3
Essentials of Chemistry ....... 4 5
Mathematics ........... 5 5

16 17
This course is recommended for those students desiring a two-semester course in the sequence with either B-101 or B-102. Students who have received credit for 100 Concepts of Biology (4 credits) will not receive credit for B-100. Three lectures and one two-hour laboratory period per week. Each semester.

101-102 General Biology (4 credits). A general one-year introduction into the study of plant and animal biology, with an emphasis on the behavior of organisms. Emphasis on the basic principles which relate to their internal organization. This course is recommended for those students desiring a two-semester course in biological sciences. Three lectures and one two-hour laboratory period per week. Sequence beginning Fall semester.

200 Man and the Environment (3 credits). A course designed to reveal the impact of man on the environment with emphasis on the biological, economical, and social factors involved with the use of the environment by man. Three 50-minute lectures per week. Each semester.

205 Microbiology (4 credits). A survey of microbiology with an emphasis on microbial diversity, structure, and metabolism; principles of microbial control, host-parasite relationships, and immunology; and an introduction to medical microbiology. This course is recommended for students planning careers in the biological sciences. Biology majors may not substitute this course for General Bacteriology. Three lectures and one two-hour laboratory period per week. Each semester.

225 Cell Biology (3 credits). A study of prokaroytic and eukaryotic cells, their specialization, and the structure, function, and variations in their cellular organelles. The mechanism of mitosis, meiosis, chromosomal aberrations, interactions of nucleus and cytoplasm, and cytological methods will be considered. Three lectures per week. Prerequisites: One year of college biology and concurrent or prior enrollment in organic chemistry. Spring semester.

302 Plant Anatomy (3 credits). This course is designed to acquaint the student with the internal structure of plant tissues, tissues and organs from a developmental standpoint. This study will be limited to the higher plants with emphasis on the Angiosperms. Two lectures and one three-hour laboratory per week. Each semester.

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


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

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

423 Bioecology (3 credits). A survey of the physical factors of the environment and the biological adaptations of organisms and their effect on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisites: BT-130 and B-225 or equivalent. Fall semester.

424 Bioecology Laboratory (1 credit). Field investigations into the broad areas of aquatic and terrestrial eco-systems. Study of populations and community dynamics. Three lectures per week. Prerequisites: BT-130 or equivalent. Fall semester.

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

Upper Division

302 Plant Anatomy (3 credits). This course is designed to acquaint the student with the internal structure of plant tissues, tissues and organs from a developmental standpoint. This study will be limited to the higher plants with emphasis on the Angiosperms. Two lectures and one three-hour laboratory per week. Each semester.

322 Freshwater Algae (4 credits). A study of the several divisions of freshwater algae, with emphasis on identification and pollution problems related to algae growths. The study would also include discussion of life cycles emphasizing how this knowledge might be used to eradicate noxious types and utilize beneficial types to recycle waste water. The course will consist of 2 lectures and 2 three-hour laboratory periods per week. Three one-hour field trips will be taken during these laboratory periods. Prerequisites: BT-130 and B-225. Fall semester.

401 Plant Physiology (4 credits). Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of cells, tissues and organs functions, the mineral requirements of the plant, its metabolism, water, nitrogen, photosynthesis, compounds and photosynthesis, plant nutrition, maturing, and growth. Three lectures and one three-hour laboratory period per week. Three one-hour field trips will be taken during these laboratory periods. Prerequisites: BT-130 and B-225. Fall semester.

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

Lower Division

101 General Forestry (2 credits). A general survey of the entire field of forestry, the history and social importance of forestry, timber management and propagation of the important trees of the U.S. One 2-hour lecture per week. Spring semester.

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

130 General Zoology (4 credits). The fundamentals of animal structure, physiology, development, heredity, evolution, adaptations, and life histories. Three hours of lecture and one three-hour laboratory period per week. Each semester.

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SCHOOL OF ARTS & SCIENCES
Chemistry

306 Entomology (4 credits). A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course includes exercises in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: B-225 or consent of instructor. Students are required to meet with the instructor sometime during the academic year which precedes their enrollment in this course in order that they may commence their collecting of specimens during the more productive summer months. Fall semester.

307 Invertebrate Zoology (4 credits). Morphology, phylogeny and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Two lectures and two 3-hour laboratories per week. Prerequisite: Z-130 or consent of instructor. Alternate with BT-322 or Z-361 Spring semester.

341 Ornithology (3 credits). A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one three-hour laboratory period each week. Prerequisite: Natural History of the Vertebrates or consent of the instructor. Alternates with Ornithology and is thus offered on even numbered years. Spring semester.

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

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

361 Microtechnique (3 credits). A study of the theory and practical application of procedures involved in fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. One hour lecture and two 3-hour laboratory periods per week. Prerequisite: One year of college biology or consent of instructor. Alternates with BT-322 or Z-307 Spring semester.

400 Vertebrate Histology (4 credits). A course dealing with the microscopic anatomy of cells, tissues, and organ systems of vertebrates with major emphasis on mammalian systems. Two one-hour lectures and two three-hour laboratories. Prerequisite: B-225 and either Comparative Anatomy or Vertebrate Embryology are recommended. Fall semester.

401 Mammalian Physiology (4 credits). Lectures and laboratory exercises in animal physiology dealing with the basic physiological functions of cells, tissues, and organ systems of vertebrate animals with emphasis on mammals. Prerequisite: Z-130, B-225 and Elementary Organic Chemistry. Three lectures and one 3-hour laboratory period per week. Spring semester.

409 General and Comparative Physiology (4 credits). A lecture and laboratory course in animal physiology. General physiological principles, using specific invertebrate and vertebrate groups as examples and physiological adaptations necessary to meet specific environmental challenges are discussed. Laboratory experiments utilizing a number of animal species are conducted. Three hours lecture and one 3-hour lab per week. Prerequisites: Z-130, B-225 and Organic Chemistry. Spring semester.

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

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

DEPARTMENT OF CHEMISTRY

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

REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option:
   1. General University and Baccalaureate Degree Requirements. See pages 17-19.
   2. Major requirements:

   A. Chemistry
      College Chemistry
      Organic Chemistry
      Physical Chemistry
      Analytical Chemistry
      Advanced Inorganic Chemistry
      Instrumental Analysis
      Chemistry Seminar
      Independent Study
      

   B. Mathematics
      Completion of Mathematics through Calculus M-206.

   C. Physics
      

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

(Suggested Program)

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
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<tr>
<td>English Composition</td>
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<tr>
<td>Mathematics</td>
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<td>Degree Requirements</td>
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<tr>
<td>Physics I</td>
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SOPHOMORE YEAR

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<td>Quantitative Analysis</td>
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<tr>
<td>Mathematics</td>
<td>4</td>
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<tr>
<td>Physics II and III</td>
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<td>3</td>
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<td>Physics Lab I and II</td>
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<td>Degree Requirements</td>
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<td></td>
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JUNIOR YEAR

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<tr>
<td>Physical Chemistry</td>
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<tr>
<td>Organic Chemistry</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Degree Requirements or Electives</td>
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<td></td>
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SENIOR YEAR

<table>
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<th>COURSE</th>
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<tr>
<td>Chemistry Seminar</td>
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<tr>
<td>Advanced Inorganic</td>
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<tr>
<td>Instrumental Analysis</td>
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<tr>
<td>Independent Study</td>
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<td></td>
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</table>

II. Secondary Education Option:

1. General College and Baccalaureate Degree Requirements. See pages 17-19.

2. Major Requirements:

   A. Chemistry
      Completion of Mathematics through Calculus M-206.

   B. Mathematics
      Completion of Mathematics through Calculus M-206.

   C. Physics
      

   3. Education Requirements
      Foundations of Education
      Educational Psychology
      Secondary School Methods
      Secondary Student Teaching
      Education Electives
SOPHOMORE YEAR:

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

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

Course Offering

A. Required courses

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

B. Elective courses

Additional courses as planned by the student and his graduate committee. GO-571 Geochemistry is to be included as an elective in the chemistry emphasis.

Additional Information

A. Students may use six (6) credits of 400G level courses to partially fulfill the degree requirements providing the graduate committee so approves.

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

C. CHEMISTRY

100 Concepts of Chemistry (4 credits). A descriptive non-mathematical course designed to acquaint students with the science of chemistry and chemistry's relationships to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve a part of a Chemistry sequence. Students who have received credit for C-109 or C-133 may not receive credit for C-100. Three lectures and one 3-hour laboratory per week. Each semester.

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

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

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

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

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

131 College Chemistry (3 credits). The first semester of a one-year sequence course. A thorough study of the fundamentals of chemistry including atomic and molecular structure, stoichiometry, physical states and solutions. Three lectures per week. Prerequisite: High school chemistry or C-103 or concurrent enrollment in C-103. Concurrent enrollment in C-132 is required. Fall semester.

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

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

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

207-208 Elementary Organic Chemistry (3 credits). An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry C-131-132-133-134. Each semester.

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

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

Upper Division

317-318 Organic Chemistry Lecture (3 credits). A comprehensive study of organic compounds with emphasis on reaction mechanisms and synthesis. Designed to fulfill the requirements of Chemistry majors, Chemical engineers, and professional and preprofessional students. Three lectures per week. Prerequisite: Chemistry C-131-132-133-134. Each semester.

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

321-322 Physical Chemistry Lecture (3 credits). The fall semester will cover gases, point symmetry, absorption, molecular structure and quantum theory (briefly) and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibrium, electrochemistry and adsorption. Three lectures a week. Prerequisites: Chemistry C-131-132-133-134. General Physics PH-102 or Physics 221 and Calculus and Analytic Geometry M 226 or equivalent. A year sequence (fall and spring).

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

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

401-402 Advanced Inorganic Chemistry (2 credits). The first semester will cover atomic and molecular structure periodic properties, acid-base properties and the chemistry of the elements. The second semester includes chemical bonding, complexes, coordination compounds, nonequilibrium solutions and nuclear reactions. Two lectures per week. Prerequisite: two years of college chemistry. Each semester.

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SCHOOL OF ARTS & SCIENCES
Communication

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

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

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

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

488, 498 Chemistry Seminar (1 credit). Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry Major and Senior standing. Each semester.

Graduate

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

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

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

611 Advanced Analytical Chemistry (3 credits). Stoichiometry involved in separations and instrumental methods of analysis. The course will be flexible in nature to adapt to the varied background of the expected students. Prerequisite: Quantitative Analytical Chemistry or consent of instructor. One lecture and two three-hour labs per week. Fall semester.

615 Nuclear and Radiochemistry (3 credits). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, interaction of radiation with matter, detection of radiation, applications. Prerequisite: One year of general chemistry. Spring semester.

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

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

DEPARTMENT OF COMMUNICATION
Chairman and Professor: Dr. Robert R. Boren; Associate Professors: Boylan, Gaphart, Pitman; Assistant Professors: Barry, DeMoux, Raybom; Instructors: Craner, Riley.

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general university requirements for Bachelor of Arts degree as listed on pages 17-18.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CM 111 - Fundamentals of Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 201 - Methods of Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>CM 221 - Communication Process</td>
<td>3</td>
</tr>
<tr>
<td>CM 421 - Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 498 - Communication Seminar</td>
<td>2</td>
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<td>Courses for Area of Emphasis</td>
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<td>Total</td>
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</table>

COMMUNICATION MAJOR
Bachelor of Arts Program
(Suggested Programs)

INTERPERSONAL COMMUNICATION EMPHASIS

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

   A. CM 131 Listening
      CM 251 Communication in the Small Group
      CM 307 Interviewing
      CM 431 Small Group Process

   B. CM 171 Mass Communication: Concepts and Perspectives
      CM 341 NonVerbal Communication
      CM 351 Intercultural Communication
      CM 361 Organizational Communication
      CM 412 Persuasion
      CM 478 Public Relations

   C. CM 321 Rhetorical Theories
      CM 331 Message Analysis and Criticism
      CM 332 Contemporary Public Communication

   D. CM 112 Reasoned Discourse
      CM 113 Competitive Speaking
      CM 121 Voice and Diction
      CM 231 Message Composition and Presentation
      CM 241 Oral Interpretation
      CM 271 Journalistic Communication: Theory and Practice
      CM 273 Reporting and News Writing
      CM 312 Applied Speech Communication
      CM 451 Communication Practicum
      CM 471 Radio-TV Newswriting

   Total 40-43

MASS COMMUNICATION EMPHASIS:

1. General College Requirements
2. Departmental Core Requirements
3. Education requirements. (See Section VI: Secondary Education)
4. Suggested Courses, as follows:

   A. CM 171-172 Mass Communication: Concepts and Perspectives
   CM 271-272 Journalistic Communication Theory and Practice

   Total 40

SECONDARY EDUCATION EMPHASIS:

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

   A. CM 241 Oral Interpretation
   CM 401 Methods of Teaching Communication

   B. CM 112 Reasoned Discourse
   CM 113 Competitive Speech
   CM 121 Voice and Diction
   CM 131 Listening
   CM 231 Message Composition and Delivery
   CM 312 Applied Speech Communication
   CM 451 Communication Practicum
   CM 481 Communication Practicum

   Total 2 or 3

   D. CM 321 Rhetorical Theories
   CM 331 Message Analysis and Criticism
   CM 332 Contemporary Public Communication

   Total 3
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

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

ENGLISH

Literature Survey ................................................................. 6
Composition above the basic sequence ........................................... 6
Introduction to Language Study, LI 305 ........................................... 3
Literature electives (UD) .............................................................. 12

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

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

* 3 hrs. in courses before 1800

B. With Communication emphasis: Departmental requirements

COMMUNICATION

Fundamentals of Speech Communication, CM 111 .................................. 3
Methods of Inquiry, CM 201 ................................................................. 3
Communication Process, CM 221 ......................................................... 3
Communication, CM 351 ................................................................. 3
Organizational Communication, CM 361 ........................................... 3
Theories of Communication, CM 421 .................................................. 3

Electives (UD) .................................................................................. 18 hrs.

ENGLISH

Literature Survey ................................................................. 6
Humanities HU 207 or 208 ................................................................. 3
Advanced Writing & Linguistics ......................................................... 9

Electives (UD) .................................................................................. 18 hrs.

N.B. ELECTIVES:

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

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

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

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

1 British or American. Student should consider upper-division courses he will want to take.

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

3 To be chosen from E 201, Technical Writing, LI 305, LI 307, LI 309.

COURSES

CM COMMUNICATION

Lower Division

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

111 Fundamentals of Speech-Communication (3 credits). Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts. Students may not earn credit in both CM-111 and CM-112.

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

113 Competitive Speaking (3 credits). A concentrated study of and practice in competitive debate using the current intercollegiate debate topics. Prerequisite: permission of the instructor. Either semester.

114 Intercollegiate Debate (1 credit). Preparation for and participation in intercollegiate debate; for example: expository, persuasive, oratorical, interpretive and extemporaneous speaking. Either semester.


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


201 Methods of Inquiry (3 credits). Introduction to the Philosophy of Science as applied to the study of communication. Emphasis on various techniques of research and the requirements for the conduct, reporting, and criticism of research.
375 Student Publications Techniques (2 credits). A survey of techniques of writing, editing, layout, and design. Students without formal training or experience in journalism will develop skills in newspaper production both by classwork and by work on the student newspaper. Students will meet in regular class and lab session under the supervision of the instructor. Each semester.

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

378 History of Mass Communication (3 credits). Traces the development of the concepts, theories and practices of mass communication. Primary focus on the emergence of the mass media as a disseminator of news, opinion, entertainment and advertising. Prerequisite: Upper standing. Fall semester.


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

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

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

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

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

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

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

472 Editorial and Feature Writing (3 credits). A study of methods of gathering material, constructing, and writing editorials, feature articles or programs and scripts for mass media. Fall semester.

476 Public Relations (3 credits). Analysis of public relations media and methods. Public relations as a management tool; identifying and reaching the various publics. Practice in writing publicity releases. Spring semester.

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

DEPARTMENT OF ENGLISH

Chairman and Professor: Dr. Charles G. Davis; Professors: Boyer, Chatterton, Wright; Associate Professors: Maguire, Peak, Wallace, E. Willis; Assistant Professors: Ackley, Burnham, Chambers, Coco, Evett, Hadden, Hansen, King, Lebby, McGuire, Mullaney, Nickerson, Sahn, Sanderson, Selander, Townsand, Trusky, Warner.

*1977-78 on leave.

REQUIREMENTS OF ENGLISH MAJORS

Bachelor of Arts Degree

I. Completion of general university requirements for Bachelor of Arts. See Pages 17-18.

II. Completion of Departmental Core

1. Specific Courses
   a. Survey of British Literature (E-240 and E-260) ... 6
   b. Shakespeare (E-345 or E-346) ... 3
   c. Introduction to Language Studies (LI-305) ... 3
   d. History of Literary Criticism (E-393) ... 3
   e. Senior Seminar (E-498) ... 2
2. Area Requirements
   a. American Literature (E-270, E-377, E-378 or E-384) ................. 3

III. Completion of Departmental Option
1. Liberal Arts Option
   a. Competence in a Foreign Language equivalent to two years of university instruction. 
   b. History of the English Language (LI-309) 3
   c. Upper Division English Electives 15
2. Secondary Education Option
   a. Applied English Linguistics (LI-307) 3
   b. English Methods Courses (E-301 and E-381)** 6
   c. Oral Interpretation (CM 241) 3
   d. Upper Division English Electives 9
   e. Idaho Certification requirements

Grand Total
1. Liberal Arts Option - General university requirements, plus 44 hours in major subject, plus equivalent of 2 years of a foreign language.
2. Secondary Education Option - General university requirements plus 35 hours in major subject, plus professional courses in certification. (See Part V for required Professional Education courses).

*Fulfills Area I requirements.
**Fulfills part of certification requirements.

Suggested Teaching Minor in English

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

Advanced Composition ........................................ 3
Linguistics .................................................. 3
E-301 or E-381 ........................................... 3
Survey of American Literature 4
Lower Division Literature 6*
Upper Division Literature 6

*Recommended: Humanities, HU 207 and HU 208; World Literature, E-230 and E-235; British Literature, E-240 and E-250.

COMBINED MAJOR: COMMUNICATION — ENGLISH

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

Refer to page 43 under the Department of Communication for the listing of requirements.

Graduate Program Master of Secondary Education - English Emphasis

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

Program Requirements

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

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

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

   33

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

   E-500 .................................................................. 3
   Graduate English electives (except E-501) 15
   Education Core (TE-560) 6
   General graduate electives (may include E-501) 9
   Examination on English coursework ........................................... 33

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

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

E ENGLISH

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

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

Lower Division

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

101 English Composition (3 credits) Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage. Prerequisite: ACT score 20 or Sin Developmental Writing. Each semester.

102 English Composition (3 credits) Advanced practice in expository writing, including analysis and interpretation of imaginative literature. Study of the relationship between literature and human experience. Prerequisites: E-101 or consent of Department Chairman. Each semester.

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

120 English as a Second Language (3 credits) Basic skills in American English pronunciation, sentence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking and listening to current American English; reading and vocabulary development; elementary principles of English Composition. Prerequisites: Admission to College, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

121 English as a Second Language (3 credits) Continuation of E-120 with special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to College, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.
composition into all the other aspects of the total English program. Limited to
based on evaluation of student's original work. Spring semester.
201 Advanced Expository Composition (3 credits). An advanced writing course for
students who wish to develop skills beyond those acquired in English Composition.
Students examine specimens of professional writing as well as criticising the work of
other students. Extensive writing practice stressing organization, clarity and
effectiveness. Prerequisite: E 102 or consent of Department Chairman. Each semester.
202 Technical Writing (3 credits). Practice in writing the main kinds of reports used
in the sciences, social sciences, health sciences, and other fields in which writing
about facts and ideas must be accurate and unambiguous. Students will work on
improving the logic, organization, and persuasiveness of their writing. They will
practice techniques of research and documentation in their respective fields. Will not
fulfill Area I graduation requirements. Either semester. Prerequisite: E 102 or consent of
department chairperson.
203 Creative Writing—Poetry (3 credits). Prerequisite: instructor's consent based on
evaluation of student's original work. Fall semester.
204 Creative Writing—Fiction (3 credits). Short story or playwriting. Prerequisite:
instructor's consent based on evaluation of student's original work. Spring semester.
211 The Bible As Literature (3 credits). A study of selected portions of the Old and
New Testaments as they illustrate, primarily, major literary types. Prerequisite: E 102 or consent of
Department Chairman. Fall semester.
213 Afro-American Literature (3 credits). The Black experience as reflected in the
development of Black American literature. This course relates Afro-American
classical to its social and cultural conditions. It explores recurrent and characteristic
topics, techniques, and genres. The course will be based on works written from the
presentation of Black writing from the 1930's to the present day. Prerequisite E 102
Fall semester.
215 Far Eastern Literature, In Translation (3 credits). A survey of literature of Far
Eastern countries with the major emphasis on China, India, and Japan. Included will
be an introduction to the cultural and religious milieu of each country covered in the
course. Prerequisite: E 102 or consent of Department Chairman. Fall semester.
217 Mythology (3 credits). Thematic approach to mythology. Covers creation myths,
death rituals, and cultural concepts of the hero. Includes material relating myth to
religion, the occult, modern psychology, literature, and general Western culture.
Prerequisite: E 102. Fall semester.
219 North American Indian Folklore and Literature (3 credits). A comparative study of traditional Native American beliefs and practices as reflected in authentic
oral narratives and creative written literature. The course is intended to provide a
background for understanding the literature of American speaking people. Prerequisite:
E 102. Fall semester.
230 Western World Literature (3 credits). This course is an introduction to the
cultural and literary history of Western civilization through some of the best plays,
short stories, and novels written in English prose. Reading includes works from ancient Greek, Roman, imperial Rome, medieval Europe, and Renaissance Europe. Prerequisite: E 102. Fall semester.
232 American World Literature (3 credits). A continuation of E 230, which focuses on the survival and reassertion of traditional Western values and attitudes along with the skepticism and rebellion which has become characteristic of more recent times. Reading includes selections from the sixteenth century to the twentieth century. Prerequisite: E 102. Spring semester.
240 Survey of British Literature to 1790 (3 credits). A study of the major works, authors, and developments in English literature. The course is intended to provide a
background for understanding the literature of English speaking people. Prerequisite:
E 102. Fall semester.
250 Survey of British Literature: 1790 to Present (3 credits). A study of the major works, authors, and developments in English literature of the past 200 years.
The course continues the coverage of E 240 to the present. Prerequisite: E 102. Spring semester.
270 Survey of American Literature (4 credits). The course traces the artistic,
philosophic, social, scientific, and intellectual influence of American writers and the
emergence of an independent American outlook. Reading is selected from American
authors representative of their times. Prerequisite: E 102. Each semester.

Upper Division
301 Teaching English Composition (3 credits). Methods and techniques for
teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to
teachers, with a secondary option and a major or minor in English, or consent of the department. Prerequisites: Upper Division standing, and LI 305, Instructional Diversity, or instructor's consent.
303 Advanced Poetry Composition (3 credits). Prerequisite: instructor's consent based on evaluation of student's original work. Spring semester.
304 Advanced Fiction Composition (3 credits). Short story or playwriting.
Prerequisite: instructor's consent based on evaluation of student's original work. Fall semester.
320 Non-British Western World Drama (3 credits). A survey of major European dramatists from Aeschyus to Anouilh, with special emphasis on the composition and
contrast of the Greek, Renaissance, and modern periods. Also included is material on the development of European theatre during the rise and fall of the dramatic devices, and the adaptation of various kinds of drama to the periods covered. Prerequisite: Upper Division standing or consent of the Department Chairman. Either semester.
330 Nineteenth Century Continental Literature (3 credits). A study (in translation) of major European writers of the Nineteenth Century. This will be offered each semester, but keep within a chronological approach stressing the relationship of literature to the socio-economic and political conditions of the times. Included are works by Goethe, Stendhal, Flaubert, Dostoevsky, and Tolstoy. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Fall semester, alternate years. To be offered 1978-79.
339 Twentieth Century Continental Literature (3 credits). The readings (in translation) used for Twentieth Century Continental Literature especially emphasize twentieth century philosophical traditions and cultural themes. Included in the course are works by Mann, Mauriac, Kafka, Herzog, and Sartre which examine mythology, existential, religious, and political themes in relation to
temporary human values. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-1979.
340 Chaucer (3 credits). A study of representative works of Geoffrey Chaucer with emphasis on The Canterbury Tales and Troilus and Criseyde. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester. alternate years. To be offered 1978-1979.
342 Medieval Epics and Romances (3 credits). A study of representative English
and Continental epics and romances, which include Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes' Arthurian Romances, The Song of Roland, The Mabinogion, and The Faerie Queene. Prerequisite: Three credits lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1975-1978.
345 Shakespeare: Tragedies and Histories (3 credits). A study of representative Shakespearean Tragedies and Histories. Prerequisite: Three credits lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1977-1978.
346 Shakespeare: Comedies and Romances (3 credits). A study of representative Shakespearean Comedies and Romances. Prerequisite: Three credits lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1976-1979.
350 Earlier Seventeenth Century Non-Dramatic Literature (3 credits). A study of poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Addison in the first two centuries of the 17th century. Prerequisite: Three credits lower division literature or consent of Department Chairman. Alternate years, fall semester. To be offered 1977-78.
351 Milton (3 credits). A study of selected prose and poetry of John Milton with special emphasis on Paradise Lost and Paradise Regained. Prerequisite: Three credits lower division literature or consent of Department Chairman. Alternate years, fall semester. To be offered 1977-78.
359 British Novel: Beginnings through Scott (3 credits). A study of the development of the novel, tracing its roots and exploring the work of De Foe and the "big four"—Stevenson, Fielding, Smollett and Sterne, through the emergence of the sophisticated novels of Jane Austen and the histori
cal romances of Scott. The emergence of the most popular genre of literature helps us understand how fiction and literature became the " ENTERTAINMENT" gave way to modern
romantic novels. Other authors read usually include Fielding, Sterne, Gray, Gibbon, Burke, and Blake. Prerequisite: Three credits lower division literature or consent of Department Chairman. Either semester. alternate years. To be offered 1978-79.
385 Victorian Poetry (3 credits). A study of representative works from the writings of
Tennyson, Browning, Arnold, and their contemporaries, up to and including


Thomas Hardy. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1977-78.

386 Victorian Prose (3 credits). A study of the intellectual and spiritual crises of mid-19th century Britain, as represented in the non-fiction prose of such writers as Carlyle, Arnold, J.S. Mill, Hussey, Newman, and Ruskin. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

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

377 American Renaissance (3 credits). A study in a second generation of the American literature in which such leading writers as Hawthorne, Melville, Emerson, Thoreau, Poe and Whitman, acting under the varied impulses of Puritanism, Romanticism and Idealism, created the first universal vision of human experience in American literature. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

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

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

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

385 Twentieth-Century Anglo-American Fiction (3 credits). This course is designed to acquaint the student with the development of the English novel from the end of the last century and the pioneers in the works of such writers as Woolf, Eliot, Joyce, Lawrence, 'O'Connor, Steinbeck, Welty, and others. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

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

390 Folklore (3 credits). Study of what folklore is, its written and oral traditions, its different genres. Prerequisite: E-102 and junior standing or consent of Department Chairman. Either semester.

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

401, Advanced Writing (3 credits). Writing for the student who wants advanced training in expressing ideas. The emphasis is on development of a personal style, and the student learns the fundamentals of technique and their appropriateness for a specific audience. Will not fulfill Area I requirement for graduation. Either semester. Prerequisite: Permission of the instructor or E-201.

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

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

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

Graduate

The introductory seminar (E-500) is prerequisite to other 500 level seminars. However, with the consent of the candidate's committee, the student may concurrently take another seminar. With the exception of E-501 and E-597, all seminars must be in English literature and British and American literature and linguistics, though they may cover influences from other literatures. A maximum of six hours in 400G English courses may be substituted for seminar work in the English core. E-501 may be taken as a general elective but may not be counted toward a student's English core.

Since the content of courses E-510, E-520, E-530, E-540, E-550, E-560, E-570, or E-597 may overlap with the seminar requirements, the student may apply several of these courses for credit but may not count more than six hours toward his English core.

487 G and 488G see above.

500 Introductory Seminar (3 credits). An examination of a well-defined theme or problem, or an investigation into a major author. Research papers and written reports are required. The controlling subject to be performed by students under careful supervision of the instructor. An introduction to bibliography and an orientation to bibliographic sources. Prerequisite: Admission to the Graduate Program or consent of the English Department Chairman.

501 The Teaching of Writing (3 credits). A study of theories and methods of teaching writing for experienced teachers and those planning careers in teaching. Special emphasis on the development of the learning process in writing courses such as those of Moffett, Murray, Judy, Elbow, and Macrorie, and on the teacher's role in helping the individual student. Prerequisite: E-500 and teaching experience or consent of the English Department Chairman.

506 Linguistics (3 credits). A study of modern linguistic theories and their application to literary texts and to the teaching of English. An examination of the ways in which traditional, structural and transformational grammars have been applied to demonstrative uses in linguistics. Prerequisite: E-500 and a linguistics course equivalent to LI-305 or consent of English Department Chairman.

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

520 Genre (3 credits). A study of a well-defined literary category, such as novel, short story, epic, or tragedy. Examination of representative texts in order to discover the evolution of a specific literary genre while at the same time establishing its typical features. Prerequisite: E-500 or consent of English Department Chairman.

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

540 Myth in Literature (3 credits). An exploration of the use of myth in literature, both as a structuring influence as well as a source of content. While attention will be given to the critical classification of myth itself, focus will be on the ways it enters into the conscious creation of fictive art. Mythic myths may be explored, such as the quest, the initiation, the Adamic myth in American literature, or the functions of myth in the works of major authors such as Milton, Melville, T. S. Eliot, Joyce. Prerequisite: E-500 or consent of the English Department Chairman.

550 Literature and Culture (3 credits). A study of the reciprocal relationship between a selected body of literature and the social, economic, and political forces that shape or are shaped by it. An examination of the ways in which literary form and content are influenced by culture as a whole. Prerequisite: E-500 or consent of English Department Chairman.

560 Folklore (3 credits). An examination of materials selected from oral tradition and custom to be paid to is analysis of cultural values and the role of folklore in the classroom. Prerequisite: E-500 or consent of English Department Chairman.

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

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

596 Reading and Conference (3 to 6 credits). A project may include, but is not limited to, a library research, an experiment in some aspect of teaching methodology or preparation of written curriculum with teaching materials. Prerequisite: Admission to candidacy and approval of the student's graduate committee.

HU HUMANITIES

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

305 Introduction to Language Studies (3 credits). A general survey of contemporary language studies. It is carried on in the light of linguistics, ethnology, semantics, psychology, and communication theory. Prerequisite: English 102 or consent of Department Chairman. Fall semester.

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

307 History of the English Language (3 credits). A study of the periods in the development of English: Old, Middle, and Modern, with emphasis on the development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. Prerequisite: E-500 or consent of Department Chairman. Spring semester.

400M Modern English Structure (3 credits). An approach to modern English based on the study of English grammar. Prerequisite: English 102 or consent of Department Chairman. Each semester.

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GERMAN MAJOR

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

1. Completion of general college requirements for Bachelor of Arts degree as listed in the Bulletin.
2. The program has a minimum of 36 semester hours of upper division work (300 and 400 levels), 30 of which must be in German.
3. 12 credit hours of the German work must be on the 400 level.
4. Majors with the Secondary Education Option must take FL 412 and G 410 as part of the 20 credit hours toward certification.
5. The candidate for the BA in German, Liberal Arts Option, must successfully complete one Senior Seminar.
6. The program must be developed in consultation with the major advisors and the department chairman.
7. The candidate must demonstrate his or her level of language competency in German on the MLA or equivalent examination during the last semester in the program.

SPANISH MAJOR

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

1. Completion of general college requirements for Bachelor of Arts degree as listed in the Bulletin.
2. The program has a minimum of 36 semester hours of upper division work (300 and 400 levels), 30 of which must be in Spanish.
3. 12 credit hours of the Spanish work must be on the 400 level.
4. Majors with the Secondary Education Option must take FL 412 and S 410 as part of the 20 credit hours toward certification.
5. The candidate for the BA in Spanish, Liberal Arts Option, must successfully complete one Senior Seminar.
6. The program must be developed in consultation with the major advisors and the department chairman.
7. The candidate must demonstrate his or her level of language competency in Spanish on the MLA or equivalent examination during the last semester in the program.

REQUIREMENT FOR A FOREIGN LANGUAGE TEACHING MINOR

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

Placement Test

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

COURSES

FL FOREIGN LANGUAGE

110 Applied Phonology: French, German, Italian (3 credits). Phonetic description and an acoustic analysis of French, German, and Italian languages, especially designed for students in vocal music and related areas. This course may be taken concurrently with any foreign language offered. Fall semester, alternate years. Offered in 1977-78.

412 Teaching Methodology in Foreign Languages (3 credits). This course is designed for prospective and practicing foreign language teachers. Theoretical discussions of various problems and trends in language learning will be applied to practical issues in order to illustrate how the proposed activities and techniques can facilitate language acquisition. Emphasis on an examination of Foreign Language objectives, methods of instruction, and cultural content, with special reference to classroom settings and interaction, testing and evaluation, educational media and language laboratory, resources and bibliography. Each student is encouraged to develop innovative and creative means of teaching. Local foreign language, secondary classrooms will be visited. Final grade based on: class contribution, readings, written projects, practical, and final examination in all of which a foreign language competency is assumed. Prerequisites: a minimum of 9 upper division credits in one foreign language (3 hrs in Composition and Conversation, 3 hrs in Culture and 3 hrs in Literature) or permission of the instructor and chairperson. Spring semester.

F FRENCH

Lower Division

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

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

Upper Division

301-302 Survey of French Literature (3 credits). An introduction to the major writers and trends of the French literary tradition. Selections and complete works of poetry, fiction, theatre, and essay are studied. In the first semester, the Middle Ages through the 18th century are covered; in the second semester, the 19th and 20th centuries. Classes are conducted in French. Prerequisite: F 201-202 or demonstrated proficiency. Meets the literature requirement for baccalaureate degrees. Offered alternate academic years. Not offered in 1976-77.

303-304 French Composition and Conversation (3 credits). Intended to further stimulate clarity, simplicity, and precision in oral and written French; and to lay the foundations for literary studies. Class conducted in French. Prerequisite: F 201-202 or demonstrated proficiency. Offered in alternate academic years.

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

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

G GERMAN

Lower Division

101-102 Elementary German (4 credits). This course emphasizes listening, speaking, reading, and writing skills. Readings include cultural subject matter. Minimum of one hour lab work per week expected. Four class contact hours per week. Each semester. Students may not enroll in 101 for credit if they have had more than one year of high school German or equivalent. With permission of the instructor, it is possible for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Each semester.
201-202 Intermediate German (4 credits). A continuation of G 101-102. This course emphasizes listening, speaking, reading, and writing. Focus on vocabulary building, grammar, and cultural content, and reading selections and writing assignments. Minimum of 1 hour lab work per week. Prerequisite: G 102 or equivalent as determined by placement examination and consultation.

Upper Division

303 Advanced German Conversation and Composition (3 credits). Intended to give students idiomatic fluency in language skills. Current German newspapers, magazines, and periodicals, films, tapes, and slide shows form the basis for classroom discussion. Lab work and frequent written work required. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1977-78.

304 Advanced German Conversation and Composition (3 credits). A continuation of G 303 with same basic objectives. However, closer attention paid to matters of style, type, and free composition. Newspapers, magazines, reviews and reports, documents and essays, films, and slides form the basis for class work. Lab work and frequent written compositions required. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

331 Introduction to German Literature and Literary Studies (3 credits). 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. Offered in 1977-78.

376 German Culture and Civilization (3 credits). German civilization from pre-historic times through the 18th century. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Classes conducted in German. Some outside readings in English. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

377 German Culture and Civilization (3 credits). German civilization from 1800 to the present. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. Some outside readings in English. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

410 Applied Linguistics for the German Language Teacher (2 credits). Application of the main concepts, aspects and features of modern linguistics to specific problems entailed in the teaching of the German language. Functional application of linguistic theory to foreign language teaching and learning practices. Reading selections taken from Goethe, Schiller, Holderlin, Kierkegaard, Paul, Tieck, Friedrich, Schlegel, Chamisso, Brentano, E.T.A. Hoffmann, Eichendorff and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1977-78.

435 Reaktion: Liberal und Konservativ (19th Century) (3 credits). Reading selections allow the student to contrast and compare a wide cross-section of German authors of the 19th century. The works from Buchner, the "Young Germans", Grillparzer, Hebbel, Gottlieb, Keller, Stifter, Storm, C.F. Meyer and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

445 Die Aufklarung und Sturm und Drang (18th Century) (3 credits). Essays, plays, fictional prose and poetry offer the student a picture of the literary and intellectual ferment marking the Enlightenment and the "Sturm und Drang." Reading selections will be taken from the writings of Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1977-78.

446 Die moderne Zeit beginnt (1890-1945) (3 credits). "Iris's": trends and writers from the tum of the century, through the Weimar Republic, to the collapse of the Third Reich. Nationalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature are considered. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1977-78.

447 "Alis der Krieg zu Ende war..." (1945-present) (3 credits). Selections will be taken from the authors, essayists, dramatists, poets and who have appeared on the scene since 1945 treating the war and post-war experience, and the human dilemma in the contemporary world. Austrian, East German, Swiss and West German writers. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

455 Ritter und Bauer: Gott und Mensch (1150-1720) (3 credits). Survey covering the German literary development during the Middle Ages, Renaissance, Reformation and Baroque. Readings taken from the heroic and courtly epics, the Minnesinger, moral and religious plays also works of Friedrich, Lessing, Lichtenberg, Schiller, and the early Goethe. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1977-78.

475 Die deutschsprachige Welt von Heute (3 credits). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and technology, arts and music, economic and business life, social issues, popular culture and recreation. Prerequisite: G 331 or G 377 or G 384. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

498 Senior Seminar (3 credits). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. Prerequisite: Senior standing. Offered in alternate academic years. Offered in 1978-79.

R RUSSIAN

101-102 Elementary Russian (4 credits). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Class meetings are one hour per week of required laboratory practice. The class is conducted in Russian. Fall and Spring Semester. Offered in alternate academic years. Offered in 1977-78.

201-202 Intermediate Spanish (4 credits). Intended to further develop Spanish language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic world and its societies, customs and traditions. Some outside readings in English. Prerequisite: S 101 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

203 Advanced Spanish Conversation and Composition (3 credits). Designed to continue expanding facility in expressive conversation as well as accuracy in writing 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. Offered in alternate academic years. Offered in 1977-78.

303 Advanced Spanish Conversation and Composition (3 credits). A practical course to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Offers 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. Offered in alternate academic years. Offered in 1978-79.

376 Cultura y Civilizacion Espafioles (3 credits). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to western world. Discussions conducted in Spanish; some readings in English. Papers, reports, and short essays. Required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

377 Cultura y Civilizacion Hispanoamericanas (3 credits). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social, and cultural developments of the Hispanic-American nations, and their contributions to the western world. Discussions in Spanish, some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

385 Le Gente Mestiza-Americana en los Estados Unidos (3 credits). A bilingual/bicultural course dealing with the historical roots of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years, including the "Chicano... "La Raza... "La Causa..., and other recent social and political movements. Readings and papers in Spanish and English required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

410 Applied Linguistics for the Spanish Language Teacher (2 credits). Application of the main concepts, aspects and features of modern linguistics to specific problems entailed in the teaching of the Spanish language. Functional application of linguistic theory to foreign language teaching and learning practices with emphasis on the analysis of the ways in which descriptive, and transformational models deal with the system of language, the use of a minimum of 0 credits of upper-division Spanish and/or in-service teaching and/or equivalence as determined by placement test and interview. Each (summer) semester. Offered in alternate academic years. Offered in 1978-79.

425 Literatura Mexicana-Americana (3 credits). Representative writings by major Mexican-American authors, with emphasis on socio-cultural as well as literary values. Among them: Montoya, Alvarez, Poncet Elizondo, Sanchez, Paoliola, Rivera, Mendez, Mejia, Muro, Navarro, Esteva, and others. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1977-78.

49
SCHOOL OF ARTS & SCIENCES

Geology

436 Literature Contemporánea Española (3 credits). Literature of ideas in contemporary Spanish America through major representative authors and works; Unamuno, Pio Ortega y Gasset, Garcia Lorca, Sender, Cela, Rueda Valles, Blas de Otero. Genesis of modern thought and new perspectives in today's Spanish Península. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1977.

437 Literature Contemporánea Hispanoamericana (3 credits). Literature of ideas in contemporary Spanish America through major representative authors; Balderas, Rojas, Reyes, Guadalupe, Borges, Asturias, Paz, Arciniegas. Genesis of modern thought and new perspectives in today's Hispanic America. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1978.

445 Literatura Española: Siglos 18 y 19 (3 credits). A detailed study of the representative movements, periods, works, and authors from 1700 to 1900, including the periods of Romanticism, Realism, and Naturalism. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

446 Literatura Española: Siglos 18 y 19 (3 credits). A detailed study of the representative movements, periods, works, and authors from 1800 to 1910. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

457 Literatura Hispanoamericana: Colonización y Siglo 18 (3 credits). An introduction to the major authors, works, movements, and periods of the Spanish-American literature from its beginnings to the end of the 18th Century: Colon, de Las Casas, Cortes, Castilla, Bello, Quevedo, Cervantes de la Barca. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

465 Eslado de Oro de la Literatura Española (3 credits). A study of the Spanish literature in the period of the Golden Age in Spain (16th-17th centuries). Prerequisite: S 376 or S 377 or S 304 or permission of instructor. Offered in alternate academic years. Offered in 1977.

466 Eslado de Oro de la Literatura Española (3 credits). A study of the Spanish literature in the period of the Golden Age in Spain (16th-17th centuries). Prerequisite: S 376 or S 377 or S 304 or permission of instructor. Offered in alternate academic years. Offered in 1979.

475 Literatura Hispanoamericana: Epoca de la Independencia (3 credits). A study of the literature of the Latin American countries from its birth up to the end of the 19th century. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

486 Literatura Española Medieval y Renacentista (3 credits). An introduction to the principal authors, works, movements, and periods of Spanish literature from its beginnings to the end of the 15th Century: Cervantes, de la Cruz, Quevedo, Cervantes de la Barca. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Chairman and Professor: Dr. Kenneth M. Hollenbaugh; Associate Chairman and Assistant Professor: Dr. James K. Applegate; Professors: Spinosa, Warner, Wi
ton; Assistant Professors: Dalsko, Donaldson, Mink (on leave); Research Associate: Guillemette, Visiting Professor: Hardman.

The Department of Geology and Geophysics provides four degree programs: 1) Bachelor of Science in Geology; 2) Bachelor of Science in Geophysics; 3) Bachelor of Science in Earth Science Education; and 4) Master of Science in Secondary Education and Geophysics. Degree requirements are based on the 30-credit requirement under the 30-15 Social Sciences Degree Program.

The curriculum leading to the B.S. degree in Geology is designed for those students who plan a career in applied geology or who plan to attend graduate school. The curriculum leading to the B.S. 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 in the geophysics courses leaving the student well equipped to find employment or to attend graduate school.

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

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

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

GEOLOGY MAJOR

(Bachelor of Science Requirements)

I. General University and Baccalaureate Degree Requirements. See pages 17-19 for Graduation Requirements.

II. Major Requirements

A. Geology

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Physical Geology</td>
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<td>Historical Geology</td>
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<td>Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>Petrology</td>
<td>4</td>
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<tr>
<td>Sedimentology</td>
<td>4</td>
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<tr>
<td>Stratigraphy</td>
<td>3</td>
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<td>Structural Geology</td>
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<td>Invertebrate Paleontology</td>
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<td>Field Geology</td>
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<td>Geology Seminar</td>
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B. College Chemistry

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<tr>
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<td>General Chemistry</td>
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C. General Physics

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<tr>
<td>General Physics</td>
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D. Mathematics through M-112

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<th>Course</th>
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<tr>
<td>Mathematics through M-112</td>
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E. Technical Drawing unless waiver is obtained from department chairman

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<tr>
<th>Course</th>
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<tr>
<td>Technical Drawing</td>
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F. Recommended electives

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<tr>
<th>Course</th>
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<tr>
<td>Life Science</td>
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</tr>
<tr>
<td>Technical Writing</td>
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</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td></td>
</tr>
<tr>
<td>Surveying</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
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<tr>
<td>Physics</td>
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<tr>
<td>Engineering</td>
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</table>

GEOLOGY MAJOR

(Suggested Program)

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<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>Physical Geology</td>
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<td>4</td>
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<tr>
<td>Historical Geology</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>College Chemistry</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>FRESHMEN YEAR:</td>
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</table>
# EARTH SCIENCE EDUCATION MAJOR

(Bachelor of Science Requirements)

1. General College and Baccalaureate Degree Requirements. See pages 17-19 for Graduation Requirements.

2. Major Requirements

<table>
<thead>
<tr>
<th>Credits</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>A. Geology</td>
<td>Physical Geology</td>
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<td></td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Introduction to Ocean Geology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Geology Seminar</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Geomorphology</td>
<td>3</td>
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<td></td>
<td>Geology Electives to total 30 credits</td>
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<tr>
<td>B. College Chemistry</td>
<td></td>
<td></td>
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<tr>
<td>C. General Physics or General Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Mathematics through M 112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. Astronomy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F. Recommended Electives</td>
<td>Geography</td>
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</tr>
<tr>
<td></td>
<td>Foreign Language</td>
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<td></td>
<td>Mathematics</td>
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<td></td>
<td>Communication</td>
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<tr>
<td></td>
<td>Life Science</td>
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**Total Credits:** 30

3. Education Requirements

The following are required for Secondary Teaching Certification in Idaho:

<table>
<thead>
<tr>
<th>Education Requirements</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Foundations of Education</td>
<td>3</td>
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<tr>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>Secondary School Methods</td>
<td>3</td>
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<td>Secondary Student Teaching</td>
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<tr>
<td>Education Electives</td>
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</table>

**Total Credits:** 20

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# GEOPHYSICS MAJOR

(Bachelor of Science Requirements)

1. General college and baccalaureate degree requirements

2. Major requirements:

<table>
<thead>
<tr>
<th>Credits</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>A. Geophysics</td>
<td>Introduction to Geophysics</td>
<td>3</td>
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<tr>
<td></td>
<td>Physics of the Earth</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Applied Geophysics I &amp; II</td>
<td>10</td>
</tr>
<tr>
<td>B. Geology</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Historical Geology</td>
<td>4</td>
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<tr>
<td></td>
<td>Mineralogy</td>
<td>4</td>
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<tr>
<td></td>
<td>Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Sedimentary Geology</td>
<td>3</td>
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<tr>
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<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Field Geology</td>
<td>4</td>
</tr>
<tr>
<td>C. Chemistry</td>
<td>College Chemistry</td>
<td>9</td>
</tr>
<tr>
<td>D. Physics</td>
<td>Physics I, II, III and labs</td>
<td>11</td>
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<td></td>
<td>Electricity and Magnetism</td>
<td>3</td>
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<td></td>
<td>(Ph-381)</td>
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<tr>
<td>E. Mathematics</td>
<td>M-112, 205, 206</td>
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<td>Advanced Engineering Math (M-321)</td>
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<td>M-124 or EN-104</td>
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<td>F. Recommended electives</td>
<td>Physics PH-301, 382</td>
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<td>Math M-340, 401, 421, 422</td>
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<td>Engineering EN-221, 223</td>
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<td></td>
<td>Geology GO-403, 412, 421, 431</td>
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<td>Chemistry C-321, 322</td>
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<td>Economics</td>
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<td></td>
<td>Technical Writing</td>
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</table>

**Total Credits:** 127

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# EARTH SCIENCE EDUCATION MAJOR

(Suggested Program)

<table>
<thead>
<tr>
<th>Credits</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
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<tbody>
<tr>
<td>A. Geology</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Introduction to Ocean Geology</td>
<td>3</td>
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<tr>
<td></td>
<td>Meteorology</td>
<td>3</td>
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<tr>
<td></td>
<td>Geology Seminar</td>
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<td></td>
<td>Geomorphology</td>
<td>3</td>
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<td></td>
<td>Geology Electives to total 30 credits</td>
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<td>C. General Physics or General Biology</td>
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<tr>
<td>D. Mathematics through M 112</td>
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<tr>
<td>F. Recommended Electives</td>
<td>Geography</td>
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<td>Foreign Language</td>
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<td>Life Science</td>
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**Total Credits:** 30

3. Education Requirements

The following are required for Secondary Teaching Certification in Idaho:

<table>
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<tr>
<th>Education Requirements</th>
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<tr>
<td>Foundations of Education</td>
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<tr>
<td>Educational Psychology</td>
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<td>Secondary School Methods</td>
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<tr>
<td>Secondary Student Teaching</td>
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<td>Education Electives</td>
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**Total Credits:** 20
SCHOOL OF ARTS & SCIENCES
Geology

GEOPHYSICS MAJOR
(Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>1ST SEM.</th>
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<tr>
<td>Physics I</td>
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<tr>
<td>Physical Geology</td>
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<td>4</td>
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<tr>
<td>Calculus &amp; Anal. Geometry</td>
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<tr>
<td>College Chemistry</td>
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<td>English Composition</td>
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<td>Historical Geology</td>
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<td>Digital Comp. Programming</td>
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<tr>
<td>Calculus &amp; Anal. Geometry</td>
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<tr>
<td>Advanced Eng. Math</td>
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<tr>
<td>Physics II &amp; III</td>
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<td>Physics Lab</td>
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<tr>
<td>Mineralogy</td>
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<td>Petrology</td>
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<tr>
<td>Intro to Geophysics</td>
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<tr>
<td>Area I &amp; II requirements</td>
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<td>Stratigraphy</td>
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<td>Physics of the Earth</td>
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<td>Area I &amp; II requirements</td>
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<td>Electricity &amp; Magnetism</td>
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<tr>
<td>Area I &amp; II requirements</td>
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<th>COURSES</th>
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| 100 Fundamentals of Geology (4 credits). An introduction to the principles of physical and historical geology. Topics include, weathering, erosion, glaciation, volcanism, earthquakes, the study of rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in geology or earth science majors, and those non-science majors who plan an 8-hour sequence in geology. Three lectures and one three-hour lab per week. Each semester.
| 101 Physical Geology (4 credits). A study of the origin and development of the earth's materials, land forms, internal structures, and the physical processes acting on and in the earth that produce continuous change. Topics include weathering, erosion, glaciation, volcanism, metamorphism and igneous activity, mountain building, earthquakes, and the origin of continents, ocean basins, and landscapes. The laboratory provides instruction in the identification of rocks and minerals, and the use of topographic and geologic maps. Three lectures and one three-hour laboratory per week. Field trips required. Each semester.
| 102 Historical Geology (4 credits). 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. Three lectures and one three-hour laboratory per week. Prerequisite: Physical Geology. Each semester.
| 305 Rocks and Minerals (3 credits). A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are a part of the course for those taking credit. Prerequisite: High school chemistry or permission of the instructor. Either semester.
| 111 Geology of Idaho and the Pacific Northwest (3 credits). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas, and current problems in natural resource products. One three-hour lecture per week and two four-hour field trips. Prerequisite: Historical Geology or consent of instructor. Spring semester, alternate years. Offered 1974, not offered 1975.
| 201 Introduction to Ocean Geology (3 credits). A general study of the physical geology of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Two one-hour lectures per week. Prerequisite: Historical Geology. Spring semester.
| 213 Introduction to Meteorology (3 credits). An introduction to the study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: Physical Geography. Three one-hour lectures. Fall semester.
| 221 Mineralogy (4 credits). A study of the distribution and classification of minerals. This includes some crystallographic, optical, and chemical methods. Laboratory work consists of mineral analysis and observation by the use of microscopes, chemicals, and models. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Historical Geology and College Chemistry or concurrent registration in College Chemistry. Fall semester.
| 222 Petrology (4 credits). Study of igneous, sedimentary, and metamorphic rocks with emphasis on physical and chemical conditions controlling the origin, occurrence, and rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Three one-hour lectures and one three-hour lab per week as well as two all-day Saturday field trips. Prerequisite: Mineralogy. Spring semester.
| 250 Principles of Paleontology (3 credits). A course designed for non-geology majors, especially those planning to teach in the biological sciences. The course provides an overview of the various fields of paleontology. Evolution, taxonomy, and descriptions of important fossil groups will be stressed. Laboratory periods will be used to study small collections of the more important phyla and to introduce the student to simple museum techniques of fossil preparation and display. A term paper or project is required. Two one-hour lectures and one three-hour laboratory per week. Prerequisites: Any introductory course in geology, biology, zoology, or botany or consent of the instructor. Either semester.
| 311 Sedimentology (4 credits). A study of the classification of sedimentary rocks and all processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and rock type are studied. Laboratory work consists of microscopic, chemical and other analytical studies of sedimentary rocks and of a study of the methods and instruments used in statistical treatment of sedimentary data and research purposes. Three one-hour lectures and one three-hour laboratory per week. Prerequisites: Sedimentology. Fall semester.
| 312 Stratigraphy (3 credits). The study of sedimentary strata with chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the next result. Three one-hour lectures, field trip and special projects and a report required. Prerequisite: Sedimentology. Spring semester.
| 313 Geomorphology (3 credits). A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. Two lectures and one three-hour laboratory per week. Prerequisite: Historical Geology. Fall semester.
| 314 Structural Geology (4 credits). A study of the physical nature of rocks, the origin, description, classification, and interpretation of deformatinal structures of the earth's crust, and the principal theories of deformation and orogeny. Lab problems in
521 Advanced Topics in Earth Science (3 credits). The study, review, and discussion of current literature, classroom and laboratory demonstrations, teaching aids and preparation of field trip itineraries relative to geology, astronomy, meteorology, and oceanography. The course is designed to provide background knowledge, skills, and material resources that can be directly applied to increase the student's capability to teach earth science in the elementary and secondary school. Prerequisite: Graduate status or consent of instructor. Summer semester.

531 Regional Geology of North America (3 credits). A systematic study of the geologic provinces of North America with special emphasis on their geologic relations and physical environment. The uniqueness of each area is discussed in terms of its structural and geologic history and the mineral resources available for the use of society. Prerequisite: Graduate status or consent of the instructor. Spring semester.

541 Methods and Techniques of Geocartography (3 credits). An application of current research, debates, and developments toward practical, as well as theoretical, issues in geologic science. Prerequisite: Graduate status or consent of the instructor. Spring semester.

561 Earth Science Teaching Techniques (3 or 4 credits). This course in the use of the special tools affects culture. Lectures, slides, and film to the earth sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. Sources of earth science teaching materials and methods will be emphasized. Motivation of student interest by the incorporation of environmental problems and materials will be emphasized. This course provides the student with an internship experience in the laboratory and lecture classroom. Prerequisite: Graduate status or consent of the instructor. Either semester.

571 Geochemistry (3 credits). The application of chemical principles to the understanding of earth materials and processes. The origin and distribution of elements in the earth and the solar system. Geochemical cycles. Chemical principles of mineral formation and weathering. Geochemistry and the environments. Prerequisite: Graduate status, one year of college chemistry and one year of college geology or consent of instructor. Spring semester.

591 Project (3-6 credits). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. Prerequisite: Graduate status and 15 credits in Earth Science, or consent of the instructor.

593 Thesis (3-6 credits). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretations of existing data collected by library research. A final report suitable for presentation at a meeting of earth science professionals is required. Prerequisite: Admission to candidacy.

598 Graduate Seminar (1-3 credits). The preparation and presentation of oral and written reports on topics in earth science research. Emphasis on oral and written courtroom. Presentation of oral reports may take the form of a debate. Preparation of visual aids and geologic illustrations will be emphasized. Prerequisite: Admission to candidacy or consent of the instructor.

GG GEOGRAPHY

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

102 Cultural Geography (3 credits). Cultural Geography is a study of the discipline and character of man's cultural activities throughout the world. These activities will be viewed in two respects: 1. How culture affects the physical world; 2. How the cultural world affects the physical environment. The course is designed to provide background knowledge, skills, and material resources that can be directly applied to increase the student's capability to teach earth science in the elementary and secondary school. Prerequisite: Consent of the instructor.

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

221 Geography of Idaho and the Pacific Northwest (3 credits). This course deals with the physical and cultural geography of the Pacific Northwest, with particular emphasis on Idaho. Stress is placed on the continuing physical, biological, social, political and economic changes the region is undergoing. In addition, the role of the Pacific Northwest in relation to the rest of the United States is studied. Sources of information to the student include: the textbook, readings from professional journals, the Idaho Historical Society, and slides, motion pictures and writings of area researchers.
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231 Comparative Geography of Canada and Latin America (3 credits). This course is a comparative study of the natural and cultural geographies of Canada and Latin America. Comparisons and contrasts will be made between the environments, peoples and potential of each region. Their relationships with the United States and the other countries of the world will also be explored. Films, slides, and guest speakers — along with appropriate texts — will be used. Prerequisite: Intro to Geography or consent of instructor.

241 Comparative Geography of Africa and the Far East (3 credits). A study of the physical and cultural geography of Africa and the Far East, with emphasis on the relationships and changes within the regions. Lecture topics include the various landscapes, flora and fauna, peoples and geographic problems. Slide presentations, overhead transparencies, motion pictures, current researchers and native speakers, as available, are resources for the course. Prerequisite: Intro to Geography or consent of instructor.

301 Historical Geography of the United States (3 credits). Historical Geography is the study of the past distribution and variation of people and activities related to producing, exchanging and consuming commodities and products. Economic activities and material studied in the context of where they are located, with their characteristics, and to what national and international phenomena they are related. Prerequisite: GG-101 or consent of instructor.

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

GP GEOPHYSICS

Upper Division

301 Introduction to Geophysics (3 credits). This course is a survey of surface and borehole-based geophysical methods. It includes a general survey of the elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, electrical and borehole techniques. The applicability of the various techniques to the solution of geologic problems in exploration geology, economic and petroleum engineering, geology and groundwater geology will be stressed. Spring semester. Prerequisites: Physics 220 and Geology 101 or consent of instructor.

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

461 Applied Geophysics I (5 credits). 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 interpretation will be emphasized. Four one-hour lectures and one three-hour lab. Fall semester. Prerequisites: GG-304, GP-301, PH-221 and 222, M-321.

462 Applied Geophysics II (5 credits). A continuation of GP-451 with emphasis on field procedures, equipment array and geophysical surveying techniques. Four one-hour lectures, one three-hour lab and numerous field problems. Spring semester. Prerequisite: GP-451.

GS GENERAL SCIENCE

306 Teaching Science in the Secondary School (3 credits). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science—both as subject matter and as processes of scientific inquiry. The implications of this understanding are explored in depth in terms of methodology, objectives, and evaluation. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curriculum materials for secondary school science teaching. Spring semester, alternate years.

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

DEPARTMENT OF HISTORY

Chairman and Professor: Dr. Warren L. Vint. Professors: Barrett, Caylor, Lovin, Ourada. Associate Professors: Fletcher, Sims, Sylvester, Terry, Tozer, Assistant Professors: Bonaches, Olah, Zirinsky.

REQUIREMENTS FOR HISTORY MAJOR

Bachelor of Arts Program

I. Liberal Arts Option

CREDITS

A. General university requirements to include:
   1. A foreign language or equivalent* .................................................. 8
   2. American National Government ..................................................... 3

B. History Requirements:
   1. Lower Division Courses ................................................................. 18
      History of Western Civilization (HY 101, 102, 103 or 201, 202, 203) .. 9
      U.S. History (HY 151, 152 or 251, 252) ..................................... 6
      Intro. to the Study of History. HY 210 ......................................... 3
   2. Other History Courses** ............................................................... 24
      History Seminars ............................................................................. 6
      Upper Division History (minimum of) ........................................... 12
      Additional history electives upper or non-required lower division ....... 6

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

II. Secondary Education Option

A. General university requirements to include:
   American National Government ....................................................... 3

B. History Requirements:
   1. Lower Division Courses ................................................................. 18
      History of Western Civilization (HY 101, 102, 103 or 201, 202, 203) .. 9
      U.S. History (HY 151, 152 or 251, 252) ..................................... 6
      Study & Methods of Teaching History ........................................... 3
   2. Other History Courses** ............................................................... 24
      Upper Division American History Elective ....... 3
      Seminar ......................................................................................... 3
      Upper Division History (minimum of) ........................................... 12
      Additional history electives upper or non-required lower division ....... 6

C. Educational requirements for State Certification for Secondary Education .................................................. 20

D. Electives ................................................................................ 20

III. History - Social Science Secondary Education Option

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

A. Lower Division courses:
   1. U.S. History (HY 151, 152, or 251, 252) ..................................... 6
   2. Western Civilization (HY 101, 102, 103 or 201, 202, 203) Any 6 credits ................................................. 6
   3. Study & Methods of Teaching History ......................................... 3
   B. Other History Courses (minimum of 15 U.D. —
       3 U.D. American History) ...................................................... 18
      To be chosen by student in consultation with advisor.
      From two out of three of the department's offerings
      (U.S., European, Third World).
   C. Other Courses
      At least 15 hours, of which 9 must be upper division, must be taken in each of two allied disciplines: Economics, Political Science, Anthropology, Sociology, Geography. These courses should be chosen by students in consultation with their advisor.

15 Hour History Option

Similar 30-15-15 academic majors are available in the various social science disciplines in which their courses would constitute the 10-credit core of the major and they would serve as one of the associated 15-credit blocks. For such a major the Department of History requires that at least 9 of the 15 his
History credits be upper division, and that courses be selected to complement their major.

IV. History Minor Option

1. Lower Division Courses
   - U.S. History (HY 151, 152, or 251, 252).................................................. 12
   - Western Civilization (HY 101, 102, 103, or 201, 202, 203)............................. 20

2. Upper Division Courses
   - To be chosen from two of the three major areas (U.S., Europe, Third World) offered by the department.................................................. 12

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

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

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

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C. Additional Information

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

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

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

COURSES

HY HISTORY

Lower Division

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

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

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

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

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

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

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

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

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

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

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

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

307 Modern Germany (3 credits). The struggle for Germany unity in modern times and the relation of this issue to the origins of the two World Wars. The problem will be recommended. Either semester, alternate years.

308 France Since the Revolution (3 credits). The failure of Chartistism in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be recommended. Either semester, alternate years.

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

310 The Reformation (3 credits). Survey of Church-State relationships to include theological and political philosophies of reformers from Wycliffe to the Council of Trent. Consideration will be given to the worldwide impact of Protestantism, the Catholic Reformation, and dissident minority sects. Prerequisite: HY-102 or consent of instructor. Fall semester, alternate years.

311, 312 History of England (3 credits). First semester: Survey of the major cultural, political, economic, and religious developments from the Renaissance to the present. Second semester: The major cultural, economic, and religious developments from the eighteenth century to the present. Prerequisite: HY-102, HY-103, HY-313 recommended. Either semester, alternate years.

316, 318 History of the Far East (3 credits). A survey of the major powers of the Orient — their internal political and cultural development. Either semester, alternate years.

319 Ancient Greece (3 credits). A study of the political, social, and cultural development of the Greek civilization through the Hellenistic period, with stress on the factors which led to the breakdown of the empire and the rise of the Roman Empire. Prerequisite: HY-101 or consent of instructor. Fall semester, alternate years.

320 Ancient Rome (3 credits). A survey of Rome from its earliest beginnings under Etruscan rule through the late imperial phase in the 5th century of the Christian era. Emphasis upon political and military developments, social and religious changes, outstanding personalities, and literary and artistic achievements. Prerequisite: HY 101, Spring semester, alternate years.

321 Medieval History (3 credits). The political, economic, and cultural development of Medieval Europe from its earliest beginnings to the fall of Constantinople. Prerequisite: HY-102 or consent of instructor. Suggested additional preparation. HY-101. Either semester, alternate years.

322 The Medieval Church (3 credits). A survey of the Christian Church from its apostolic foundations in the 1st century to the fully developed papal monarchy of the late 13th century. Special subjects for class examination: the internal organizational development of the Church; the establishment of theological dogma and ethical norms; the relations of individual Christians to the world, and the organizational Church to the secular state; and the effective establishment of papal primacy over Western Christendom. Prerequisite: HY-101 or consent of instructor. Recommended. HY-321. Spring semester, alternate years.

331 The Islamic Middle East (3 credits). A history of the people, institutions, and culture of the Near East and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century. Prerequisite: Upper Division standing. Fall semester, alternate years.

332 The Modern Middle East: Cultures in Conflict (3 credits). A history of the Near and Middle East from the sixteenth to the twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. HY 103 recommended. Spring semester, alternate years.

333 History of France and the American Ideal (3 credits). The course traces the historic development of sport in America and its socioeconomic impact on American society. It explores sporting interests from colonial America to the present with emphasis on the sports which have become national pastimes. The area of sport is placed within the context of American thought and the social milieu of the nation. Either semester.

334g United States Social and Cultural History (3 credits). Selected social and cultural themes from the colonial period to the present. Prerequisite: Upper Division standing. Fall semester, alternate years.

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

336 United States Constitutional History (3 credits). A study of origins, writing and development of the American Constitution, from colonial charters, through the Constitutional Convention, John Marshall, Civil War, Age of Industrial Development, Progressivism, World Wars, Cold War, and the Warren Court. Considerable emphasis is placed on the role of the Supreme Court. Prerequisite: HY 151, 152 or consent of instructor. Fall semester, alternate years.

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

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

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

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

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

357 Idaho and the Pacific Northwest (3 credits). Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. HY 103 recommended. Either semester, alternate years.

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357 Idaho and the Pacific Northwest (3 credits). Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. HY 103 recommended. Either semester, alternate years.

417 United States Economic History (3 credits). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis will be given to the interaction of economic factors and other aspects of American society. Prerequisite: Principles of Economics, EC 201 and EC 202, or permission of instructor. May be taken for History of Economics credit, but not for both. Either semester.

420 The Liberal Revolutions, 1776-1832 (3 credits). The restructuring of western European societies through political democracy and freedom of economic opportunity, particularly as accelerated by the French Revolution and Napoleon. Prerequisite: HY 102. Recommended additional preparation. HY 303. Either semester, alternate years.

422 History of Socialism (3 credits). The course will examine the history of egalitarian revolutionary ideas and movements of the nineteenth and twentieth centuries. Emphasis will be given to the development of the ideas of Karl Marx, his predecessors and successors. Either semester, alternate years.

423g European Diplomatic History 1871 - Present (3 credits). A consideration of the major questions affecting the international relations of the major European countries from 1870 to the present: the search for security after the creation of the nation of Germany; the potential collapse of the Ottoman Turkish Empire; European imperialism in Africa and Asia; the origin of the Alliance system; the coming of World War One; the search for security in the 1920's; the coming of World War Two; and the Cold War: as European diplomacy merges into world diplomacy. Fall or Spring, alternate years.

425 Twentieth Century Revolutions (3 credits). Reading and discussion of materials related to the origin and development of selected socio-cultural, intellectual, political and economic movements in the twentieth century, particularly as they relate to alternative socio-cultural and counter-culture proposals and liberation issues. Either semester, alternate years.

432 Tudor- Stuart England (3 credits). A consideration of England during the reign of the Tudor and Stuart monarchs of England. Among the developments in England is the failure of the monarchy and the development of parliamentary government; the rise of the middle class in England; exploration and colonization; the beginnings of the British Empire; religious changes and social conflicts in England; cultural developments in England. Either semester, alternate years.

466 History of Mexico (3 credits). This course examines cultural, political, and social economic factors affecting the historical development of the Republic of Mexico. The course is divided into three major components: (a) Historical development of Mexico from the pre-colonial period to the Wars of Independence, (b) From nationality to the
The objective of the department of home economics is to provide education of high quality for each of the student categories listed below.

A. Students who expect to obtain a baccalaureate degree with a major in home economics (we are in the process of developing a four-year degree program).

B. Students from other disciplines who choose to minor in home economics may be earned and applied to one's major.

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

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

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

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

The curriculum outlined is designed for those students who are interested in a professional career in home economics. Students will learn skills and values which will enable individuals and families to be more economical with resources available to them in our country today. Students whose interest is the development of understanding and skills which will contribute to the well-being of the individual, family and community are not required to register for laboratory science.

HOME ECONOMICS CURRICULUM

SCHOOL OF ARTS & SCIENCES

Field: Home Economics

Program: Bachelor of Science

1ST SEM. 2ND SEM.

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

FRESHMAN YEAR:

1ST SEM. 2ND SEM.

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

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.

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

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

107 Clothing and The Individual (2 credits). A study of the sociological and psychological foundations of clothing selection emphasizing principles of design related to the individual's figure proportions, personality and need. Study of selection, purchase and care of ready-to-wear apparel, fabrics and accessories. Two hours lecture per week. Each semester.

109 Textiles (3 credits). Study of material and synthetic textile fibers, yarns and fabrics; selection of appropriate fabrics for various uses, considering wearing qualities and care required. Study will also be made of the relationship of raw materials, construction, and finish to quality and cost. Major textile laws and regulations will also be considered. Two hours lecture and one 2-hour laboratory each spring semester. Spring semester.

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

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

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

209 Food and the Individual (4 credits) A lecture, lab class in which assessment is made of the interrelationships of the nutritive value of foods, principles of food preparation and the human body. Laboratory experience includes approved techniques of food preparation to retain nutrients and enhance aesthetic qualities. Sanitary standards and procedures for handling food products will be stressed. Effective use of material, time, energy and money will also be studied. Prerequisite: HE 103 or HE 109. Two 3-hour laboratory periods each week. Fall semester.

303 Tailoring (3 credits). Basic principles used in garment construction applied through actual construction of a suit, coat or pants suit. At least one garment done using wool; other garment could be a choice between knit or woven fabric. Common fitting problems are studied and solutions derived. A personal tailor pattern is developed to fit students personal need. Current tailoring techniques are stressed. Prerequisite: HE 103, HE 107, HE 109. Two 3-hour laboratory periods each week. Spring semester.

305 Home Furnishings and Interior Design (3 credits). The primary emphasis of the course is planning home interiors. Study consists of: analysis of life styles, basic needs, space division, color and design, furniture selection, floor coverings, major structural elements and enrichment. The extended environment and historical heritage are also studied. Prerequisite: AR 105. Three hours lecture each week. Fall semester.

DEPARTMENT OF MATHEMATICS

Chairman and Associate Professor: Dr. William P. Mech; Associate Chairman and Associate Professor: Dr. Daniel G. Lamet; Assistant Professors: Maloof, Takeda. Associate Professors: Anderson, Ferguson, Furryama, Hughes, Juola, Kerr, Sulakwe, Ward, Winne, Young. Assistant Professors: Bell, Haukatobi, Kenny, Smartt, J. Smith Sugiyama.

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

REQUIREMENTS FOR MATHEMATICS MAJOR

Bachelor of Arts or Bachelor of Science Programs

I. Mathematics Degree:
   1. College requirements for B.A. or B.S. degree, including electives.
   2. Mathematics requirements
      Lower Division
      Calculus through M206 or M212
      M124 (Digital Computer Programming)
      M225 (Applied Fortran Programming) or M226 (Assembler Language)
      M301 Linear Algebra (4)
      M302 Intro. to Abstract Algebra (3)
      M306 Number Theory (3)

II. Secondary Education Degree

   1. College requirements for B.A. or B.S. degree, including electives.
   2. Mathematics requirements
      Calculus through M206 or M212
      M124 (Digital Computer Programming)
      M301 Linear Algebra (4)
      M302 Intro. to Abstract Algebra (3)
      M311 Foundations of Geometry (3)
      M314 Foundations of Analysis (3) or M406 Complex Variables (3)
      M361 Fundamentals of Statistics (4) or M362 Probability Theory (4) or M431-432 Probability and Statistics (6)
   3. Electives (Recommended: M225, M226, M306, M312)
   4. Education Requirements (See Part V) 20 credits
   5. A 45 semester hour major or a 30 semester hour major with a 20 semester hour minor.

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

FRESHMAN YEAR: SEM.
English Composition 3
Calculus M 112. 205 or M 211. 212 5
Degree Electives 8
16

SOPHOMORE YEAR: SEM.
Calculus M 206 4
Programming M 124 3
General Psychology 3
Foundations of Education 3
Linear Algebra M-301 4
Elective 9-13
16

JUNIOR YEAR: SEM.
Foundations of Analysis M 314 3
Intro. to Abstract Algebra M 302 3
Fundamentals of Statistics M 361 or Probability Theory M 362 4
Educational or Adolescent Psychology 3
Elective 12
18

SENIOR YEAR: SEM.
Secondary School Methods 3
Foundations of Geometry M 311 3
Mathematics in Secondary Schools M 490 3
Secondary Student Teaching 6
Education Electives 2
Electives 13
15

Teaching Minor in Mathematics
(Suggested Program)

20 credits to include:
M 124 2
M 112 or 211 5
M 206 or 212 4-5
One of M 302 3 credits
M 306 3
M 311 3
M 361 4
M 362 4

Students who plan to teach in high school are recommended to take M 206 and a second of the 300 level courses listed above. All students are advised to contact a member of the mathematics faculty for assistance in planning a program.

MASTER'S IN SECONDARY EDUCATION
WITH MATHEMATICS EMPHASIS*

A. The Master of Secondary Education with a Mathematics emphasis may be attained through any of the following 3 options.

1. The 30-hour "course-work option" 6 credits
(a) Secondary Education Core
(b) Mathematics Emphasis
(c) Free electives 9 credits
(d) An additional 3 credit course in mathematics and a comprehensive written examination over all mathematics course work 3 credits
(e) An oral examination over all mathematics course work included in the Master's Program.

2. The 33-hour "thesis option" is the same as the "course-work option" parts (a) through (d) with the addition of M 591.

3. The 33-hour "thesis option" is the same as the "course-work option" parts (a) through (d) with the addition of M 593.

B. Mathematics Requirements

1. Required Courses
M 501.502 Real Analysis I, II or M 541
542 Modern Algebra 6 credits
M 598 Seminar in Mathematics 3 credits
2. Elective Courses
Additional courses as planned by the student and his graduate committee to meet program requirements.

C. Additional Information

1. Credit in Workshop (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the emphasis in Mathematics.

2. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate mathematics may apply to challenge, waive, or replace parts of the emphasis requirements.

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

SCHOOL OF ARTS & SCIENCES
Mathematics

COURSES

M MATHEMATICS

Lower Division

012 Arithmetic Review (0 credits). Fundamental operations with whole numbers, addition, subtraction, multiplication, division, and applications.

020 Algebra Review (0 credits). Exponents, radicals, polynomials, solving linear equations, graphing linear equations, factoring, solving systems of linear equations, radicals, and applications.

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

103-104 Mathematics for Elementary Teachers (3 credits). Fundamental concepts of mathematics including the study of place value and base, arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometric principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor. Placement will also be determined by a test given on the first meeting of M-103. M-105, 109 or 111. Each semester.

111 Algebra and Trigonometry (5 credits). Selected topics in college algebra and trigonometry. The course will prepare the student for calculus. Prerequisite: the passing of a placement test in algebra or a grade of "satisfactory" in M-020. Each semester.

112 Calculus and Analytic Geometry (5 credits). Analytic geometry of the straight line, functions, limits, continuity, differentiation of algebraic functions with applications, definite and indefinite integrals with applications. Prerequisite: Skill in algebra and basic knowledge of trigonometry. Each semester.

115-116 Mathematics for the Life Sciences (5 credits each). Designed primarily for students in the life sciences. Review of equations, functions and their graphs, logarithmic and exponential functions, trigonometry, discrete probability theory, differential and integral calculus of one variable, continuous probability theory and statistics. Prerequisite: Two years of high school math or equivalent and satisfactory placement score. Placement to be determined by a test given on the first meeting of M115. Each semester.

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

Military Science

205 Calculus and Analytic Geometry (4 credits). Transcendental functions, methods of integration, integrals, and linear equations. Prerequisite: M-112 or the passing of a placement test over the material of M-112. Each semester.


211-212 Accelerated Calculus (5 credits each). Analytic geometry, functions, limits, differentiation and integration with applications, transcendental functions and methods of integration. Vectors, solid analytic geometry, vector functions, partial derivatives, multiple integration, series, introduction to differential equations. This course is essentially an accelerated version of the three-semester sequence M-120, M-205, M-206. Prerequisite: Any of M-106, M-111, M-116 with grade of A or a strong high school background. Yr course M-211 Fall M-212 Spring.

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

222 Assembler Language I (4 credits). Assembler language programming for the IBM 370. Data representation, the machine instruction, looping, address modification, handsource output, program sectioning and linking, macros. Prerequisite: M124 (EN104) or consent of instructor. Spring semester.

301 Linear Algebra (4 credits). Matrices, determinants, vector spaces and linear transformations. Prerequisite: M-206 or 212. Each semester.

302 Introduction to Abstract Algebra (3 credits). Sets, groups, integral domains, rings, fields. Prerequisite: M-205 or 212. Spring semester.

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

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

312 Combinatorial Geometry (3 credits). Study of geometry of curves and surfaces in Euclidean spaces, maps, networks, topological equivalence of figures, topological spaces, and metric spaces. Prerequisite: M-205 or 212. Spring semester odd numbered years.


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

340 Numerical Analysis (4 credits). The application of numerical methods, to interpretation and analysis of data; general iterative methods, approximation of functions, error analysis; solution of equations with the implementation of computer programming. Fortran programming will be utilized. Prerequisite: M-214 (EN-104), M-205 or 212. Spring semester.


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

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

406 Theory of Functions of a Complex Variable (3 credits). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M-205 or 212. Fall semester.

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


431-432 Probability and Statistics (3 credits). Basic concepts of probability theory, sampling distributions, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M-205 or 212. Sequence begins each Fall.

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

451 Systems Programming (4 credits). Introduction to machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M-126 and M-208 or M-212. Fall semester, odd numbered years.

456 Linear Programming (4 credits). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M-304. Spring semester.

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

Graduate


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

505 Foundations of Mathematics (3 credits). The axiomatic method and its role in modern mathematics: the role of the theories of sets and groups in the development of mathematics: modern philosophies of mathematics. Prerequisite: M-302 or consent of Instructor.

511 General Topology (3 credits). Sets, separation axioms, topologies, connectedness, compactness, generalized convergence, continuity, product spaces. Prerequisite: M-401 or M-301 or consent of instructor.

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

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

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

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

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

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

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

595 Reading and Conference (3 to 6 credits). A "project" may include, but is not limited to, a library research paper, educational research, or written curriculum with teaching materials. Prerequisite: admission to candidacy.

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

Department of Military Science

(ARMY ROTC)

Chairman, Col. Alverson

The Reserve Officers' Training Corps is being 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 attract university students who have the qualities and attributes essential to become qualified officers in the United States Army. In addition, the senior division provides a major source of procurement for
junior officers in the Regular Army. The procurement is accomplished through the recurring selection of a number of distinguished military graduates.

**Scope of Instruction**

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

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

Advanced Course. The advanced course included two additional years of military science and a six-week summer camp. The camps consist of 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) have reached an age which will prevent appointment as a second lieutenant in the USAR upon graduation (the 28th birthday). In exceptional circumstances, the age may be waived or a compression of military science courses may be authorized to permit qualification for appointment before the 28th birthday. Students seeking a commission in the Regular Army must complete the course and graduation before reaching age 27; (3) complete successfully such survey and general screening tests as may be prescribed; (4) be selected by the president of Boise State University or any other institution to which he may be thereafter admitted; (5) execute an individual contract with the government by which the student, in consideration of retainer pay at $100 a month for ten months each year, agrees to complete the advanced course at Boise State University or any other institution which he may thereafter be enrolled where such a course is given; (6) devote a minimum of five hours a week to the military training prescribed by the Secretary of the Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (This enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student); (9) agree to accept a commission if tendered; (10) serve on active duty as an officer for three years or three months as determined by the Department of the Army.

**Scholarships**

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

**Flight Training**

Flight training consisting of 36 1/2 hours of flying and 35 hours of ground school is offered to qualified advanced course students during their last complete academic year. Successful completion by the student leads to a private pilot's license and possible acceptance into the army's aviation program after commissioning. The complete cost is borne by the U.S. Army, and instruction is given by an authorized local flying school under the supervision of the Federal Aviation Agency and the Department of Military Science. Each student completing this program and accepted for further army aviation training must agree to serve three years of active duty after commissioning.

**Financial Assistance**

Each advanced course student receives a retainer pay of $100 a month for ten months 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, $400 (approximately); travel pay, $0.08 per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty. Deserving and qualified students are tendered Regular Army appointments.

**Uniforms**

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

**COURSES**

**ML MILITARY SCIENCE**

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

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

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

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

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

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

Chairman and Professor: Mr. Willet D. Elliott; Associate Chairman and Associate Professor: Oakes; Professors: Best, Meyer, Taylor; Associate Professors: Baldwin, Cleveland, Hus, Shelton; Assistant Professors: J.W. Brant, Harper, Samball; Instructors: Blass, Blood, Thompson; Special Lecturer: Stem (Conductor-in-Residence).

Gifts and Memorials to the Music Department

The Music Department has been the recipient of many fine gifts of instruments, music and recital 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 concert, teaching, and practice purposes. Also in the Auditorium is the console for the Harry W. Morrison Memorial Carillon, built by Maas-Rowe. Given as a memorial to her husband by Mrs. Velma Morrison, the Grand Symphony Carillon system chimes the hours and half-hours and twice daily plays a short program of carillon music. A familiar but unusual gift, seen in area parishes and at home football games, is the BSU calliope, given by Mr. Michael A. Compton.

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

Dr. and Mrs. Robert delKerifique
Alice Gould
Dr. and Mrs. Arthur C. Jones
Sanford Lanjordan
Bryant S. Martinus
Marjorie Palmquist
Mr. and Mrs. Edward Utley
Mrs. Eli Weston

REQUIREMENTS FOR MUSIC MAJOR

Bachelor of Arts Program

A. Completion of general college requirements for the Bachelor of Arts degree as found on page 18 of this catalog.

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

* Senior Recital option requires approval of the student's private instructor. Senior Recital (MA-444) requires a minimum of 3 years of study or equivalent in the area prior to enrollment.

** An Independent Study terminal project under faculty supervision and with the approval of the Department Chairman in the area Theory, Music History/Literature, or Music Education.

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 are possible in Performance, Music Theory, History/Literature, or Music Education. Details of the individual student's curriculum are to be determined by the student in consultation with an assigned Music Advisor and subject to the approval of the Music Department Chairman.

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

Bachelor of Music Program

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

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

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

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

5. All Bachelor of Music Majors are required to register for one of the three major ensembles (band, choir, or orchestra) each semester, totaling a minimum of 8 credits over a normal 4-year course of study, except that performance majors in Piano, Voice or Guitar will take only 6 credits of major ensembles. Piano performance majors will take 2 credits of accompanying (ME 180, 380) toward the required 6 credits. Guitar majors may take 2 credits of Guitar Ensemble (ME 167, 367) toward the required 6 credits. Other ensembles may be taken as electives in addition to the required major ensembles.

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

   Concert Class (Attendance required each semester of residency - see MA 010 course description for details) .............................................................. 0
   Materials of Music I, II, III, IV and Ear Training (L.D.) ...................................................... 16
   Basic Conducting (L.D.) ................................................................................................. 1
   Ensemble ...................................................................................................................... 6-8
   Elements of Form (Upper Division) .................................................................................. 3
   Music History Courses (Upper Division - 3 credits will count toward Area 1 Requirements; see page 17) ................................................................. 12
   a. History and Lit. of 20th Century (MU 306) ................................................................. 3
   b. Other Music History selected from MU 305, 307, 309, 310 ........................................ 9

   Total: .......................................................................................................................... 40

1. Performance Emphasis Requirements

   Credits

   1. General University and Basic Core Requirements
   (including 3 credits of Music History in Area I) ....................................................... 29-32

   2. Music Requirements:
      A. Music Core ......................................................................................................... 38-40
      B. Lower Division Performance Studies ................................................................. 14
      C. Upper Division Courses .................................................................................... 29-34
      D. Performance Studies .......................................................................................... 16
      E. Keyboard Harmony and Basic Improvisation ....................................................... 4
      F. Counterpoint ......................................................................................................... 4
      G. Choral or Instrumental Conducting .................................................................... 1
      H. Major Instrument Literature ............................................................................... 2
      I. Major Instrument Pedagogy I & II ....................................................................... 4
      J. Advanced Form and Analysis .............................................................................. 2
      K. Senior Recital ........................................................................................................ 2

   3. Electives .................................................................................................................. 13-16
      A. Organ Majors must include MU 413-414, 4 cr.
      B. Voice Majors must include 1 semester of MU 147, 1 credit
      C. Other electives may be chosen from any area.

   Total: .......................................................................................................................... 128
SCHOOL OF ARTS & SCIENCES
Music

**MASTER'S DEGREE IN SECONDARY EDUCATION**

**Music Emphasis**

**Admissions and Program**

A. The Master’s Degree in Secondary Education, Music Education emphasis, is designed to meet the needs of the practicing junior high or high school music specialist. While teaching experience is not necessary in order to begin work on this degree, any applicant for the degree must either be currently certified as a secondary school music specialist, or agree to begin the process toward attaining this certification while working on the degree. Before Advancement to Candidacy can be granted, the student must ordinarily show eligibility for certification by the State of Idaho (or any other State). Admission will be granted to applicants who hold a bachelor’s degree from an accredited college or university, and who give promise of meeting the standards set by the Music Department.

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

**Course Offerings**

A. **Required Courses**

1. MU-503 Introduction to Research Materials in Music Education (3 credits)
2. MU-570 New Development in Music Education (3 credits)
3. Culminating activity** or additional course work (3-6 credits)
4. TE-560 Secondary Education Core courses (6 credits)
5. Total hours: (30-33 credits)

B. **Elective Courses**

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

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

**COURSES**

**MA MUSIC APPLIED — PERFORMANCE STUDIES**

Major Area practice requirements:
For 4 hrs. credit—18 hrs. practice per week.
For 2 hrs. credit—12 hrs. practice per week.
Minor Area practice requirements:
For 2 hrs. credit—6 hrs. practice per week.

010 Concert Class (no credit). The class meets weekly. Required of all full-time Music Majors and Minors, but attendance is open to any person. Minimum attendances per semester: 10 sessions for all Music Majors. 8 sessions for all Music Minors. As a part of this course, attendance at a minimum of 5 Music Department-sponsored, on-campus concerts-recitals is required. Participation in the concert-recital will not constitute attendance for meeting this requirement. Each semester.

Prerequisite to all private lesson courses. Consent of Instructor.

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

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**II. Theory-Composition Emphasis Requirements**

1. **General University and Basic Core Requirements** (including 3 credits of Music History in Area I) 29-32
2. **Music Requirements**:
   A. Music Core ................................................. 40
   B. Lower Division Courses .......................... 15
     Performance Major Studies ..................... 8
     Functional Piano ...................................... 2
     Choral and Instrumental Conducting .......... 2
     Orientation to Music Ed. ......................... 1
   C. Upper Division Courses ......................... 23
     Performance Major Studies ..................... 8
     Band & Orchestra Methods & Materials ...... 2
     Choral Methods and Materials ................. 2
     Teaching Music in the Elementary Classroom . 2
     One-half Senior Recital .......................... 1
   D. Education School Requirements ............ 12
     (General Psych — Area II) ..................... (3)
     (Educational Psych — Area II) ............... (3)
     Foundations of Education ...................... 3
     Secondary School Methods ...................... 3
   
   3. Electives (Any Area) ........................... 9-12
     Total: 128

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School of Arts & Sciences

Music

Strings
121, 371 Violin — 2 credits  
122, 372 Violin — 4 credits  
161, 361 Viola — 2 credits  
162, 362 Viola — 4 credits  
121, 321 Cello — 2 credits  
122, 322 Cello — 4 credits  
123, 323 String Bass — 2 credits  
124, 324 String Bass — 4 credits

Each semester

Guitar
125, 325 Guitar — 2 credits  
126, 326 Guitar — 4 credits

Each semester

Prerequisite: Performance major area during their senior year. This recital may also serve the performance major area in their senior year. This recital may also serve the Music Education Emphasis will be required to present a half (%) recital in their senior year. Prerequisite: Major in Performance and permission of the student’s supervising private teacher. Each semester.

127 Beginning Guitar Class (1 credit). This is a course in the technical fundamentals involved in playing the acoustic guitar for the beginner. Making use of popular and folk songs, the course is based on written notation andaural instruction, stressing chordal playing and correct posture and holding positions. Students are required to provide their own instrument. Meets twice a week. May be repeated once for credit.

128 Intermediate Guitar Class (1 credit). A continuation of MA 127. Emphasis is given to understanding fret-board theory, reading musical notation for the guitar and solo playing. The concept of form is introduced and developed as it relates to popular music. Students must provide their own instrument. Meets twice a week. May be repeated once for credit. Prerequisite: MA 127 or permission of instructor. Each semester.

130 Advanced Guitar Class (2 credits). A study of musical and technical problems inherent in solo guitar playing. Chord construction and progression are studied in depth through intervalic analysis and functional harmonic relationships. Theoretical principles of guitar transcriptions are covered and improvisation is introduced. Meets three times a week. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 128 or permission of instructor. Either semester.

132 Jazz Guitar Class (1 credit) A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in conjunction with rhythm and melodic improvisation is approached within a historical perspective beginning with the 1930’s. Students must provide their own instrument. Meets twice a week. May be repeated once for credit. Prerequisite: MA 128 or permission of instructor. Either semester.

Brass
108, 309 Applied Brass — 2 credits  
110, 310 Applied Brass — 4 credits  
111, 311 Horn — 2 credits  
112, 312 Horn — 4 credits  
113, 313 Trombone — 2 credits  
114, 314 Trombone — 4 credits  
115, 315 Trumpet (or Baritone) — 2 credits  
116, 316 Trumpet (or Baritone) — 4 credits  
117, 317 Tuba — 2 credits  
118, 318 Tuba — 4 credits

Each semester

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

Each semester

Organ
131, 331 Organ — 2 credits  
132, 332 Organ — 4 credits

Prerequisite: Level 3 Piano proficiency.  
Each semester

Percussion
141, 341 Percussion — 2 credits  
142, 342 Percussion — 4 credits

Each semester

Piano
160 Piano Class — 1 credit  
Maximum 2 credits allowed.
151, 351 Piano — 2 credits  
152, 352 Piano — 4 credits

Each semester

Voice
180 Voice Class — 1 credit  
Maximum 2 credits allowed.
181, 381 Voice — 2 credits  
182, 382 Voice — 4 credits

Each semester

410 Music Composition (2 credits). 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 8 credits. Prerequisite: Permission of instructor. Each semester.

444 Music Education-Bachelor of Arts Senior Recital (1 credit). All students under the Music Education Emphasis will be required to present a half (%) recital in their performance major area during their senior year. This recital may also serve the Bachelor of Arts Music Major program. Prerequisite: three years or its equivalent of study in the area. Each semester.

445 Recital (2 credits). 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. The student must have permission of his teacher and the chairman of the music department. Each semester.

446 Senior Performance Recital (2 credits) Students majoring in Performance Studies will be required to present a senior recital on their major instrument. Prerequisite: Major in Performance and permission of the student’s supervising private teacher. Each semester.

447 Senior Composition Recital (2 credits). A recital for the performance of original compositions by the Theory-Composition Major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition Majors. Prerequisite: Major in Theory-Composition and permission of supervising faculty member. Each semester.

Graduate Level Performance Studies

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

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

All MA 500 level courses are repeatable for credit to a maximum of 8 credits.

MA 580 Applied Brass — (2 credits)
MA 581 Applied Strings — (2 credits)
MA 582 Applied Keyboard — (2 credits)
Piano, Organ, Harpsichord — (2 credits)
MA 583 Applied Percussion — (2 credits)
MA 584 Applied Voice — (2 credits)
MA 585 Applied Woodwinds — (2 credits)
Flute, Oboe, Clarinet, Saxophone, Bassoon, Recorder

Me Music, Ensemble

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

101, 301 University Singers (1 credit). A general choral group open to all college students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester. Concurrent enrollment in ME 105, 305 prohibited. Maximum credits: ME 105 and/or ME 305, 8 cr. Each semester.

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

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

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

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

126, 326 Jazz Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of jazz ensemble. Includes performance of Dixieland, bebop, swing, big-band jazz, rock, and contemporary concert jazz. A public performance will be required each semester. Prerequisite: consent of instructor. Maximum credits: ME 126, and/or ME 326, 8 cr. Each semester.

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

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

141-341 Keyboard Percussion Ensemble (1 credit). In conjunction with the percussion of music for public performance, students will acquire a fine hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble. Each semester.

150, 350 Orchestra (1 credit). The Boise State University Community Symphony is composed of students and experienced musicians of the community and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150, and/or ME 350, 8 cr. Each semester.
160, 360 String Ensemble (1 credit). A course designed to promote playing in and increasing repertoire of music for small string ensembles. A public performance is required each semester. Maximum credits: ME 150, and or ME 380, 8 cr. Prerequisite permission of instructor. Each semester.

167, 168 Guitar Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of ensembles or including guitar(s). Prerequisite: Second year playing proficiency and permission of instructor. Maximum credits: ME 187 and- or ME 380, 8 cr. Each semester.

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

185, 385 Duo-Piano Ensemble (1 credit). A basic survey of duo-piano literature from the baroque to the present. Students will learn how to cope with ensemble problems encountered in rehearsal and performance. Class sessions will consist of performance, listening and discussion. One paper will be prepared by each student. Prerequisite: either semester. Meets once a week, but at least one hour per week of outside preparation is expected of the student. Prerequisite: Consent of instructor. Maximum credits: ME 185 and or 385, 5 credits.

Graduate

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

520 Instrumental Ensemble (1 credit). A performing group or groups will be formed, dependent on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Medieval, Renaissance, Baroque, Classic, Romantic and Contemporary music will be performed in groups from trios up to and including band and orchestra. Emphasis will be placed on the techniques of ensemble playing, intonation, phrasing, articulation and proper performance practices of ensemble literature.

MU MUSIC, GENERAL

Lower Division

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

119 Materials of Music I (3 credits). This course includes music fundamentals (notation, intervals, triads, scales and modes, key signatures); melodic cadences, melodic construction and decoration; 2- and 3-voice textures (linear and vertical). Emphasis is on aural and visual recognition and analysis, along with compositional skills involving the above. Prerequisite: MU 119 or equivalent compositional studies and piano proficiency. MU 119. Fall semester.

121-122 Beginning Ear Training (1 credit). A course designed to correlate with Materials of Music I and II and which emphasizes auditory training in scales (including the modes and major and minor) and all chords. The course includes transposing and sight singing using the major and minor scales and harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Materials of Music I and II. Fall and Spring semesters.

133 Introduction to Music I (3 credits). An elective course open to all students and focusing on familiarizing the listener with a variety of musical expression. The emphasis is laid upon the enjoyment of music through the understanding of recorded and live music. Each semester.

147 Survey of Opera and Music Theatre (1 credit). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, filmstrips, and library resources from the beginning of the Baroque period to contemporary Modern opera and music theatre compositions. Required of voice majors. Meets twice a week. Fall semester.

213 Functional Piano (2 credits). Class instruction for Music Education majors; designed to teach basic piano skills through scales, chords, arpeggios and melodies. Prerequisite: MU 120. Fall semester. Note: this course is designed to correlate with Materials of Music I and II and which emphasizes auditory training in scales (including the modes and major and minor) and all chords. The course includes transposing and sight singing using the major and minor scales and harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Materials of Music I and II. Fall and Spring semesters.

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

121-122 Beginning Ear Training (1 credit). A course designed to correlate with Materials of Music I and II and which emphasizes auditory training in scales (including the modes and major and minor) and all chords. The course includes transposing and sight singing using the major and minor scales and harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Materials of Music I and II. Fall and Spring semesters.

313-314 Keyboard Harmony and Basic Improvisation (2 credits). The student will learn to play in strict four-part harmony from figured basses and melodies, from unfugured basses and melodies, to modulate, to play familiar tunes in four parts in various keys and be instructed in the basic materials for improvising at the piano and organ. Prerequisite: Materials of Music II MU 120, and Beginning Ear Training MU-121 and MU-122 for student majoring in piano or organ. Four non-keyboard majors, the student must have had one to two years piano study. Fall-Spring semester.

321-322 Counterpoint (2 credits). A study of the 16th century composition techniques. The C clefs will be used and the student will write in two, three, and four parts, the five classic species of counterpoint. If the course is extended to include five and six parts and original compositions in the style. Prerequisite: Materials of Music IV MU 220. Completion of MU-221 and MU-222 is desirable. Fall-Spring semester.

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

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

368 Instrumental Conducting (1 credit). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. Meets twice a week. Prerequisite: Basic Conducting MU 261. Spring semester.

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

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

370 Guitar for Classroom Teachers (2 credits). A course designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary skills, elementary chord theory, melodic playing, proper hand position and note reading. Musical material is drawn from popular folk and children's songs useful in elementary classes. Maybe repeated once for credit. Either semester.

embracing compositions for small ensembles as well as large, the relations to modern instrumentation will be made. The validity and effectiveness of the language of the period. Basic historical background of the specific works considered or the conductor to more adequately understand and communicate the musical sources of pertinent information. The standpoint of performance practice, analytical techniques and the reading of primary sources of pertinent information. Students are encouraged to take 4 1/2, 5 years or more to earn the prescribed initial courses. Many students find it desirable to that at the University of Idaho. The minimum time required to implementation in the schools inclusion of music in the curriculum will be, among topics covered. A written examination on five questions chosen by the student's committee C. A lecture/recital with a written paper discussing aspects of music which is consent of instructor. A scholarly paper embodying results of original research which are used to substantiate a specific view. C. A written examination on five questions chosen by the student's committee D. A written examination on five questions chosen by the student's committee A library research paper which fits the educational needs of the student. A curricular proposal or written form which could be considered for implementation in the schools. The following curriculum is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS degree in engineering is 4 years and the following program is designed to do this along with 2 years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take 4 1/2, 5 years or more to earn the degree. Therefore, a course option based on 3 years at
BSU followed by 1 1/2 years at Idaho U. is available and students may consult an engineering advisor about this program. This 5-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than University of Idaho to complete their degree.

COMMON FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>English Composition (EN 101-102)</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry (C 131-132-133)</td>
<td>4</td>
</tr>
<tr>
<td>Calculus and Analytic Geometry (M-112-205)</td>
<td>5</td>
</tr>
<tr>
<td>Engineering Fundamentals (EN 107-108)</td>
<td>2</td>
</tr>
<tr>
<td>Digital Computer Programming (EN 104)</td>
<td>2</td>
</tr>
<tr>
<td>Physics I (PH 220)</td>
<td>—</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
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</table>

17 17

COMMON SOPHOMORE YEAR:

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

17 16-18

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

Branch Variations:

**Agricultural Engineering**

Dynamics of Rigid Bodies (EN 206) 2

**Civil Engineering**

Dynamics of Rigid Bodies (EN 206) 2

Engineering Measurements (EN 216) 2

Elective (See Advisor) 3

7

**Mechanical Engineering**

Dynamics of Rigid Bodies (EN 206) 2

Chemical Engineering

Organic Chemistry (C 317) 3

Principles of Economics (EC 201) 3

6

Electrical Engineering

Engineering Science Elective 3

JUNIOR YEAR:

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

PHYSICS

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

ARCHITECTURE

Boise State does not offer an Architectural degree program. In Idaho there is an accredited Architectural program at the University of Idaho, which is combined with Art to form one department. Therefore, students planning to transfer to University of Idaho should confer with a BSU Art department advisor.

A number of schools offer a degree in Architectural Engineering. If interested in earning a degree of this type, confer with an Engineering department advisor.

CONSTRUCTION MANAGEMENT

(Bachelor of Science Requirements)

This program is offered for the first time in the 1977 Fall semester. The upper division Construction Management courses (designated as CO) will be offered, subject to funding, beginning in Fall 1979.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>E-101/102 English Comp</td>
<td>3</td>
</tr>
<tr>
<td>M-111 Algebra &amp; Trigonometry</td>
<td>5</td>
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<tr>
<td>M-112 Calculus and Analy. Geom.</td>
<td>—</td>
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<tr>
<td>EN-101 Technical Drawing</td>
<td>2</td>
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<tr>
<td>PO-102 State &amp; Local Gov.</td>
<td>—</td>
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<tr>
<td>** Area I Elective</td>
<td>3</td>
</tr>
<tr>
<td>EN-104 Digital Comp. Progr.</td>
<td>—</td>
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<tr>
<td>** Area II Elective</td>
<td>—</td>
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</tbody>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>M-205 Calculus &amp; Analy. Geom.</td>
<td>4</td>
</tr>
<tr>
<td>PH-220 Physics I-Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>EC-201 Principles of Economics</td>
<td>3</td>
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<tr>
<td>AC-205 Intro. to Financial Acct.</td>
<td>3</td>
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<tr>
<td>GB-202 Business Law I</td>
<td>3</td>
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<tr>
<td>EN-205 Intro. to Mechanics</td>
<td>—</td>
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<tr>
<td>PH-222 Physics III-Elect. &amp; Mag.</td>
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<tr>
<td>EC-202 Principles of Economics</td>
<td>—</td>
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<tr>
<td>AC-206 Intro. to Managerial Acct.</td>
<td>—</td>
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<tr>
<td>GB-207 Statistical Tech. for Decision Making I</td>
<td>—</td>
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<tr>
<td>PH-224 Elect. &amp; Mag. Lab</td>
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JUNIOR YEAR

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>EN-215 Basic Surveying</td>
<td>2</td>
</tr>
<tr>
<td>CO-346 Contacts, Plans, Specifications</td>
<td>3</td>
</tr>
<tr>
<td>AC-351 Cost Acct.</td>
<td>3</td>
</tr>
<tr>
<td>MG-301 Principles of Manag.</td>
<td>3</td>
</tr>
<tr>
<td>** Area I Elective</td>
<td>3</td>
</tr>
<tr>
<td>EN-302 Mech. of Materials</td>
<td>—</td>
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<tr>
<td>CO-370 Cost Est. &amp; Bidding</td>
<td>—</td>
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<tr>
<td>FI-303 Prin. of Finance</td>
<td>—</td>
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<tr>
<td>** Electives</td>
<td>4</td>
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<tr>
<td>GB-330 Labor Law</td>
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SENIOR YEAR

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<tr>
<th>1ST SEM.</th>
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<tr>
<td>MK-301 Basic Marketing Management</td>
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<tr>
<td>CO-374 Construction Operation</td>
<td>3</td>
</tr>
<tr>
<td>CO-320 Construction Equipment and Materials</td>
<td>—</td>
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<tr>
<td>MG-401 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>GB-430 Labor Relatives</td>
<td>3</td>
</tr>
<tr>
<td>** Electives</td>
<td>4</td>
</tr>
<tr>
<td>CO-417 Project Sched. &amp; Const.</td>
<td>—</td>
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</tbody>
</table>

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Physics

CO-350 Elect. & Mech. Installation 3

GB-450 Business Policies 3

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COURSES

CO CONSTRUCTION MANAGEMENT

Upper Division

320 Construction Equipment and Materials (3 credits). 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. Fall semester.


350 Electrical and Mechanical Installations (3 credits). Fundamentals of electrical systems, light and power requirements, plumbing and sanitation, heating and air conditioning, application of building codes. Spring semester.


374 Construction Operation (3 credits). Contractor organization and project supervision, including methods, equipment, methods of construction, construction safety. Prerequisite: GB 207 and 320. Fall semester.

417 Project Scheduling and Control (3 credits). Critical path method (CPM) as a construction planning, scheduling and management technique. Prerequisites: EN 104 and CO 374. Spring semester.

EN ENGINEERING

Lower Division

100 Concepts and Consequences of Energy Utilization (4 credits). An introductory course for non-science majors designed to acquaint students with the basics of energy utilization technology and its cultural and environmental impacts. The course will demonstrate the role of technology in our society by developing a conceptual understanding of the operation and limitations of the technological machines which supply our society's energy. Three hour lectures and one two-hour projects lab each week. Fall semester.

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

104 (M-124) Digital Computer Programming (2 credits). Course for engineering, science or mathematics majors to introduce fortran programming principles and logic. Course and subroutine subprograms, applied to problem solving. Prerequisite: M-106, M-111 or M-115 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both EN 104 and M 125. Each semester.

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


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

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

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

221 Systems and Circuits I (3 credits). Intro for engineering students; includes power and energy, circuit analysis, transient and steady state behavior, and resonant systems. Three lectures per week. Prerequisite: M 112. Fall Semester.

222 Systems and Circuits II (4 credits). Continuation of EN 221 with emphasis on application in electronics, magnetic circuits, energy conversion, feedback systems and instrumentation. Three lecture and one 3-hour lab per week. Prerequisite: En 221. Spring semester.

224 Electricity and Magnetism Lab (1 credit). See Ph 224.

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

Upper Division

301 Fluid Mechanics (3 credits). Physical properties of fluids; fluid mechanics and measurement flows; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Three recitations per week. Prerequisites: Calculus M-206 and Intro to Mechanics: En-205. Spring semester.


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

382 Engineering Economy (2 credits). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. Prerequisite: Junior standing. Spring semester.

PS PHYSICAL SCIENCE

Lower Division

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

Graduate

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

PH PHYSICS

Lower Division

100 A Cultural Approach to Physics (4 credits). 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. Three lectures and one laboratory experiment per week. Spring semester.

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

103 Radiological Physics (2 credits). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included. Fall semester.

104 Radiological Physics (2 credits). 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. Spring semester.

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

207 Introduction to Biophysics (4 credits). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. Three 1-hour lectures and one 3-hour lab. Prerequisite: It is recommended that the students have taken Math 111 or 115 or its equivalent.

220 Physics I-Mechanics (3 credits). Kinematics, dynamics of particles, statics, moments, work, energy, rotational motion and vibratory motion. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: M-112. Must be taken concurrently with M-205. Either semester.

221 Physics II-Wave Motion and Heat (3 credits). Wave motion on strings, sound, acoustics, phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the First and Second Laws of Thermodynamics. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH 220. Must be taken concurrently with PH 223. Either semester.

222 Physics III-Electricity and Magnetism (3 credits). Coulomb's Law, electric fields, electromagnetic fields, magnetic induction and simple circuits. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH 220. Must be taken concurrently with PH 224. Either semester.

223 Wave Motion and Heat Lab (1 credit). A lab designed to be taken concurrently with PHYS 221. Basic experiments in mechanics, wave motion, sound, optics and heat. One 3-hour lab per week. Prerequisite: PH 220 and concurrent enrollment in PHYS 221. Fall semester.

224 (EN 224) Electricity and Magnetism Lab (1 credit). A lab designed to be taken concurrently with PHYS 223. Basic experiments in electricity, simple circuit analysis and instrumentation. One 3-hour lab per week. Prerequisite: PH 220 and concurrent enrollment in PHYS 224. Spring semester.
The program of the Department of Political Science is designed to provide the student with a knowledge of political values, of the American political system, of the political systems of other areas of the world, and of international politics and institutions; to provide an understanding of the interactions of institutions, groups, and the individual within the framework of the diverse political systems and political relationships; to develop a comprehensive understanding of the methodology relevant to the discipline of Political Science in the various substantive areas of concentration, including political philosophy, American governmental systems and processes, political behavior, comparative government and politics, international relations, and public law; to offer special concentration in the area of public administration.

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

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

In addition to the several optional major programs in Political Science, the College offers 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.

**Requirements for Political Science Major**

**Bachelor of Arts Program**

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

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

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

V. Political Science

**Social Science Secondary Education**

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

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

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

At least 3 Semester credits in Western Political Theory required. PO-441, PO-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.

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

A. General College and Core Requirements

B. Political Science Major Requirements (45 credits)

1. **Lower Division courses (12 credits)**

   - PO-101 American National Government 3 credits
   - PO-141 Contemporary Political Ideologies 3 credits
   - PO-229 Comparative European Governments and Politics 3 credits
   - PO-231 International Relations 3 credits

2. **Upper Division Courses (33 credits)**

   - PO 301 Parties, Electoral Process and Interest Groups 3 credits
   - PO 351 Constitutional Law 3 credits
   - PO 331 American Political Theory 3 credits
   - PO 441 Western Political Theory I 3 credits
   - PO 442 Western Political Theory II 3 credits
   - PO 451 Comparative Legal Systems 3 credits
   - PO 498 Senior Seminar (Scope and Methods of Political Science) 3 credits
   - Political Science electives 12

II. Political Science - American Governmental Systems Processes emphasis.

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

A. General College and Core requirements

B. Political Science Major Requirements (45 credits)

1. **Lower Division Courses (16 credits)**

   - PO 101 American National Government 3 credits
   - PO 102 State and Local Government 3 credits
   - PO 141 Contemporary Political Ideologies 3 credits
   - PO 221 Public Opinion and Voting Behavior 3 credits
   - PO 229 Comparative European Governments and Politics 3 credits
   - PO 231 International Relations 3 credits

2. **Upper Division Courses (27 credits)**

   - PO 301 American Parties and Interest Group Politics 3 credits
   - PO 303 Introduction to Public Administration 3 credits

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SCHOOL OF ARTS & SCIENCES
Political Science

PO 312 Legislative Behavior .................. 3
PO 351 Constitutional Law .................. 3
PO 331 American Political Theory .......... 3
PO 498 Senior Seminar (Scope and
Method of Political Science) .......... 3

Political Science Electives .................. 9

III. Political Science - International Relations emphasis.
The area of emphasis in international relations is available for
students wishing to obtain a general understanding of
international affairs for a more intelligent citizenship in the
modern world society. Students enrolling in this option are
advised to prepare themselves adequately in modern foreign
languages. The course requirements in Political Science are
intended to provide a basis for an interdisciplinary program
with additional courses drawn from foreign languages, history,
economics, and sociology.
A. General College and Core requirements.
B. Political Science Major Requirements (45 credits)
1. Lower Division Courses (12 credits)
   PO 101 American National Government .... 3 credits
   PO 141 Contemporary Political
   Ideologies .................. 3
   PO 229 Comparative European Governments
   and Politics .................. 3
   PO 231 International Relations .................. 3
2. Upper Division Courses (33 credits)
   PO 311 Comparative Foreign Policy .......... 3 credits
   PO 324 Comparative Communist Party
   - State Systems .................. 3
   PO 333 Comparative Governments and Pol-
   itics of the Developing Nations .......... 3
   PO 335 United States Foreign Policy .......... 3
   PO 421 International Law .................. 3
   PO 422 International Organization .......... 3
   PO 451 Comparative Legal Systems .......... 3
   PO 498 Senior Seminar (Scope and
   Methods of Pol. Sci.) .............. 3

Political Science Electives .................. 9

IV. Political Science - Public Administration emphasis.
As an optional area of emphasis in Political Science, the
course requirements are designed to provide a broad founda-
tion in the discipline of Political Science with special concen-
tration in the area of Public Administration. Special inter-
disciplinary course patterns can be arranged for students
interested in such complementary areas as public adminis-
tration and economics, public administration and sociology,
public administration and psychology, public administration
and communications. Appropriate course selections for all
students opting for the Public Administration area of emph-
asis should include electives in computer science, psychology,
sociology, history, economics, and communications.
A. General College and Core Requirements.
B. Political Science Major Requirements (45 credits)
1. Lower Division Courses (12 credits)
   PO 101 American National Government .... 3 credits
   PO 102 State and Local Government .......... 3
   PO 141 Contemporary Political Ideologies .......... 3
   PO 229 Comparative European Governments
   and Politics .................. 3
   PO 231 International Relations .................. 3
2. Upper Division Courses (30 credits)
   PO 303 Introduction to Public Administra-
   tion .................. 3 credits
   PO 310 Public Finance .................. 3
   PO 320 American Policy Processes .......... 3
   PO 325 Regional Administration .......... 3
   PO 465 Comparative Public Administra-
   tion .................. 3
   PO 467 Administrative Law .......... 3
   PO 487 Organization Theory and Bureau-
   crateic Structure .............. 3

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

30 Credit Hour Program - 24 credit hours required courses:
PO 101 American National Government .......... 3 credits
PO 102 State & Local Government .......... 3
PO 221 Public Opinion and Voting Behavior .......... 3
PO 231 International Relations .......... 3
PO 229, 324, or
PO 333 Comparative Government .......... 6
441, or
442 Political Theory .............. 6

Plus upper division Political Science
 electives .............. 9

15 Credit Hour Emphasis - 9 credit hours required courses:
PO 101 American National Government .......... 3 credits
PO 231 International Relations .......... 3
PO 331 and/or
442 Political Theory .............. 6

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

THE DEGREE OF MASTER OF
PUBLIC ADMINISTRATION

Department of Political Science

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

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

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

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

Specific Admission Requirements for Applicants to the MPA Program

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

A. Possession of a baccalaureate degree from an accredited institution.
B. Demonstration of satisfactory academic competency by attaining an overall GPA of 2.75 and recommendation for admission by the Department of Political Science. Students with a lower GPA may be admitted on provisional status on recommendation of the Department of Political Science with approval of the Graduate School. Final determination on the retention in the MPA program of a student with provisional status will be made after the completion of twelve (12) credits of approved study, with the general requirements of a grade of "B" or better in the course work taken.
C. Receipt of three letters of personal evaluation from individuals qualified to evaluate the applicant's academic potential. Evaluators may include current or former employers, as well as professors. The letters are to be addressed as follows: Chairman, Department of Political Science, Boise State University, Boise, Idaho 83725.
D. Submission of a brief statement by the applicant indicating his/her career objectives and the area of emphasis to be undertaken in the Master of Public Administration program.
E. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program.
1. American National Government - 3 semester credits
2. State-Local Government - 3 semester credits
3. Introduction to Public Administration - 3 credits
4. At least three semester credits in each of two of the following areas:
   a. Sociology
   b. Economics
   c. Psychology
5. At least three semester credits in one of the following areas:
   a. Accounting
   b. Data Processing
   c. Social Statistics
6. For those students selecting "Human Services Administration" as their "area of emphasis" for specialized preparation in Public Administration, at least 9 semester credits in Sociology.
7. For those students selecting "Criminal Justice Administration" as their "area of emphasis" for specialized preparation in public administration, at least 9 semester credits in Criminal Justice.

Students who are deficient in any of the prerequisites indicated above must remove these deficiencies prior to enrollment in MPA graduate-level courses for credit. The student may be required to remove other deficiencies as determined by the Inter-University Committee established for administrative coordination of the MPA program.

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

THE GRADUATE DEGREE PROGRAM

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

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

Core and Optional Area Requirements

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

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

1. At least one course selected from each of the following "core areas":
   a. Administrative Theory, Organization and Behavior
   b. Public Management Techniques
   c. Public Policy and Policy Analysis
2. At least one course from each of two of the following "core areas":
   a. Administrative Law
   b. The Executive and the Administrative Process
   c. Intergovernmental Relations
   d. Community and Regional Planning
   e. Comparative Public Administration and Planning Systems
3. A sixth course is to be selected also from any one of the eight "core areas" listed under items one and two above.
SCHOOL OF ARTS & SCIENCES

Political Science

Optional "Areas of Emphasis": At least 12 semester credit hours of course work are to be taken in any one of the following "areas of emphasis":

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

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

COURSES OFFERED AT BOISE STATE UNIVERSITY FOR THE DESIGNATED "CORE AREAS" AND THE OPTIONAL "AREAS OF EMPHASIS" IN THE MPA PROGRAM

I. DESIGNATED CORE AREAS

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

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

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

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

D. Administrative Law
   PO 467 (G) ADMINISTRATIVE LAW

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

F. Intergovernmental Relations
   PO 469 (G) INTERGOVERNMENTAL RELATIONS

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

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

II. OPTIONAL "AREAS OF EMPHASIS"

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

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

Any of the following courses, identified as "selected topics," which will be offered as staff availability permits, may be selected also to satisfy the General Public Administration area of emphasis.

PO 580 SELECTED TOPICS - Administrative Theory, Organization and Behavior
PO 581 SELECTED TOPICS - Public Management Techniques
PO 582 SELECTED TOPICS - Public Policy and Policy Analysis
PO 583 SELECTED TOPICS - Administrative Law
PO 584 SELECTED TOPICS - The Executive and the Administrative Process
PO 585 SELECTED TOPICS - Intergovernmental Relations
PO 586 SELECTED TOPICS - Community and Regional Planning
PO 587 SELECTED TOPICS - Comparative Public Administration and Planning Systems

Arrangements may also be made in the following courses.

PO 593 THESIS
PO 595 READING AND CONFERENCE
PO 596 DIRECTED RESEARCH
PO 599 CONFERENCE/WORKSHOP

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

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

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

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

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

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

H. Human Services Administration
   SO 510 CONFLICT AND CHANGE IN SOCIO-CULTURAL SYSTEM
   SO 611 THE SOCIOLOGY OF AGE-GROUP STRATIFICATION
   SO 512 SOCIAL DEMOGRAPHY
   SO 580 SELECTED TOPICS - Human Services Administration
   SO 595 READING AND CONFERENCE
COURSES

PO POLITICAL SCIENCE

Lower Division

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

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

141 Contemporary Political Ideologies (3 credits). An examination of liberalism, conservatism, fascism, and National Socialism, with emphasis on the principal ideas characterizing each "ideology." Each semester.

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

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

231 International Relations (3 credits). A study of the nature of relations among nations with particular reference to contemporary international issues. An analysis of motivating factors including nationalism, class consciousness, Communist, a study of the problem of national sovereignty and its relation to international cooperation. Prerequisite: Federal Government PO-101 or International Relations PO-231 or consent of instructor and approval of Department Chairman. Each semester.

Upper Division

301 Parties, Electoral Process and Interest Groups (3 credits). The major objective of this course is to develop an understanding of the nature, functions, organizational dynamics, activities, political parties and the role of these groups within the American political system. Emphasis will be placed on the performance of America's two major political parties, especially in the arena of nominations and elections, and on the politicalization and lobbying activities of the major American interest groups. Fall semester.

303 Introduction to Public Administration (3 credits). Theory, administrative organization, funding problems of public governmental units, Prerequisites: Federal Government PO-101, Each semester.

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

311 Comparative Foreign Policy (3 credits). A comprehensive study of the political institutions, concepts, values, and methods of international politics relevant to the practice of nation-states; examination of foreign policies and objectives of the world's major powers; analysis of contemporary international arrangements, including the theories of international politics. Prerequisite: Federal Government PO-101 or International Relations PO-231 or consent of instructor and approval of Department Chairman. Either semester, alternate years.

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

320 American Policy Process (3 credits). An examination of the process through which policy is designed, implemented, and adjudged, with emphasis on the role of administrators. Prerequisite: PO-303. Either semester, alternate years.

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

325 Regional Administration (3 credits). Survey of the organizational arrangements developed for planning, for providing services, and for regulating resources across city and state boundaries. Intergovernmental relations and metropolitan regions will be emphasized. Prerequisites: PO-102, PO-302. Either semester.

330 Issues In Public Personnel Affairs (3 credits). Survey of the public personnel problems, including recruitment, training, motivation, and discipline. Prerequisites: PO-303. Either semester.

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

333 Comparative Governments and Politics of Developing Nations (3 credits). A study of the political institutions of selected nations in the developing areas of the world, including nation-states in Africa, Asia, and Latin America. The patterns and problems of political development will be analyzed in the light of the role of the executive agencies through the system and its concepts as revealed in judicial decisions. Prerequisite: Federal Government PO-101. Spring semester, alternate years.

335 United States Foreign Policy (3 credits). Development of diplomacy from the founding of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments on the formulation of foreign policies. Either semester, alternate years.


421 International Law (3 credits). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international problems. Prerequisites: Federal Government PO-101 and International Relations PO-231. Fall semester, alternate years.

422 International Organization (3 credits). Historical background: the League; basic principles of international and national legislatures. Problem of national sovereignty and its relation to international cooperation. Prerequisites: Federal Government PO-101 and International Relations PO-231. Spring semester, alternate years.

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

442 Part II Western Political Theory (3 credits). The development of political thought since Machiavelli. Prerequisite: Part I Western Political Theory PO 441. Spring semester, alternate years.

451 Comparative Legal Systems (3 credits). An examination of principal legal systems of the world, with emphasis on idealization foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. Prerequisite: Federal Government PO-101, Comparative Political Ideologies PO-141, and Comparative European Governments and Politics PO-299 or consent of instructor and approval of Department Chairman. Spring semester, alternate years.

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

466G Comparative Public Administration Administration (3 credits). Systematic examination and comparison of the varied models, structures, and processes of administrative systems. The course will cover intranational and international studies. (Students enrolled in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO-303. Either semester, offered in alternate academic years. Offered in 1975-76, Spring semester.

467G Administrative Law (3 credits). Review of the sources of power and duties of administrative agencies, the rules and regulations made by them, investigation and hearings, as well as judicial decisions and precedents relating to administrative activities. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO-303. Either semester, offered in alternate academic years. Offered in 1975-76, Each semester.

468G Intergovernmental Relations (3 credits). An examination of intergovernmental 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.) Prerequisite for undergraduate students: PO-101, PO-102, and PO-303. Either semester, offered in alternate academic years. Not offered in 1975-76.

478G Organizational Theory and Bureaucratic Structure (3 credits). A sociopolitical analysis of the theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (Students enrolling in this course for graduate level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: Upper Division standing and consent of instructor. Either semester.

498 Senior Seminar (Scope and Methods of Political Science) (3 credits). An examination of the discipline of Political Science, its central problems and unifying concerns, and an inquiry into the techniques of scientific political investigation as they relate to improved research methods. This seminar is required of all Political Science majors. Fall semester. (The 400 level courses identified with (G) are offered for graduate credit.)


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

520 Public Policy Formulation and Implementation (3 credits). The process of policy-making both within an agency and within the larger context of the total governmental process, emphasizing policy and program planning, policy implementation, and the value system of the bureaucrats. Either semester.

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

The following courses identified as "selected topics" are to be offered as staff availability permits:

580 Selected Topics—Administrative Theory, Organization, and Behavior (3 credits)
SCHOOL OF ARTS & SCIENCES

Social Work

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

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

583 Selected Topics—Administrative Law (3 credits).

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

585 Selected Topics—Intergovernmental Relations (3 credits).

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

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

590 Public Service Internship (Variable Credit). A public service internship is to be arranged, as field experience, for those students with no prior experience in governmental or other organization assignments. Such internships will be established and arrangements made for placement through the chairman of the Department of Political Science.

592 Thesis (3 credits/semester). Selection of approved topic in public administration for major preparation and defense through consultation with major advisor.

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

596 Directed Research (1-3 credits). Special projects undertaken by the MPA student as advanced tutorial study in specialized areas according to the needs and interests of an individual student. The course embodies research, discussions of the subject matter, and procedures with a designated professor and a documented paper covering the subject of the independent study.

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

PY PHILOSOPHY

Lower Division

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

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

211 Ethics (3 credits). Problems of both normative ethics and metaethics are examined. Normative ethics concerns the norms and guidelines of moral behavior. Metaethics is principally concerned with the nature of ethical statements. Naturalism, intuitionism, and emotivism are thus examined. Spring semester.

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

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

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

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

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

Upper Division

303 The Age of Absolutism and Reason (Philosophy). (3 credits). A study of European thought in the seventeenth and eighteenth centuries. The age of absolutism, ideas of the philosophers and the crisis of the old regime leading to revolution. Prerequisite: Introduction to Philosophy, Py 101. (Course may be taken either for History credit or for Philosophy credit, but not for both.) Either semester, alternate years offered 1975-76.

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

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

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

DEPARTMENT OF SOCIAL WORK

Chairman and Associate Professor: Mr. Douglas Yunker; Associate Professor: Huff; Assistant Professor: Beck, Oliver, Parish.

Clinical Associates: Irene Wilcox, Child Protection Region IV; David Goodenough, Psychological Services of Idaho; Charles Hansen, Social Services Veterans Administration; Barry Kurtz, Social Services Veterans Administration; Arminie R. Ballon, Social Services Veterans Administration; Art Dodson, Casey Family Program; Tom Weeden, Casey Family Program; Gail Thompson, Mental Health Center; Roy Haney, Mental Health Analysis; June De Reed, Elida Community Action Agency; Anne Goss, Information and Referral; David Stout, Region II Mental Health Center; Dore Stout, Region III Mental Health Center; Hildegard Mazerull, Idaho Youth Ranch.

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

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

Community centers, psychiatric and general hospitals and service centers for the aged also seek qualified social workers and offer varied career opportunities. Equally challenging opportunities exist in public and private agencies that deal with problems of housing and urban renewal, public health, community mental health, social welfare planning and fund-raising, 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.

REQUIREMENTS FOR SOCIAL WORK MAJOR

Bachelor of Arts Program

General University and Major Requirements 128

A. Lower Division Courses 74

English Composition 6

Literature 6

Humanities 6

History 6

Lab Science and Math 12

Communication 3

Economics 3

Intro-Sociology 3

Social Problems 3

General Psychology 3

State and Local Government 3

Intro-Social Work 3

Elementary Social Work Processes 3

General Electives 14

B. Upper Division Courses 54

Social Welfare 3

Normal Social Functioning 3

SW Methods - Casework 3

SW Methods - Groupwork 3

SW Methods - Community Organization 3

Statistics 3

Psychology Electives 9

Field Work 10

General Electives 15

Senior Seminar 2
COURSES

SW SOCIAL WORK

Lower Division
101 Introduction to Social Work (3 credits). Survey of the field of social welfare and the need for social services in society. Social work function and career opportunities. Required for social work major. Each semester.

201 Elementary Social Work Processes (3 credits). This course is an introduction to communication skills and interviewing techniques which are specific to the practice of Social Work. Community social service resources are reviewed. This includes three (3) hours of service per week in a social service agency, integrating interviewing skills with actual practice. Prerequisite: SW-101. Each semester.

Upper Division


386 Social Work Methods Casework (3 credits). An examination of skills employed to serve individuals, groups, and communities: Interviewing, case work, group work, case recording. Prerequisite: SW-321. Each semester.


480, 481 Field Work (5 credits). Sixteen hours per week. The student works as a practicing social worker under the supervision of a professionally trained and experienced social worker. The student functions as an integrated staff member except in those areas where educational benefits conflict with agency needs. All juniors must apply for admission into the field work program prior to the beginning of their second semester. Before the final decision is made as to where the student will spend his time in field placement, he is interviewed by a team of faculty members who will attempt to pinpoint important gaps or needs. Prerequisites: SW-385 and in instructor's permission. Each semester.

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

• DEPARTMENT OF SOCIETAL AND URBAN STUDIES

Chairman and Professor: Schaffer. Associate Professors: Baker, Christensen. Harvey. Pavesic; Assistant Professors: Corbin, Cox, Hopfenbeck, Marsh, Taylor.

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

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

CRIMINAL JUSTICE ADMINISTRATION

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

A. Criminal Justice majors are required to take .......................... 64

Defensive Tactics* ................................... 1
Mathematics ........................................... 4
Fundamentals of Speech-Communication ........................................... 3
Economics ........................................... 3

B. Major Requirements

Lower Division

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

Upper Division

Administration of Justice ........................................... 3
Police Organization and Management ........................................... 3
Criminal Law ........................................... 3
Contemporary Law Enforcement Problems ........................................... 3

Comparative Law Enforcement Administration, or Introduction to Criminalistics ........................................... 3

Abnormal Psychology ........................................... 3
Juvenile Delinquency ........................................... 3
Criminology ........................................... 3

C. Electives to bring total credits to ......................................... 64

* The following courses are strongly recommended: Judo, Self Defense

** Required of students who do not meet competency standards.

ASSOCIATE OF SCIENCE

CREDITS

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

Defensive Tactics* ........................................... 1
Mathematics ........................................... 4
Lab Science ........................................... 4
English Composition ........................................... 3 or 6
Literature ........................................... 3
History ........................................... 3
Fundamentals of Speech-Communication ........................................... 3
Economics ........................................... 3
American National Government ........................................... 3
State and Local Government ........................................... 3
Principles of Accounting ........................................... 3
Applied Business Communications* ........................................... 3

B. Major Requirements

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

C. Electives to bring total credits to ......................................... 64

* The following courses are strongly recommended: Judo, Self Defense

** Required of students who do not meet competency standards.

REQUIREMENTS FOR SOCIAL SCIENCE MAJOR

Bachelor of Arts Program

I. Liberal Arts Option

1. General College and Basic Core requirements:

2. Social Science requirements:

CREDITS

A. Lower Division Courses ........................................... 21

Anthropology ........................................... 3
Economics ........................................... 3
History ........................................... 3
Political Science ........................................... 3
Sociology ........................................... 3
Social Science Electives ........................................... 9

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SCHOOL OF ARTS & SCIENCES
Societal & Urban Studies

B. Upper Division Courses (Select from the following combinations twelve credits in one field and six credits in two other fields):

- Anthropology .................................................. 24
- Economics ...................................................... 20
- History ......................................................... 20
- Political Science ............................................... 20
- Sociology ...................................................... 20
- Psychology ..................................................... 20

REQUIREMENTS FOR SOCIOLOGY MAJOR

1. General University and core requirements to meet either Bachelor of Arts or Bachelor of Science Program* as given on pages 17-18.
2. At least 78 credit hours in fields other than sociology, including at least 15 hours in a single field or in a related group of subjects as defined by the individual student in consultation with his advisor.
3. At least 29 credit hours in Sociology including:

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<tr>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>Introduction to Sociology</td>
<td>3</td>
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<td>Elementary Social Statistics</td>
<td>3</td>
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<td>Social Research</td>
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<td>History of Sociology</td>
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<td>Current Sociological Perspectives</td>
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<td>Sociology Seminar</td>
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<td>Group I Courses</td>
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<td>Population</td>
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<td>Sociology of the Family</td>
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<td>Sociology of Religion</td>
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<td>Racial and Cultural Minorities</td>
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<td>Sociology of Aging</td>
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<td>Group 2 Courses</td>
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<td>American Society</td>
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<td>Social Institutions</td>
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<td>Social Stratification</td>
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<td>Industrial Sociology</td>
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<td>Rural Community</td>
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<td>Urban Community</td>
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<td>Group 3 Courses</td>
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<td>Social Change</td>
<td>3</td>
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<td>Social Psychology</td>
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<td>Organizational Theory &amp; Bureaucratic Structure</td>
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<td>Group 4 Courses</td>
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<td>Deviant Behavior &amp; Social Control</td>
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<td>Juvenile Delinquency</td>
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<td>Criminology</td>
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<td>Social Problems</td>
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Sociology — Social Science Secondary Education Option

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

Credit Hours

1. General College and Basic Core requirements ........................................... 18-39
2. 2 approved teaching minors, 15 hours each ........................................... 30
   (minors to be selected from the following fields)
   - Political Science, Anthropology, History, Geography, or Economics

3. Sociology courses ................................................................................. 30
   (required courses are the same as for the Sociology major above, including at least 15 upper division hours)
4. Education courses to meet Idaho State Department of Education Certification requirements for teachers in Secondary Education ........................................... 20
5. State requirements for teacher certification, including U.S. History 6 hours
   - American National Government 3 hours ................................................. 9
6. Electives to complete a total of 128 credit hours, including 40 upper division credit hours .................. 0-21

15 hour Anthropology emphasis in Social Science - Secondary Education options

Required courses
- AN202 Cultural Anthropology .............................................................. 9
- AN201 Physical Anthropology .............................................................. 3
- AN311 Peoples and Cultures of the World ........................................... 3

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

Multi-Ethnic Studies — Social Science

The Multi-Ethnic Studies Program, which is open to all students, is an inter-disciplinary area of emphasis which will help students provide themselves with an understanding of traditions, 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; or A. R. Corbin, Department of Societal and Urban Studies, to develop program of study.

COURSES

AN ANTHROPOLOGY

Lower Division

- 201 Physical Anthropology (3 credits). An introduction to the fossil evidence for human evolution, population genetics, human variation, and the study of living primates with emphasis on behavior. Each semester.
- 202 Cultural Anthropology (3 credits). The meaning of culture; its significance for human beings, similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs. Each semester.
- 203 Introduction to Archaeology (3 credits). An introduction to the historic background and basic techniques of archaeological excavation. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, their activities and their histories. Either semester.

Upper Division

- 303 Old World Prehistory (3 credits). An in depth study of the evolution of man and the development of culture. The course traces man's development from the first known evidence of cultural behavior (a two and a half million years ago), the development of man during the "Ice Age," the spread of man throughout the Old World, the domestication of plants and animals, and the rise of civilization. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.
- 307 Indians of North America (3 credits). A general survey with emphasis on the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.
- 311 Peoples and Cultures of the World (3 credits). The cultural patterns of representative aboriginal peoples. Technology, subsistence, social organization, and super naturalism considered with a view toward environmental adjustment, historical development and functional interrelations. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.
- 315 Indian Peoples of Idaho (3 credits). A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. Prerequisites: AN 202, upper division status, or consent of instructor. Either semester.
- 412 Archaeology of North America (3 credits). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional sociocultural complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the Intermountain West. Prerequisite: AN 203, upper division status, or consent of instructor. Either semester.
theory and Method in Archaeology (3 credits). 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 203. upper division status, or consent of instructor. Spring semester.

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

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

212 Jail Administration (3 credits). Historical development of local detention facilities present and future trends of operation and administration. Operation of programs for the sentenced misdemeanors, first offenders, female and juvenile offenders. Special emphasis on inmate social interaction and supervision of prisoners. Prerequisite: CR 201. Fall semester.

216 Patrol Administration (3 credits). The Patrol function as the fundamental police operation multi-level decision and policy making processes, determination of functional areas of patrol responsibility. Prerequisite: CR 201. Fall semester.

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

231 Criminal Investigation (3 credits). Designed to acquaint the student with investigation as it involves the application of theory to practical situations. The investigation of evidence, investigative report organization and content or investigative reports, and evidentiary proof of the elements of crime. Prerequisite: CR 201. Spring semester.

276 Law and Criminal Evidence (3 credits). Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Examination procedures and related legal problems are presented. Prerequisite: CR 201. Fall semester.

Upper Division


* 340 Principles of Interviewing (3 credits). Familiarization with the elements of the interviewing process for law enforcement personnel. Included are both the counseling and interactive aspects with a view of promoting effective and productive relationships within any interviewing situation. Prerequisite: CR-201, P-101. Fall semester.

351 Police Organization and Management (3 credits). The principles of organization and management as applied to law enforcement administration, current and future problems in criminal justice administration. Prerequisite: CR 201. Fall semester.


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

411 Contemporary Law Enforcement Problems (3 credits). Exploration of current and anticipated administrative procedural areas of difficulty as they result from changing public opinion, employee needs and demands, court precedent and decision, and progressive developments and experimentation within the law enforcement. Prerequisite: CR 201, upper division CJA standing. Spring semester.

420 Private and Industrial Security (3 credits). Philosophy and techniques of operation in the areas of security organization and management, investigations, physical plant and personal security, and legal and jurisdictional limitations. Prerequisite: CR 201, upper division CJA standing. Fall semester.

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

* Non-majors by permission of instructor.

Graduate*


511 Special Problems of the Juvenile and Youthful Offender (3 credits). Examination of current practices in juvenile justice, rehabilitation programs, prevention and rehabilitation relative to inmate social interaction and supervision of prisoners. Emphasis will be placed on preventive/rehabilitative measures at the local level. Either semester. (Not offered 1977-78).

580 Selected Topics—Criminal Justice Administration (3 credits). (To be offered according to staff availability.)

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

598 Seminar in Criminal Justice Administration (2 credits). Intensive analysis of selected subject areas of the system of criminal justice administration. Prerequisite: CR 201. Either semester. (Not offered 1977-78).

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

SO SOCIOLOGY

Lower Division

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


230 Introduction to Multi-Ethnic Studies (3 credits). This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems; viz., racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of that power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality. Either semester.

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

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

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

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

311 Social Research (3 credits). An introduction to the empirical basis of modern sociological methods of research, design and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO 101. Elementary Social Statistics SO-310 and upper division status. Spring semester.

221 American Society (3 credits). An analysis of American society in terms of the group, structure, and change of major social institutions, economy, government, religion, education and family. Prerequisite: Introduction to Sociology SO-101 and upper division status. Either semester.

325 Sociology of Aging (3 credits). Analysis of aging as a social process emphasizing the changing role as a result of the process, the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged; study of the socialization process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO-101 and upper division status. Either semester.

331 Deviant Behavior and Social Control (3 credits). Analysis of the forms and causes of social deviancy, how societies control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO-101 and upper division status. Either semester.

351 Social Institutions (3 credits). Study of the basic institutions. An analysis of values, forms, and behavior organized around the important goals of society. Prerequisite: SO-101, and upper division status.

361 Industrial Sociology (3 credits). Study of the social organization of work in industrial society with attention to internal human relations and to the external relations in the community and society. Prerequisite: SO-101 and upper division status. Either semester.

401 History of Sociology (3 credits). Presociological perspectives on society from ancient times to the 20th Century. Relationships of social thought and social structure. Theories of selected sociologists. Prerequisite: SO-101 and upper division status. Fall semester.

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

403 Social Change (3 credits). This course will study the factors which give rise to and influence the acceptance or rejection of innovations, and their effects on social institutions. Prerequisites: SO-101 and upper division status. Either semester.


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SCHOOL OF ARTS & SCIENCES

Theatre Arts

417 Criminology (3 credits). Sociology as applied to the study of "crime" as defined by the laws of society; the possible causes of criminal behavior and the way society attempts to control criminal behavior. Prerequisite: SO 101 and upper division status. Either semester.

421 Social Stratification (3 credits). Examination of the theoretical and methodological approaches to the study of the wealth, prestige and power distribution of local and national stratification systems, implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: SO 101 and upper division status. Spring semester. Offered alternate years. Not offered in 1975-76.

424 Rural Sociology and the Emerging Nations (3 credits). The sociological study of rural life, the agrarian society and the phenomena of the emerging nations. Prerequisites: SO 101 and upper division status. Either semester.

425 The Urban Community (3 credits). An examination of the changing growth, demographic, stratification and institutional structure of urban communities, the causes of urbanization and its consequences for individual and group interaction. Prerequisites: SO 101 and upper division status. Either semester.

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

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

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

Graduate*

501 The Sociology of Education (3 credits). A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary society. Prerequisites: Graduate Status and SO 101. Summer.

510 Conflict and Change in Socio-Cultural Systems (3 credits). The theory and evidence of socio-cultural change, as viewed from anthropological and sociological perspectives, demonstrating the evolutionary and revolutionary trends, with focus on the interaction between technological, institutional and value systems as they affect human development and the provision of social services. Either semester.

511 The Sociology of Age Group Stratification (3 credits). Examination of the sociological effect of age as a major dimension of social organization and stratification in American society and Western civilization. The course will consider the effects of changing patterns of longevity, resultant changes in age distribution of the population as these factors affect social, economic, and political systems. Either semester.

512 Social Demography (3 credits). Techniques and methods for analyzing population growth, trends, and movement as reflected in actuarial data, birth-death rate, mobility, fertility and fecundity as these affect the societal patterns, especially the planning for human service programs. Either semester. Not offered 1975-76.

580 Selected Topics—Human Services Administration (3 credits). (To be offered according to staff availability.)

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

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

THEATRE ARTS MAJOR

Bachelor of Arts Program

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

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


DEPARTMENT OF THEATRE ARTS

Chairman and Associate Professor: Dr. Robert E. Erickson; Professor: Shankweiler; Associate Professor: Lauterbach; Assistant Professors: Bedard, Corbett, Heise.

REQUIREMENTS FOR THEATRE ARTS MAJOR

THEATRE EMPHASIS:

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Laboratory Science</td>
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<tr>
<td>General Psychology*</td>
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<tr>
<td>Introduction to Theatre*</td>
<td>3</td>
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<tr>
<td>Technical Theatre*</td>
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<td>Art or Music</td>
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<tr>
<td>Introduction to use of Books &amp; Libraries</td>
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SOPHOMORE YEAR:

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<tr>
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<tr>
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<td>Dramatic Literature*</td>
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<tr>
<td>Western Civilization*</td>
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<td>3</td>
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<tr>
<td>Acting*</td>
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<tr>
<td>Social Science Elective</td>
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<tr>
<td>Laboratory Science</td>
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<td>Oral Interpretation</td>
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<td>Electives</td>
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JUNIOR YEAR:

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<td>Stage Voice*</td>
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<td>World Drama</td>
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<tr>
<td>Electives (Upper Division)</td>
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</table>

D. The department recommends that Theatre Arts majors take one year of foreign language, and LS 101.

MAJOR SUBJECT REQUIREMENTS

THEATRE:

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Intro to Theatre</td>
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<td>Technical Theatre</td>
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<tr>
<td>Acting (lower division)</td>
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<tr>
<td>Stage Voice</td>
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<td>World Drama</td>
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<tr>
<td>Directing</td>
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<tr>
<td>Theatre History</td>
<td>3</td>
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<tr>
<td>Contemporary Drama</td>
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(Upert Division — 21)

SECONDARY EDUCATION:

Departmental requirements for the Secondary Education Option are the same as regular theatre major plus.

TA402 Directing
E345 or E346 Shakespeare is substituted for Contemporary Drama TA445

The student must also satisfy the requirements for teacher certification.
### Master's Degree in Secondary Education

#### Admissions and Program

A. Entrance Requirement

The candidate must have an undergraduate major in Theatre from an accredited institution or successfully pass a diagnostic examination written and administered by a member of the Theatre Arts Department.

### Course Offerings

A. Required Courses

1. TA-511 Theatre Research and Bibliography - 3 credits
2. TA-524 Twentieth Century Theatre - 3 credits

### Secondary Education Emphasis:

#### Freshman Year

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<td>Laboratory Science</td>
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<td>Introduction to Theatre*</td>
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<td>Technical Theatre*</td>
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#### Sophomore Year

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<td>Laboratory Science</td>
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<tr>
<td>Oral Interpretation</td>
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<td>Acting*</td>
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#### Junior Year

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<td>Shakespeare*</td>
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<td>Speech for Teachers</td>
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<td>Educational Psychology</td>
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<td>Philosophy</td>
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<td>World Drama*</td>
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#### Senior Year

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<td>Directing*</td>
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#### Stuttgart Division

### Courses

#### Lower Division

- **107 Introduction to Theatre** (3 credits). A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and techniques. Each semester.

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

- **162 Stage Make-up** (3 credits). Investigation of and production analysis of stage make-up: the relationship of actor to play and audience: an integration of make-up and other technical aspects that influence this particular art. Practical application is emphasized. Fall semester.

- **215-216 Acting** (3 credits). Entails study of and practice in the basic principles and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form. Selected motion pictures projected and discussed in class. Each semester.

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

- **322. 432 Repertory Theatre** (3 credits). The study and practice of theatre repertory with emphasis on rehearsal and production. Some arranged hours outside of the regularly scheduled class time. Maximum credits TA 232 and/or TA 432, 6 credits. Each semester.

#### Upper Division

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

- **331 Major Production Participation** (1 credit). Significant participation in a major college production in some phase of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours. Each semester.

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

- **334 Advanced Oral Interpretation** (3 credits). Analysis and oral presentation of advanced literary works in prose, poetry and drama. Course includes dramatic interpretation, program recitals, reader's theatre and continued practice in vocal development. Prerequisite: CM 241 or consent of instructor after audition. Offered Spring semester.
341 World Drama 500 BC-1570 (3 credits). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view i.e. they are approached as scripts intended for production as well as examples of literary form. Alternate Fall semesters.

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

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

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

352 Costume Design (3 credits). Major skills of beginning costume design. Included will be art techniques for theatre, research in major periods of costume design, examination of major costume designers' works, and practical experience in designing for all manner of productions. Prerequisite: TA 117-118. Alternate Spring semester.

362 Stage Lighting Design (3 credits). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. Prerequisite: TA 117-118. Alternate Spring semesters.

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

421g-422g Theatre History (3 credits). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 B.C. through approximately 1500 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall, Spring semesters.

446 Contemporary Drama (3 credits). A study of world drama since 1960 with an emphasis on current research materials and techniques. Alternate spring semesters.

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

481 Puppetry (3 credits). An introduction to the art and craft of puppetry. Emphasis in the class will be on the actual construction of puppets and the creation of puppet plays.

487g-488g Children's Theatre (3 credits). Preparation for successful work in the production of plays for primary school audiences. Theory and techniques of children's theatre production, selection of a selected script. Fall, Spring semesters in alternate years.

491 Senior Projects (3 credits). A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formally written, fully documented thesis describing his production and the concept involved. Spring semester.

Graduate

511 Theatre Research and Bibliography (3 credits). Instruction and practice in techniques of research with special reference to problems peculiar to theatre as an academic discipline. Special attention to evaluation, organization, and presentation of materials. Instruction in bibliographic information, analysis and use. Prerequisite: Graduate Status.

520 Graduate Theatre Practicum (1-3 credits). Supervised activity in performing, designing, and/or directing. May be repeated up to three credits. Prerequisite: Graduate Status.

524 Twentieth Century Theatre (3 credits). A study of the major producing theatres of the Western world; their organization, principles, architecture and styles. Prerequisite: Graduate Status; a class in Introduction to Theatre or equivalent. General knowledge of theatre practice in the United States.

531 Educational Theatre: Curriculum and Production (3 credits). A study of problems, procedures and theories concerning theatre course work and theatre production work in public schools. Prerequisite: Graduate Status.

541 Seminar in Dramatic Literature (3 credits). A varying study in dramatic literature including such subjects as dramatic form and genre, individual playwrights, and historic periods. May be repeated for credit as subject matter changes. Prerequisite: Graduate Status. A class in Introduction to Theatre or equivalent. Upper Division undergraduate course in dramatic literature.

591 Project (3 credits).

593 Thesis (3 credits). Repeatable once, total not to exceed 6 credits.
PART V

School of Business

Dean:
Associate Dean and MBA Program Coordinator: J.G. Doss, Ph.D.

Departments and Faculty

Department of Accounting and Data Processing:
Chairman and Professor: Dr. Harold M. Nix; Associate Professors: Behling, Carson, Medlin, Merz; Puckett; Assistant Professors: Bradley, Kaiser, MacMillan, Miller; Special Lecturers: Boyll, Dye, Harvey.

Department of Business Education and Office Administration:
Chairman and Professor: Dr. Marvin A. Clark; Professor: Cornwell; Associate Professors: Bounds, Brander, Johnson, Manship, Williamson; Special Lecturer: Carlton.

Department of Economics:
Chairman and Associate Professor: Dr. Richard Payne; Professors: Billings, Hart, Lamborn; Associate Professors: Asmus, Draayer, Holley, Mitchell; Assistant Professors: Lichtenstein, Nickerson, Sula.

Department of Management and Finance:
Chairman and Professor: Mr. Jesse M. Smith; Professors: Phillips, Stitzel; Associate Professors: Allen, Finpatrick, Grant, Knausinger, Roderick, Tipton, Waldorf, Witterding, White; Assistant Professors: Bohner, Doss, Gardner, Groeber, Lyon, McKinnon, Munson, Nix, Shannon; Instructor: Heist.

Department of Marketing and Mid-Management:
Chairman and Professor: Dr. Duston R. Scudder; Professors: Godfrey, Knowlton, Young; Associate Professors: Adkins, Lane, McWilliams.

School of Business Emeriti:
Albertson, Bushby, Edleiston, Roe, Wilson.

PHILOSOPHY OF THE SCHOOL OF BUSINESS

The School of Business at Boise State University is a unique and evolving product of a rapidly growing and changing State of Idaho. Its overall purpose is to encourage the individual student's intellectual growth. In pursuit of this purpose, we believe that:

—our primary responsibility is one of teaching;

—the baccalaureate degree in business must include broad exposure to both liberal arts and business concepts;

—each student should be exposed to the operation of the free enterprise system and its alternatives;

—students must be provided the opportunity to develop concepts and skills which will enable them to pursue selected professional fields of interest;

—the total environment of undergraduate education should prepare students for lifelong learning;

—the School of Business should offer a wide selection of business courses for non-business students to meet their individual needs;

—alternative preparation for positions requiring less than 4 year courses of study in business should be available to students.

It is our belief that this philosophy can be accomplished by quality classroom teaching, research, seminars, informal dis-
SCHOOL OF BUSINESS
Special Requirements and Options

A few courses and community service. The people we serve should benefit both personally and professionally through contact with the School of Business, whether it is for a lecture, a semester, or a degree.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration degree is available by completing all requirements for that degree as listed on the following pages under the appropriate major. Additionally, School of Business students may qualify, at their option, for the BA or BS degree by completing the additional liberal arts or science courses required for those degrees. (See pages 18-19 for BA or BS requirements). Faculty advisors should be consulted about these additional requirements.

Advanced Placement. Students with a background in material covered by a specific course because of training in high school, business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives, CLEP or challenge examinations are available for this purpose. See page 10 for available CLEP tests.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Word Processing and Secretarial Programs are offered in addition to the baccalaureate programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the A.S. degree. Credits earned in such courses may be later applied toward the Bachelor’s degree but students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor’s degree.

Transfer of Credits. In general, the School of Business shall limit transfer of credits for business courses which apply toward degree requirements to such courses as it offers at that level. In most cases, waiver of upper division level course requirements may be granted by departments which establish and administer transfer credits for business courses which apply toward Bachelor’s degree but students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor’s degree.

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 19 for BBA requirements, and pages 18 and 19 for B.A. or B.S. requirements.

School of Business BBA and BS degree candidates are reminded to complete the following lower division courses prior to enrolling in upper division courses in the School of Business:

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

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.

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<table>
<thead>
<tr>
<th>ACCOUNTING MAJOR</th>
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<tr>
<td><strong>Bachelor of Business Administration Program</strong></td>
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<td><em>Business Law</em></td>
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<td><em>Prin of Management</em></td>
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</table>

| Required UD courses | 17 | 17 |

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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, GB 302, FL 303, EC 303, OA 238, MG 301, MG 401; plus either EC 301 or EC 305.

**Accounting Courses**: AC 205, AC 207, AC 304, AC 306, AC 351, AC 352, AC 401, (or AC 320), AC 405, AC 470.

Core Courses: The following courses (or permission of the instructor) are prerequisites for all upper division accounting courses:

AC 205, AC 207, E 101, E 102, EC 201, EC 202, GB 207, DP 210; plus M 106 or M 112.

Note: Students planning to sit for the uniform CPA examination are strongly advised to include AC 402, AC 440, AC 482, and DP 420 in their program.

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## BUSINESS EDUCATION MAJOR

(Basic Business Option)

Bachelor of Business Administration Program

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* Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typewriting at the intermediate level or above are required.

## BUSINESS EDUCATION MAJOR

(Basic Business Option with Distributive Education Emphasis)

Bachelor of Business Administration Program

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## BUSINESS EDUCATION MAJOR

(School of Business)

Bachelor of Business Administration Program

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### BUSINESS EDUCATION MAJOR

**Bachelor of Business Administration Program**

**FRESHMAN YEAR:**

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**Total Credits:** 15

**SOPHOMORE YEAR:**

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**Total Credits:** 16

**JUNIOR YEAR:**

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<td>Office Management</td>
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**Total Credits:** 16

**SENIOR YEAR:**

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**Total Credits:** 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 two credits of typewriting at the Intermediate level or above are required.*

**ECONOMICS MAJOR**

**Bachelor of Arts Program**

**FRESHMAN YEAR:**

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<tbody>
<tr>
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<td>History</td>
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<td>Area I Electives (Field Two)</td>
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**Total Credits:** 16

**SOPHOMORE YEAR:**

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<tr>
<td>Introduction to Finance Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Managerial Accct</td>
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<tr>
<td>Introduction to Data Processing</td>
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<tr>
<td>Electives</td>
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**Total Credits:** 17

**JUNIOR YEAR:**

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<tbody>
<tr>
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<td>—</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Business Statistics</td>
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**Total Credits:** 15

**SENIOR YEAR:**

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<tr>
<td>Electives**</td>
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</table>

**Total Credits:** 16

*See page 18 for clarification of fields in B.A. degree.

**ECONOMICS MAJOR**

**Bachelor of Business Administration Degree**

**FRESHMAN YEAR:**

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<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
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<td>Mathematics</td>
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<td>Area I Electives</td>
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<td>Area II Electives (Other than Economics)</td>
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</tbody>
</table>

**Total Credits:** 16

*Electives should be chosen mainly from upper division courses.

**Must include hours in at least two of the three definitive areas as listed on page 19 of the catalog.
**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Science</td>
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<tr>
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<td>6</td>
<td>5</td>
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<tr>
<td>Introduction to Fin. Acct</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Managerial Acct</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications</td>
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</table>

15-16

**JUNIOR YEAR:**

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<tr>
<td>Intermediate Macroeconomics</td>
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<td>3</td>
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<tr>
<td>Business Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advanced Business Statistics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>3</td>
<td></td>
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<tr>
<td>Non-Business Elective*</td>
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<tr>
<td>Economics Electives</td>
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15-16

**SENIOR YEAR:**

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<td>Economics Electives</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Basic Marketing Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Business Policies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
<td>4</td>
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</tbody>
</table>

17-18

**Economics - Social Science Secondary Education Option**

Each academic department in the social sciences (History, Political Science, Societal & Urban Studies and Economics) provides a major emphasis with the Social Science Secondary Education Option. To meet graduation requirements students choosing this option must have a minimum of 30 credits in the subject matter of one of the above departments. The student must also choose two minor areas from the remaining social sciences and complete 15 credits in each. For teaching endorsements as a secondary school teacher, an additional 5 credits must be earned in one or more of the minor areas (see page 102 of BSU Bulletin 1977-78).

**Graduation requirements for degree in Economics - Social Science Secondary Education Option**

1. General University and Basic Core requirements as listed on page 17 of the BSU Bulletin 1977-78.
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 - Econ 201 and 202 - 6 hrs.
   Other Economics Courses - 24 hrs.
4. Accounting - AC 205-206 required
5. Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education - Total of 20 hours. These include:
   TE - 201 Foundations of Education - 3 credits (Taken in the Sophomore Year)
   P - 312 Adolescent Psychology or
   P - 325 Educational Psychology - 3 credits
   TE - 381 Secondary School Methods - 3 credits
   TE - 481 Secondary Student Teaching - 6 credits
The additional 5 credits may be selected from classes found on p. 102 of the Bulletin.

Student teaching, TE-481, for Economics and other Social Science majors will be conducted during the second 8 weeks of the first semester of the student's senior year. During the first 8 weeks of that semester the student may take several of the above required Education courses in a Concentrated Course Block (CCB). See p. 103 of the BSU Bulletin. Students should plan to take several of their education courses at this time to ensure the most efficient use of their time.

Students in the Secondary Education Option program majoring in economics should plan their courses in such a way as to receive Idaho Endorsements in as many teaching fields as possible. See BSU Bulletin p. 102.

6. Sufficient electives to complete a total of 128 Credit Hours of which 40 must be upper division.

**FINANCE MAJOR**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition (E101, E102, Area I)</td>
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<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech Communication (Area II)</td>
<td>3</td>
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</tr>
<tr>
<td>General Psychology (Area II)</td>
<td></td>
<td>3</td>
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<tr>
<td>Mathematics (M105, M106)</td>
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<td>4</td>
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<tr>
<td>Area I Electives</td>
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<tr>
<td>General Electives (Area I, II, III)</td>
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16 16

**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Principles of Economics (201 &amp; 202)</td>
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<td>3</td>
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<tr>
<td>Introduction to Financial Accounting</td>
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<td>3</td>
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<tr>
<td>Introduction to Managerial Accounting</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics</td>
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</tr>
<tr>
<td>Statistical Tech. for Decision Making I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Tech. for Decision Making II</td>
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<td>Business Law</td>
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<tr>
<td>Science Elective (Area III)</td>
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<td>Elective (Area I, II, III)</td>
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16 18

**JUNIOR YEAR:**

<table>
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<tr>
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<tbody>
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<tr>
<td>Principles of Management</td>
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</tr>
<tr>
<td>Principles of Finance</td>
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<td></td>
</tr>
<tr>
<td>Intermediate Microeconomics</td>
<td></td>
<td>3</td>
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<tr>
<td>Money and Banking</td>
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<td>Financial Management I</td>
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<td>*Major Elective</td>
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<td>General Elective</td>
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16 16

**SENIOR YEAR:**

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<tr>
<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>Senior Seminar in Finance</td>
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<tr>
<td>Investment Management</td>
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<td>Financial Management II</td>
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<tr>
<td>Bus. Ethics, and Social Resp.</td>
<td>3</td>
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<td>Business Policies</td>
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<td>*Major Elective</td>
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<td>General Electives</td>
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* Finance Electives 15 15

Intermediate and/or Managerial and Cost Accounting
International Economics Senior Seminar in Finance
Real Estate Finance
## GENERAL BUSINESS MAJOR

The General Business major has the choice of two directions in the pursuit of a Bachelor of Business Administration degree. The student may elect to major in General Business with an option in Public Relations or may elect the General Business major with no area of emphasis. This latter option allows the student to gain additional knowledge in all areas of business without concentrating in any one area.

### General Business Major

#### No Option

<table>
<thead>
<tr>
<th>Semester</th>
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<td>Fund. of Speech Communication (Area II)</td>
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<tr>
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<td>Gen. Psychology (Area II)</td>
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<td>Math (Area III)</td>
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| Total Credits | 16 |

#### Sophomore Year

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<td>Introduction to Financial Accounting</td>
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<td>Applied Bus Communications</td>
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<td>Statistical Tech. for Decision Making I</td>
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<td>Intro. to Data Processing</td>
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| Total Credits | 16 |

<table>
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<tr>
<th>Semester</th>
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<th>Credits</th>
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<tbody>
<tr>
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<tr>
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<td></td>
<td>Applied Bus Comm.</td>
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</tr>
<tr>
<td></td>
<td>Statistical Tech. for Decision Making I</td>
<td>3</td>
</tr>
<tr>
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<td>Intro. to Data Processing</td>
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| Total Credits | 15 |

### INDUSTRIAL BUSINESS MAJOR

#### Bachelor of Business Administration Program

<table>
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<td>Digital Computer Programming</td>
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| Total Credits | 16 |

<table>
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<th>Course</th>
<th>Credits</th>
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<tbody>
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<td></td>
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<td>Introduction to Managerial Accounting</td>
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<td></td>
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| Total Credits | 16 |

#### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>1ST SEM.</td>
<td>Principles of Economics</td>
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</tr>
<tr>
<td></td>
<td>Basic Marketing Management</td>
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<tr>
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<td>Introduction to Mechanics</td>
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</tr>
<tr>
<td></td>
<td>Fundamentals of Speech Communication</td>
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</table>

| Total Credits | 16 |
### Operations Management Area
- Operations Management: 3
- Area I Elective: 3
- Principles of Management: 3
- Business Law: 3
- Intermediate Microeconomics: 3

### 3rd Year
- Cost Accounting: 3
- Intermediate Microeconomics: 3
- Intermediate Macroeconomics: 3
- Electives: 3
- Business Policies: 3
- Business Ethics and Social Resp: 3

### 4th Year
- Human Resource Management: 3
- Principles of Finance: 3
- Management: 3

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

### Management Major
#### Behavioral Option

### Freshman Year
- English Composition: 3
- Fundamentals of Speech Communication: 3
- General Psych. (Area II): 4
- Math: 5
- Physics I: 3
- Fund. of Speech-Communication (Area II): 3

### Sophomore Year
- Physics II & III: 3
- Calculus & Anal. Geometry: 5
- General Psychology: 3
- Intro to Financial Accounting: 3
- Intro to Managerial Accounting: 3
- Intro. to Data Processing: 3
- Statistical Tech. for Decision Making I: 3

### Junior Year
- Basic Marketing Mgmt: 3
- Principles of Finance: 3
- Principles of Management: 3
- Intermediate Microeconomics: 3
- Bus. Ethics, & Soc. Resp: 3
- Personnel Administration: 3
- Operations Management: 3

### Senior Year
- Compensation Mgt: 3
- Consumer Behavior: 3
- Industrial Sociology: 3
- Social Psychology: 3
- Human Resource Management: 3
- Govt. & Business: 3
- General Electives: 3

### Industrial Business Major
#### Sales Option

### Freshman Year
- English Composition: 3
- Algebra, Trig., Calculus: 5
- College Chemistry: 4
- Engineering Fundamentals: 2
- Fund. of Speech-Communication (Area II): 3
- Physics I: 3

### Sophomore Year
- Physics II & III: 3
- Calculus & Anal. Geometry: 5
- General Psychology: 4
- Intro to Financial Accounting: 3
- Intro to Managerial Accounting: 3
- Intro. to Data Processing: 3
- Statistical Tech. for Decision Making I: 3
- Applied Bus. Comm: 3

### Junior Year
- Principles of Economics: 3
- Basic Marketing Management: 3
- Introduction to Mechanics: 3
- Business Law: 3
- Salesmanship: 3
- Consumer Behavior: 3
- Principles of Management: 3
- Area I Elective: 3
- General Elective: 3

### Senior Year
- Human Resource Management: 3
- Principles of Finance: 3
- Sales Administration: 3

### Sales Option Electives
- Intermediate Marketing Management
- Advanced Marketing Management
- Promotion Management
- Applied Market Research
- Intro to Electrical Engineering
- Thermodynamics and Heat Transfer
## QUANTITATIVE OPTION

### FRESHMAN YEAR:

<table>
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<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
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<td>Applied Business Communications</td>
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<td>3</td>
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<tr>
<td>Area I electives</td>
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<td></td>
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<tr>
<td>Science elective</td>
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<tr>
<td>General Elective (Area I, II, III)</td>
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<td>3</td>
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<td>Total</td>
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### SOPHOMORE YEAR:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Economics (201 &amp; 202)</td>
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<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
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<tr>
<td>Introduction to Managerial Accounting</td>
<td></td>
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<tr>
<td>Statistical Tech. for Decision Making I</td>
<td>3</td>
<td></td>
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<tr>
<td>Statistical Tech. for Decision Making II</td>
<td></td>
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<tr>
<td>General Psychology</td>
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<td>General Elective (Area I, II, III)</td>
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### JUNIOR YEAR:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Basic Marketing Management</td>
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<tr>
<td>Principles of Finance</td>
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<tr>
<td>Principles of Management</td>
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<tr>
<td>Intermediate Microeconomics</td>
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<td>Intermediate Macroeconomics</td>
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<td>General Electives (Area I, II, III)</td>
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### SENIOR YEAR:

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<th>Course</th>
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<td>Organizational Dynamics</td>
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<td>Human Resource Management</td>
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<td>Quantitative Analysis for Bus. Dec.</td>
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<td>Business Policies</td>
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<td>Government and Business</td>
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## AVIATION OPTION

### FRESHMAN YEAR:

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<tbody>
<tr>
<td>English Composition</td>
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<td>Fundamentals of Speech (Area II)</td>
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<td>General Psychology (Area II)</td>
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<td>Mathematics</td>
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<td>Area I Elective</td>
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<td>Science elective</td>
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<td>General Electives (Area I, II, III)</td>
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### SOPHOMORE YEAR:

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<tbody>
<tr>
<td>Economics (201 &amp; 202)</td>
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<td>Financial and Managerial Accounting</td>
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<td>Applied Business Communications</td>
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### JUNIOR YEAR:

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<td>Price Theory</td>
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<td>Regional Economics</td>
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<td>Basic Marketing Management</td>
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<td>Principles of Management</td>
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<td>Principles of Finance</td>
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<td>Real Estate Finance</td>
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<td>Appraisal of Real Estate</td>
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### MARKETING MAJOR
Bachelor of Business Administration Program

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<td>English Composition</td>
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<td>Principles of Economics</td>
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<td>Introduction to Financial Accounting</td>
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<td>Introduction to Managerial Accounting</td>
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<td>Introduction to Sociology**</td>
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<td>Fundamentals of Speech Communication***</td>
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<td>Introduction to Data Processing</td>
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<td>Business Statistics</td>
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<tbody>
<tr>
<td>Basic Marketing Management*</td>
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<td>Business Law</td>
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<td>Principles of Salesmanship</td>
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<tr>
<td>Intermediate Marketing Management*</td>
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<td>Advanced Marketing Management*</td>
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<td>Human Resource Management</td>
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<td>Business Policies</td>
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### OFFICE ADMINISTRATION MAJOR
Bachelor of Business Administration Program

<table>
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<th>FRESHMAN YEAR:</th>
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<tbody>
<tr>
<td>Business Law</td>
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<tr>
<td>Introduction to Financial Accounting</td>
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<tr>
<td>Inter. &amp; Adv. Shorthand</td>
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<tr>
<td>Word Proc-Math Trans</td>
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<td>Area III Elective</td>
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<td>Electives (from 2 of 3 areas)</td>
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<th>SOPHOMORE YEAR:</th>
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<tbody>
<tr>
<td>Bus. Math/Machines</td>
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<tr>
<td>Prin. Economics (Area II)</td>
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<td>Secretarial Transcription</td>
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<tr>
<td>Basic Marketing Mgmt.</td>
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<tr>
<td>Intro. Data Processing</td>
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<td>Statistical Tech. for Decision Making I</td>
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<td>Prin. Finance</td>
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<td>Technical Writing</td>
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<tr>
<td>Electives (from 2 of 3 Areas)</td>
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<tr>
<td>**</td>
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</table>
### SCHOOL OF BUSINESS
**Two Year Programs**

#### SENIOR YEAR:
- **Records Preparation and Management** 3
- **Administrative Office Procedures** 3
- **Office Management** 3
- **Human Resource Management** 3
- **Business Policies** 3
- **U.D. Electives** 4
- **Electives (from 2 of 3 areas)** 3
- **Intermediate Microeconomics** 3
- **U.D. Econ Elective** 3
- **Prin of Management** 3

A maximum of 12 credits in shorthand and 4 in typewriting will be applied to requirements for this major.

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.*

#### FASHION MERCHANDISING — MID-MANAGEMENT

**FRESHMAN YEAR:**
- **English Composition** 3
- **Introduction to Business** 3
- **Salesmanship** 3
- **Clothing** 3
- **Business Math/Machines** 3
- **Clothing Selection** 2
- **Elements of Management** 3
- **Introduction to Financial Accounting** 3
- **Mid-Management Work Experience** 2
- **Elective** 2

**SOPHOMORE YEAR:**
- **Consumer Marketing** 3
- **Principles of Retailing** 3
- **Principles of Economics** 3
- **Visual Merchandising** 3
- **Report Writing** 3
- **Supervision of Personnel** 3
- **Retail Buying** 3
- **Credit and Collections** 2
- **Mid-Management Work Experience** 2
- **Electives** 2

*For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.*

#### OFFICE SYSTEMS
**Associate of Science Degree**

**WORD PROCESSING PROGRAM**

**FRESHMAN YEAR:**
- **English Composition** 3
- **Introduction to Business** 3
- **Beginning Shorthand** 4
- **Beginning Typing** 2
- **Applied Business Communications** 3
- **OA Elective** 1
- **Fund. Speech-Communication** 3
- **Intermediate Shorthand** 2
- **Business Math/Machines** 3

**SOPHOMORE YEAR:**
- **Introduction to Financial Accounting** 3
- **Economics** 3
- **Area II Elective** 3
- **Advanced Typing** 2
- **Records Prep. & Mgmt.** 3
- **Editing for Word Processing** 1
- **OA Electives** 5
- **Admin. Office Procedures** 3
- **Word Processing, Mach. Trans** 2
- **Word Processing, Mag. Keyboarding** 1
- **Electives** 7

*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.*

#### SECRETARIAL PROGRAM

**FRESHMAN YEAR:**
- **English Composition** 3
- **Introduction to Business** 3
- **Beginning Shorthand** 4
- **Beginning Typing** 2
- **Applied Business Communications** 3
- **Fund. Speech-Communication** 3
- **Intermediate Shorthand** 2
- **Intermediate Typing** 2
- **Business Math/Machines** 3
- **Elective** 2

**SOPHOMORE YEAR:**
- **Introduction to Business** 3
- **Salesmanship** 3
- **Area II Elective** 3
- **Beginning Shorthand** 4
- **Beginning Typing** 2
- **Applied Business Communications** 3
- **Fund. Speech-Communication** 3
- **Intermediate Shorthand** 4
- **Intermediate Typing** 2
- **Business Math/Machines** 3
- **Elective** 2

*Students who meet all listed courses under 2-year programs will be awarded the Associate of Science degree. Diplomas will not be awarded to partial completion of requirements.*

**MARKETING — MID-MANAGEMENT**

**FRESHMAN YEAR:**
- **English Composition** 3
- **Introduction to Business** 3
- **Business Math/Machines** 3
- **Salesmanship** 3
- **Introduction to Financial Accounting** 3
- **Management Analysis** 3
- **Mid-Management Work Experience** 2
- **Elements of Management** 3
- **Professional Speech-Communication** 2
- **Elective** 2

**SOPHOMORE YEAR:**
- **Consumer Marketing** 3
- **Principles of Retailing** 3
- **Principles of Economics** 3
- **Visual Merchandising** 3
- **Report Writing** 3
- **Supervision of Personnel** 3
- **Retail Buying** 3
- **Credit and Collections** 2
- **Mid-Management Work Experience** 2
- **Electives** 2

*For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.*
SOPHOMORE YEAR:

1ST SEM.

Intro to Financial Acct. .................................................. 3  
Economics ........................................................................... 3  
Advanced Shorthand .......................................................... 2  
Advanced Typing .................................................................... 2  
Records Prep. & Management .............................................. 3  
Area II Elective ..................................................................... 3  
Secretarial Transcription ...................................................... 4  
Administrative Office Procedures ........................................ 3  
Word Processing. Machine Trans ......................................... 2  
Elective ................................................................................. 3  

2ND SEM.

AC ACCOUNTING

•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.

COURSES

AC ACCOUNTING

Lower Division

206 Introduction to Financial Accounting (3 credits). (Previously AC 203). This course is designed to introduce the student to the field of contemporary financial accounting as practiced in the United States. The student will study the use of and need for financial statements in the business community. An understanding of financial statements will be accomplished by studies of accounting terminology, and the theoretical framework of financial statements, and an overview of the basic double entry accounting cycle. The emphasis in the course will be on obtaining a working understanding of financial statements. Detailed accounting procedures will be included to the extent that the interface between accounting procedures and statement user information aids this understanding process. Each semester.

208 Introduction to Managerial Accounting (3 credits). (Previously AC 204). This course is designed to introduce the non-accounting major to the tools used in cost and managerial accounting. The student will study an overview of manufacturing-accounting with emphasis on job order and process costing of manufactured inventories and standard costing with related variances analysis. The student will receive an introduction to contemporary managerial accounting tools such as capital budgeting, cost-volume-profit analysis, control of inventory, and the impact of income taxes on decision making. This course is not recommended for degree credit by accounting majors. Prerequisite: AC 205. Each semester.

207 Intermediate Accounting I (3 credits). (Previously AC 303). A rapid review of basic accounting principles and procedures, followed by problems relating to the valuation and presentation of property, liability and corporate proprietorship items, and the measurement of net income. Analytical accounting procedures, and the preparation of advanced working sheets and comprehensive corporate financial statements; development of special reports, ratios and other analyses. Prerequisite: AC 205 or its equivalent. Each semester.

Upper Division

304-306 Intermediate Accounting II and III (3 credits each). A rapid review of basic accounting principles; applied cost concepts; job order and process costing; cost and financial control; capital budgeting; long-term decision making; and preparation of advanced financial statements. Development of comprehensive financial statements; preparation of special reports and other analyses. Prerequisite: lower division core. Each semester.

320 Tax Factors in Business Decisions (3 credits). A general introduction for students and businessmen who, while not tax specialists, need an awareness of the impact of federal income taxes on business decisions. This course will explore the areas of federal income, estate and gift tax laws as they affect business operating and financing decisions. Degree credit will not be allowed for both AC 320 and AC 401. Prerequisite: AC 205. lower division core or permission of instructor. Each semester.

381 Cost Accounting (3 credits). (Previously AC 301). Theory of cost accounting cost control, including job order, process, direct and standard costing, budgeting and break-even analyses. Emphasis on cost determination as a tool of management and production control. Prerequisite: lower division core or permission of instructor. Each semester.

352 Managerial Accounting (3 credits). A study of the development and uses of internal accounting information in management decisions, cost accounting, control, and decision making. Topics include operations and capital budgeting, behavioral implications, computer applications, and analytical methods such as gross profit, break-even, and incremental cost analyses. Prerequisite: AC 351, lower division core or permission of instructor. Each semester.

360 Governmental Accounting (3 credits). A study of the accounting principles applicable to institutions: nonprofit agencies, governmental units, and political subdivisions. The class will examine the theory, procedures, legal and reporting requirements, governmental budgeting, and cost-benefit analyses are considered. Prerequisite: lower division core or permission of instructor. Each semester.

401 Principles of Income Taxation (3 credits). (Previously Individual Income Tax). The theory and application of Federal income taxes to individuals, including an introduction to F.I.C.A. and Unemployment taxes and an introduction to State income taxes. Degree credit will not be allowed for both AC 302 Tax Factors in Business Decisions and AC 401. Prerequisite: lower division core or permission of instructor. Fall semester.

402 Advanced Income Taxation (3 credits). (Previously Corporate Taxation). The theory and application of the Federal income tax to corporations organized for profit, and trust and estate taxation. Prerequisites: AC 306 and either AC 320 or AC 401. lower division core or permission of instructor. Spring semester.

408 Auditing (3 credits). A study of the scope and purpose of the work of the Certified Public Accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the Securities Exchange Commission; audit work; and the accumulation of evidence upon which the auditor bases his report. Prerequisites: AC 306, lower division core or consent of instructor. Each semester.

420 Systems Analysis and Design (3 credits). Concepts and techniques of the design of information systems. Topics include Systems Theory: Data Collection, Classification, Data Processing, and Display; On-line Systems and Time Sharing. Spring semester.

440G Accounting Theory (3 credits). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. The course is recommended for those students planning on the CPA examination. May be taken for graduate credit. Prerequisite is AC 306 or by permission of instructor. Spring semester.

450 Data Processing for the Accountant (3 credits). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer will be used as the problem solving tool in the three above mentioned areas. Prerequisites: AC 405, lower division core or permission of instructor. Each semester.

470 Advanced Accounting (3 credits). An in-depth study of partnership organization, liquidation and dissolution; business combinations and consolidations; financial statements; segmental reporting, multinational companies and the variations in international accounting standards including currency exchange rate translations; fiduciary accounting principles; and an introduction to non-profit reporting. Prerequisites: AC 306 or permission of instructor. Each semester.

482 C.P.A. Problems (6 credits). An indepth consideration of the more complex accounting principles and procedures taught on the undergraduate level. This course is designed to assist the student in preparing for the Certified Public Accountant examination. Prerequisites: AC 405, AC 470 and AC 440, or consent of instructor. Spring semester.

AV AVIATION MANAGEMENT

Lower Division

021 and 022 Private Pilot Flight Laboratory (no credit). Exceeds the minimum flight-hours necessary to satisfy the FAA for completion of the private pilot certificate. Students must have logged a minimum of 40 hours including 15 hours of dual instruction and 15 hours of oral instruction, and satisfactorily completed the flight examination administered by a FAA flight examiner. Prerequisite: AV 101 and successful completion of FAA written examination for Private Pilot Certificate. Each semester.

101 Aviation Ground School (3 credits). Survey of basic aerodynamics, meteorology, navigation, and Federal Aviation Agency regulations. At termination, the student will take the FAA Private Pilot examination. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. Each semester.

201 Commercial Pilot Ground School (3 credits). The study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. Prerequisite: Private Pilot Certificate. Fall semester.

Upper Division

331 Airport Management (3 credits). Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 205. Fall semester.

351 Airline and Air Cargo Management (3 credits). The functions of management in airline operations. Air carrier familiarization, efficiency in time distributions, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management. Spring semester.

* Flight lab fees in addition to other tuition and fees will be charged.

BE BUSINESS EDUCATION

Upper Division

401 Methods in Business Education (3 credits). Methods and materials of instruction in business subjects. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching. Fall semester.

409 Methods and Materials in Distributive Education (2 credits). Specific methods and techniques used in teaching leadership, marketing, retailing and other distributive education courses. Fall semester.

421 Business Curriculum and Methods Seminar (3 credits). A semester-type class dealing with current issues and methods in the fields of business curriculum, research, and vocational guidance. Attention will be given to vocational guidance in counseling students, curriculum development, and communicating influence and impact. Individual research and presentation is emphasized. Spring semester.

SCHOOL OF BUSINESS

Courses, AC, AV, BE
SCHOOL OF BUSINESS

Courses, DP, EC

4410 Principles and Organization of Vocational Education Programs - Job Analysis (3 credits). 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. Role of business and government in vocational education. Spring semester.

4430 Administration and Coordination of Cooperative Programs (3 credits). Selection, guidance, placement, and follow-up of students in training stations. Prerequisites: GE 401 and permission of director. Spring semester.

471 Business Student Teaching (6 credits). Supervised teaching under the direction of qualified business teacher-education specialists. Prerequisite: GE 401 and permission of director. Spring semester.

Graduate

511 Graduate Study in Business Education (3 credits). A study of professional business education including history, philosophy, psychology, and issues and trends. Each of these areas is considered in relation to business education in the public schools. Prerequisite: Graduate Status and consent of the instructor. Summer.

512 Business Research and Communication Techniques (3 credits). Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytic ability for effective expression in reports, articles and other forms of oral communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group activities. Prerequisite: Graduate Status and consent of the instructor. Summer.

520 Curriculum and Instruction in Shorthand, Transcription, and Office Procedures (3 credits). A study of various techniques available for the improvement of instruction in shorthand, transcription, and office procedures. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor. Summer.

530 Curriculum and Instruction in Typewriting, Bookkeeping Accounting, and Data Processing (3 credits). A study of various techniques available for the improvement of instruction in Bookkeeping, Accounting, Data Processing, and Typewriting. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor. Summer.

540 Curriculum and Instruction in Basic Business and Economics (3 credits). A study of various techniques available for the improvement of instruction in Basic Business and Economics. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor. Summer.

571 Organization and Supervision of Business Education (3 credits). Administrative and supervisory problems in business education especially from the point of view of the teacher. A study of problems of the business teacher beyond those involved in classroom teaching. Areas of study include student services, equipment and supplies, in-service programs, research, program evaluation and development, public and staff relations, and leadership roles. Prerequisite: Graduate Status and consent of the instructor. Fall.

591 Project (3-6 credits). The scholarly pursuit of original work through research. Prerequisites: Admission to candidacy.

596 Directed Research (Variable credits). Opportunity for the student to pursue a topic of interest on an individual basis. Prerequisite: Graduate Status and consent of the instructor.

599 Workshop in Business Education (1-3 credits). Intensive study of a selected topic in business education. May be repeated for a maximum of 3 credits.

DP DATA PROCESSING

Lower Division

210 Introduction to Data Processing (3 credits). A general interest course to acquaint students with the fundamentals of automated data processing. The course will introduce the principles of computer data processing, systems analysis, problem solution through the use of logic, and computer programming skills: the role of data in the business community, and the impact the computer is having on management and society. Students will have the opportunity to prepare and run computer programs using the University IBM 370 computer system. Each semester.

Upper Division

320 Data Processing Techniques (3 credits). An introduction to computer programming in a high-level language, and a review of programming systems that are commonly used in business. Emphasis on systems analysis, systems development and implementation to solve common business problems will be emphasized. Systems analysis and design activities will be incorporated into class activities. Prerequisite: DP 210 or equivalent. Each semester.

345 Simulation Techniques (3 credits). Basic concepts in simulation; simulation in business including inventory systems and scheduling systems; simulation of decision-making, inventory problems, and other business systems. Program flowcharting, development and implementation to solve common business problems will be emphasized. Systems analysis and design activities will be incorporated into class activities. Prerequisites: DP 320 and M 108. Fall semester.

360 Programming Systems — COBOL (3 credits). A specific course based on the COBOL programming language that will give the student a capability to write highly sophisticated programs to solve business data processing problems. Prerequisite: DP 210 or equivalent. Spring semester.

405 Data Processing Applications (3 credits). An in-depth study of current business computer applications and the function of data processing in the business enterprise. Incorporated into the broad-based study will be consideration of data base, MIS, fraud, computer acquisition, international computer networks and the role and responsibilities of the data processing professional in the business organization. Fall semester.

420 Systems Analysis and Design (3 credits). Concepts and techniques of the analysis and design of information systems. Topics include systems theory, tools and techniques of system analysis and design. Models of varying levels of development of business enterprise and computerized information systems. Course identical to AC 420. Credit may not be earned for both courses. Prerequisites: DP 210 and AC 205. Spring semester.

EC ECONOMICS

Lower Division

201 Principles of Economics-Macro (3 credits). Introduction to the use of economic principles to analyze the aggregate or macroeconomic performance of developed, market economies. Application of economic analysis and policy to current domestic and international macroeconomic issues. Special attention to the goals and problems of high employment, price level stability, economic growth, the balance of international payments and the relevant monetary, fiscal and other policy instruments utilized to accomplish these policy goals. Each semester.

202 Principles of Economics-Micro (3 credits). An introduction to microeconomic analysis, covering the basic market structures, the operation of the price system, and the distribution of income. The course provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic development. Each semester.

210 Contemporary Economic Problems (3 credits). 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 that have taken EC 201 and 202.) Prerequisites: None. Either semester.

219 Environmental Economic Problems: Economics and The Quality of Life (3 credits). Choices must be made between the kind of economic growth society wants and the resulting quality of life. Environmental impacts of growth, including air and water pollution, urban congestion, and population pressures will be examined. Policy prescriptions and economic implications of environmental control will be discussed. Fall semester.

Upper Division

301 Money and Banking (3 credits). An 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, 202. Each semester.

303 Intermediate Microeconomics (3 credits). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Areas receive specific attention include consumer choice and demand, theories of production and cost, and the economic performance implied by various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. Prerequisite: EC 202. Each semester.

305 Intermediate Macroeconomics (3 credits). 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. Each semester.

310 Public Finance (3 credits). 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. Considerable attention will be paid to the effects of government activity upon such things as the allocation of resources and the distribution of income. Some attention will be paid to state and local problems. Prerequisite: EC 201, 202. Each semester.

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

318 Comparative Economic Systems (3 credits). 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 201-202, or by permission. Either semester.

317 International Economics (3 credits). The operation and development, and current problems of world trade and investment. Tariffs, quotas, and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payments disequilibrium for national policy. The mechanisms and analysis of international payments adjustment and the institutions of the international monetary system. Prerequisite: EC 201, 202. Either semester.

12 Urban Economics (3 credits). The course will focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial, and transportation problems. The tools of economic analysis will be used to examine the problems and existing and proposed policies. Prerequisites: ECO 201-202. Spring semester.

325 Radical Economics (3 credits). Analysis and evaluation of radical contributions to political-economic thought and their applications to the study of contemporary socio-economic problems. Emphasis is placed on Marxist socialist economics theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Current issues such as imperialism, economics and social inequality and alienation will be considered from the vantage point of these radical perspectives. Prerequisite: Upper division or consent of instructor. Fall semester.

327 Labor Economics (3 credits). This course examines a broad range of current issues relating to the theory, structure, and the operation of the U.S. labor force and the structure of the labor market. The development of the U.S. industrial relations system will be reviewed, including comparisons with those of Western Europe. Labor markets will be analyzed to emphasize the economic and non-economic factors affecting labor-management negotiations. The course will conclude with a discussion of public policy concerns with both public and private sector unions as well as legislation pertaining to the income security of workers. Prerequisite: ECO 201-202. Fall semester.

405 Business Fluctuations and Economic Stabilization (3 credits). Application and extension of macro-economic theory to the study of economic instability. Theoretical analysis of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy, including techniques of macroeconomic forecasting and models for econometric predictions. ECO 305.

417 U.S. Economic History (3 credits). This course deals with major factors in the economic growth and development of the United States from colonial times to the present. Emphasis is given to the interaction of economic factors and the unique aspects of American society. Prerequisite: ECO 201-202 or permission of the instructor. Spring semester. Offered in alternate years by the Economics and by the Historical Studies departments. Cross-numbered as HIST 417.

EC 421G-422G Econometrics (3 credits). The application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisites: Math 106 or equivalent and permission of the instructor. May be taken for graduate credit. 421G Fall - 422G Spring semester.

FI FINANCE

Lower Division

108 Personal Finance and Investments (3 credits). Aid in meeting the growing complexity of financial decision making as faced by the individual. How to plan financial arrangements, installment buying, borrowing money, owning or renting a home, how to pay bills without financial strain, money management, and savings and investments, including stocks and bonds. FUND 111.

211 Principles of Insurance (Previously RE 320) (3 credits). The course offers presentation of the principles of insurance and policy analysis together with a discussion of the fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability and medical. Either semester.

Upper Division

303 Principles of Finance (3 credits). A basic survey course of fundamental concepts and techniques of the three major areas of finance corporate, institutional, and public. Emphasis is given to relevant regulatory agencies and their areas covered are an overview of the Federal Reserve, study of U.S. financial system, the international financial system, financial decision-making problems focusing on internal allocation of funds, financing these asset needs, and security valuation. Prerequisites: AC 205, 206, ECO 201-202 and M 106. Each semester.

325 Financial Management I (3 credits). (Previously Corp. Financial Mgt.) The study and theoretical analysis of the internal allocation of resources within the business firm and governmental agencies including working capital management and policy, capital budgeting and investment analysis, risk analysis, financial planning and control, etc. Instructional methods will include the analysis of financial cases and financial modeling. Prerequisites: FI 303 and GB 208. Each semester.

326 Financial Management II (3 credits). This course covers critical analysis of different sources of funds, dividend policies, and capital markets. Special topics include management responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement textbook materials. Prerequisites: FI 303, FI 325. Spring semester.

417 Management of Financial Institutions (3 credits). Topics treated in this course include: the analysis of problems faced by managers of financial institutions; a study of developments and recent changes in the structure of the U.S. financial system as they impact on decision making in banking and other savings types institutions; the methods of governmental financing and their effects on the flows of funds in the economic system; key issues such as bank and thrift regulation, interstate activities, and social responsibilities. Prerequisite: FIS 303-EC 301. Fall semester.

450G Investment Management (3 credits). This course focuses on the setting for investment: stocks, bonds, bank loans, marketable securities, and markets; the tools of investment analysis, including the capital asset pricing model and capital market investment strategy. Prerequisites: FIS 303, GB 208. Either semester.

498-499 Senior Seminar in Finance (3 credits each). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds on background tools of acumen in the regularly scheduled finance courses. Topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor. These courses enable the student to achieve an indepth knowledge of issues which cannot be treated adequately in existing courses. Legislation creating sweeping changes in the financial community, computerized financial modeling, international financial management, option trading, applications of the capital asset pricing model are representative topics. Either semester.

GB GENERAL BUSINESS

Lower Division

101 Introduction to Business (3 credits). A survey course designed to acquaint the student with the many phases of the general business. Serves as an introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Either semester.

202 Business Law I (3 credits). Introduction to the legal system including court, litigation and lawyers. This course is designed to emphasize such specific substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of government regulation of business. Each semester.

207 Statistical Techniques for Decision Making I (Previously Business Statistics) (3 credits). This course is designed to provide the student with an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. The illustration of statistical techniques and their place in business decision making is emphasized. Prerequisite: M-106 or equivalent. Either semester.

208 Statistical Techniques for Decision Making II (Previously GB 207) (3 credits). This course extends the concepts and techniques taken in the fall semester. This course involves using these procedures in a business decision making environment. Topics include multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. Prerequisites: GB 207, DP 210. Either semester.

Upper Division

302 Business Law II (3 credits). This course is comprised of a comprehensive study of the Uniform Commercial Code with emphasis on sales, bulk transfers, documentary title, commercial paper, and secured transactions. The course also covers the formation of partnerships, business organizations, and corporations; their operation, dissolution, mergers, and consolidation. Prerequisite: GB 202. Each semester.

326 Principles of Transportation (3 credits). The focus of this course is upon the economic and management problems and functions of the transportation industry. The course will cover the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in various forms of transportation services. Spring semester.

380 Business Ethics, and Social Responsibility (3 credits) This course deals with the complex social environment within which organizations function and examines organizational actions by looking at their social and ethical impact. Either semester.

441G Government and Business (3 credits). This course is intended to give intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations will be researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. Prerequisite: GB 202. Spring semester.

450 Business Policies (3 credits). This course is designed to develop analytical problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. The student will be required to build upon and integrate the knowledge and methods acquired from a total educational and experience base and to examine problems in all functional areas of the organization. Prerequisite: Completion of the required business core. Either semester.

466 Quantitative Analysis for Business Decisions (3 credits). This course involves a study of quantitative tools traditionally referred to as operations research techniques. The emphasis is on the illustration of the functional use of the techniques and how they can assist the decision maker. Topics typically covered include linear programming and critical path analysis. Prerequisites: GB 208 (was GB 306) and MG 301. Either semester.

MG MANAGEMENT

Upper Division

301 Principles of Management (3 credits). The course deals with the history of management, schools of management thought, and the planning, organizing, directing and controlling functions of management. Emphasis in the course is also given to the functional management of human resources by a study of quantitative techniques in management. Prerequisite: M-106. Either semester.

305 Personal Administration (3 credits). This course provides an in-depth examination of the functions of personnel administration human resource planning, procurement, development, utilization, and compensation — with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered each term (e.g. OSHA, fair employment regulations, etc.). The course also provides a 10-week personal departmental exploration, both from the point of view of those operating a personnel department and from the point of view of management throughout an organization. Prerequisites MG 301 (Principles of Management), or consent of instructor.
308 Operations Management (Previously Production Management (3 credits). This course provides the student with the quantitative tools used in the operations and production fields. The nature of the interactions between the operations manager and the other management systems will be developed. Typical topics include: quality control, inventory control and system revision. Most types of business environments will be considered. Prerequisites: GB-208. MG-301. Either semester.

309 Operations Decisions and Controls (Previously Production Decisions and Controls) (3 credits). The purpose of this course is to provide the student with knowledge of the standard tools used in operations decisions and control and to heavily emphasize applications to real business decisions. Both manufacturing and non-manufacturing situations are studied. Prerequisite: MG-308. Either semester.

317 Small Business Management (3 credits). A study of the unique and distinct problems encountered by small business organizations. This course covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis will be placed on business organizations techniques as they apply to service retail and production oriented small businesses. Prerequisite: MG-301. Either semester.

330 Labor Law (3 credits). This course offers a survey of the existing body of labor law, along with the historical events and precedents that have shaped this law. The general principles of the law and the effective application of these principles are discussed. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanisms of conflict resolution are discussed.

340 Labor Relations (3 credits). This course will cover the history, structure, policies, and operations of labor unions; the functioning of industrial relations activities within organizations; and important concepts and terminology in labor-management relations. The student is introduced to collective bargaining and various forms of conflict resolution. Contract administration in emphasis, and focus on the day-to-day relationships between parties. International comparisons of industrial relations systems are made. Either semester.

401 Human Resource Management (Previously: Human Relations) (3 credits). A study of the unique and distinct aspects of managing human resources. Topics covered include perception, motivation, attitudes, power and leadership. Prerequisite: MG-301. Either semester.

408 Organizational Dynamics (3 credits). This course deals with the development of organizational theory including the following specific areas: organizational structure, bureaucratic organization influence processes, politics and power, conflict, organizational development and organizational effectiveness. Prerequisites: MG-301. Either semester.

409 Compensation Management (3 credits). This course involves the implementation of employee compensation, administration, and control of a comprehensive compensation program. Topics covered include job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Special emphasis is given to legislation affecting the compensation field and to the unique compensation problems of select groups in the labor force (e.g., public employees and employees of trans-national enterprises). Prerequisites: MG-309 (Personnel Administration) or consent of instructor.

MK MARKETING

301 Basic Marketing Management (3 credits). Study of the marketing process with emphasis on introducing students to the function of marketing concepts and techniques. Prerequisite: Either semester.

306 Promotion Management (3 credits). The principles, strategies and management of advertising and sales promotion activities. Coordination and integration of both activities with other elements of the marketing mix is emphasized. The economic and social criticism of advertising particularly are stressed to assure that managers are aware of the ethical and social responsibilities inherent in the job. Prerequisite: MG-301. Either semester.

307 Consumer Behavior (3 credits). Analysis of purchase and consumption behavior of the consumer. Relates marketing activities of the firm to social science research concerning the consumer, use, and meaning of goods and services. Prerequisite: MK 301. Either semester.

405 Intermediate Marketing Management (3 credits). Marketing principles and theories are integrated with analytical and behavioral decision processes. Emphasis is placed on problem and opportunity recognition, marketing strategies planning and administration, and the technical skills employed in their application to marketing problems. Prerequisite: MG-301. Either semester.

415 Marketing Research (3 credits). Consideration of the theory and use of research in providing information related to marketing decisions. The student will obtain experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. May be taken for graduate credit. Prerequisites: GB-207. MK 301. Either semester.

420 Advanced Marketing Research (3 credits). Designed to give the student actual experience in formal research. Representatives from the business community and governmental agencies will work closely with students in developing marketing problem situations. Prerequisite: MK 415G. Either semester.

421 Sales Administration (3 credits). Management of a sales organization with particular emphasis on recruiting selection, training, supervision and compensation of salaried. Emphasis is also placed upon coordinating and integrating activities of the sales and other functional managers and the marketing organization. Stress is also placed on ethics and social responsibilities relating to the sales manager's job. Prerequisite: MK 301. Either semester.

425 Advanced Marketing Management (3 credits). The case study approach as applied to marketing problems. Emphasis is placed on problem definition, recognition of alternative solutions, and defense of a "best" solution. Prerequisites: MK-301 and MK-405. Spring semester.

MM MARKETING, MID-MANAGEMENT

Lower Division

100 Mid-Management Work Experience (2 credits). Open to students enrolled in the Mid-Management program only. The student must earn 2 semester hours credit for a maximum of four semesters or a total of 8 semester hours credit. This program provides the opportunity to work in the retail, wholesale, or service business field as a paid employee. The student, the employer, and the program coordinator develop an individual program for each student. The student is evaluated by both the employer and the program coordinator.

101 Salesmanship (3 credits). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesale, and manufacturer establishments. Analysis of customer behavior and motivation; methods of creating customer attention, interest, and desire and action. Special emphasis is given to ethical sales techniques. Either semester.

102 Merchandising Analysis (3 credits). A study dealing with what the product is and what the product does for the customer. Provides methods and practices in obtaining information used by buyers, sales people, and advertising personnel. Major classes of textiles and non textiles are surveyed. Spring semester.

105 Elements of Management (3 credits). A study of the functions of business management: planning, organizing, staffing, directing and controlling. Special consideration is given to the concept of organizational authority and responsibility. Either semester.

201 Consumer Marketing (3 credits). (Previously Introduction to Marketing). The study of activities by which goods and services flow from the producer to the ultimate consumer. This study includes methods, policies and the utilization of the various customer service institutions according to the function performed. Fall semester.

202 Principles of Retailing (3 credits). Comparison of small-scale and large-scale retailers. Problems of store ownership, location, equipment, merchandising, planning and control. Expense and cost reduction and sales promotion are considered. Spring semester.

203 Visual Merchandising (3 credits). Objectives and policies of sales promotion; study of the media involved; Regulations of advertising. Coordination of other factors of sales promotion such as displays, selling and sales promotion factors. Preparation of copy, illustrations, layout and display. Guest lecturers from the local Retail Assn. will be used. Fall semester.

206 Supervision of Personnel (3 credits). Economics of supervision, social and philosophical implications, training functions of the supervisor, individual and organizational needs in regard to human relations are major points of study. Spring semester.

209 Report Writing (3 credits). Prepares the student to write reports for business situations. Emphasis is placed on the actual preparation of reports, research methods, and the readiness of the finished product. Fall semester.

213 Credit and Collections (2 credits). A survey of the credit field including history, types, credit information, and the function of the credit department. Ethical methods and procedures of collection are given significant treatment. Spring semester.

215 Retail Buying (3 credits). Considers the buyer's duties, techniques, and procedures of purchasing for display, pricing of goods, and the interpreting of consumer demand. Fall semester.

RE REAL ESTATE

Lower Division

201 Fundamentals of Real Estate (3 credits). Essentials of real estate practice, listings, sales, financing, land descriptions, real estate investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions are covered in the course. This course exceeds the current minimum 30 hour classroom education requirement of the State of Idaho to take the Real Estate Salesman Exam. Each semester.

220 Law of Real Estate (Previously GB 303, Law of Property) (3 credits). This course is designed to review the laws establishing and governing basic rights of ownership and use of real estate. The course will also discuss the concepts of the real estate transaction, the real estate brokerage business, and the various legal relationships involved. Prerequisites: GB-202 and RE-201. Either semester.

331 Appraisal of Real Estate (3 credits). This is an intensive course covering modern real estate appraising concepts and the technical skills employed in their application to residential property. Prerequisite: RE-201. Either semester.

340 Real Estate Investment and Taxation (3 credits). This course explores Real Estate from the investor's (owner's) point of view with special attention to the tax aspects including: Risk and Return Analysis, Property Leverage, Discounted Cash Flow, Tax Consequence of Sales, Exchanging, Multiple Exchanges, and Computerized Investment Analysis. Prerequisites: RE-201, RE-220 and FI-303. Either semester.


94
431 Appraisal of Income Properties (3 credits). This combination lecture and case study course is devoted entirely to the appraisal of income property. Following a review of the steps leading to the determination of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are thoroughly analyzed and discussed. Prerequisites: RE 201, RE 311, Spring semester.

460 Real Estate Brokerage Management (3 credits). This course is a capstone course intended to integrate the specialized functional knowledge gained in the Real Estate program including office administration, hiring and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibilities, creative financing, professional organizations, and agency relationships. Prerequisites: RE 220, RE 331, RE 340, RE 360. Either semester.

OA OFFICE ADMINISTRATION

Lower Division

101 Beginning Shorthand (4 credits). A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Credit will not be given to students who have completed one or more years of shorthand in high school. Recommended credit or current enrollment in OA-238. Prerequisite: demonstrated proficiency in typing or current enrollment in typing. Either semester.

105 Beginning Typing (2 credits). Theory and keyboard operations on the typewriter with application for personal or business use. Fall semester.

107 Intermediate Typing (2 credits). Review of typing fundamentals for development of speed and accuracy with applications of these skills for use. Prerequisite: OA-105 or advanced placement. Either semester.

111 Personal Adjustment to Business (1 credit). Designed to develop an insight into the behavior and customs of individuals in a business office through study of how people work, good decision making, oral communication and case analysis problems. Either semester.

116 Business Mathematics-Machines (3 credits). Fundamental operations of arithmetic applied to business. Emphasis on machine techniques. The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA-209. Both semesters.

206 Medical Office Orientation (1 credit). A study of medical receptionist duties, special records and filing systems, legal aspects of medical work, management of the medical office, and ethics and psychology in a medical office. Either semester.

207 Procedures of a Law Office (1 credit). Office procedures and methods as they relate to the work of a legal secretary. Legal terminology and meaning of the language of the law will be stressed. Either semester.

209 Advanced Typing (2 credits). Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA-107 or advanced placement from high school work. Either semester.

213 Word Processing, Machine Transcription (2 credits). A course stressing the operation and knowledge of transcribing machines. The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA-209. Both semesters.

216 Word Processing, Mag. Keyboarding (1 credit). Recording data electronically while producing typewritten copy. Power typing and revision applications will be used. Prerequisite: OA-209. Both semesters.

219 Editing for Word Processing (1 credit). Intended to assist the student in developing expertise in spelling, vocabulary, punctuation, proofreading, abstracting, and editing. Prerequisites: Grade of C or higher is recommended in OA-238, OA-107. Either semester.

221 Secretarial Transcription (4 credits). Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA-201. Spring semester.

238 Applied Business Communications (3 credits). (Previously OA 328 - Business Communications) A course designed to emphasize the building of a foundation for effective business writing principles. The effectiveness and the correctness of writing and the psychology of letter writing will be emphasized through the preparation of a variety of business letters. Both semesters.

243 Principles of Reprographies (2 credits). A course given in the operation of the various kinds of duplicating machines, including the spirit duplicator, the stencil and ink duplicator, the offset duplicator, and the dry process copier. Instruction will be given in the operation, drawing, lettering, and writing on the duplicating media of masters, stencils, and mats. An opportunity will be provided to observe and study typography, layout and design, paste up, dark room techniques, stripping, plate making, and bindery work. Both semesters.

Upper Division

266 Records Preparation and Management (3 credits). Creation, processing, maintenance, protection and destruction of business records. These topics will be covered both from the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed. Either semester.

310 Administrative Office Procedures (3 credits). Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them. Either semester.

317 Office Management (3 credits). An introduction to the area of information management. The functions of office management including areas such as production, environmental analysis, systems analysis and personal administration. Either semester.

338 Technical Writing for Business (3 credits). An in-depth study including the application of interpersonal communication and effective business writing principles through preparation of business and financial reports and technical papers. This case study approach will be used to present a variety of business situations requiring decision-making in business report writing. Prerequisite: OA-238. Either semester.

Graduate

501 Office Systems and Procedures (3 credits). A study of advanced systems and procedures currently in use in business offices. Includes emphasis on technical knowledge and ability to perform office activities in the following areas: automated office procedures, word processing, cost analysis and control, personnel procedures, systems analysis and flow charting, work flow, supervisory techniques and responsibilities, communications and information systems, records management, and the preparation of office manuals. Prerequisite: Graduate Status. Summer.

GRADUATE PROGRAMS IN BUSINESS

MBA IN BUSINESS

MA IN SECONDARY EDUCATION  (BUSINESS EDUCATION OPTION)

Masters of Business Administration

OBJECTIVES

The purpose of the Boise State University Program leading to the MBA Degree is to further prepare the candidate for a career in business management. The curriculum is keyed to the needs of an individual who has just assumed or is preparing to assume broad managerial responsibilities.

The MBA curriculum at Boise State incorporates the traditional MBA approach of development of managerial generalists, with a common body of functional knowledge given to all students. There is no area of emphasis or major available, but once a student satisfies the functional core of courses, free electives to achieve a minor degree of concentration are possible.

GENERAL PREREQUISITES FOR APPLICANTS

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet the standards set by the School of Business of Boise State University. Common to all programs is a foundation of prerequisite courses in basic fields of business administration. Students presenting a bachelor's degree in business normally have related most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his bachelor's degree in non-business fields such as the sciences, engineering, and the liberal arts. Therefore, the student must demonstrate proficiency in the prerequisite courses listed below. These prerequisites may be fulfilled by satisfactory completion of course work in these areas, or by successfully passing the acceptable CLEP examination, and any other local departmental requirements.

MATRICULATION REQUIREMENTS

FOR APPLICANTS

Specific Prerequisites for Applicants

All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrollment in MBA classes. (New applicants for the MBA program should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enrollment, students should arrange to take the GMAT by July. For spring enrollment, the GMAT should be taken no later than the October or November test date).

(a) Possession of a bachelor's degree from an accredited institution.
SCHOOL OF BUSINESS
MBA

(b) Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following two formulae:

200 X overall GPA plus GMAT score must equal 1000 minimum

200 X junior/senior GPA plus GMAT score must equal 1050 minimum

(c) For foreign students, in addition to the above formulae, a score of 525 on the TOEFL, or its equivalent, is necessary.

(d) Prerequisite courses or their equivalent:

1. Accounting (equivalent to one year)
2. Economics (equivalent to one year)
3. College level mathematics (equivalent to one year)
4. Management
5. Business Law
6. Marketing
7. Finance
8. Data Processing (programming techniques)

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in MBA 500 level courses. Enrollment in MBA courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these MBA courses.

The student may be required to remove other deficiencies as determined by the School of Business.

All applicants must be accepted by the Graduate School of Boise State University in order to achieve the MBA degree.

THE MBA DEGREE
THE GRADUATE DEGREE PROGRAM

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages or other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses ........ 21 or 24 credits
Electives .......................... 9 or 6 credits

Note: A student with a major in a functional business discipline such as management, marketing, finance, economics, or accounting should not take the core course in that discipline, and may substitute any MBA elective in its place.

A maximum of 9 graduate credits may be accepted from other graduate schools upon request and a determination of acceptability to the MBA program. Students desiring transfer credits must apply on the Program Development Form with appropriate supporting documents and transcripts to the MBA Admissions Committee, School of Business.

Students may elect a maximum of 6 credit hours from the 400 level "G" courses from the Undergraduate School of Business Program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding those courses.

Under certain conditions with the approval of the MBA Program Coordinator and the department chairman concerned, MBA students may earn up to maximum of 3 credits hours of Directed Research and/or Internship Credits which apply to graduation requirements.

MBA - REQUIRED CORE COURSES

GB-510 Business and Its Environment (3 credits). This course involves examination of the interaction between business and the economic, social, political and legal order, both domestic and worldwide. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business. Emphasis is placed on students testing their own values as they apply to the appropriate responsibilities of business to its various publics. The development of personal business ethics is emphasized.

GB-512 Statistical Methods for Business Decisions (3 credits). The purpose of this course is to provide the student with an understanding of those statistical methods used in the business decision process. The emphasis will be on the application of the techniques and the reason for their employment in decision processes. Computer applications programs will be employed to assist in the learning process. Topics generally covered include: Multiple Regression Analysis, Forecasting and Bayesian Decision Theory. Prerequisites: GB-207 and DP-320, or equivalent.

GB-514 Operations Research Methods for Decision Making (3 credits). This course provides an introduction to operations research decision making aids. The emphasis will be on applying quantitative tools and interpreting the results rather than on theoretical developments. Particular attention will be given to using the computer to analyze quantitative models. Typical areas covered are: Linear Programming, Network Models, and Inventory Control. Prerequisites: Graduate Standing, M-105 and M-106, M-561, or equivalent courses.

Student selects one of these two.

MK 519 - Marketing Management Concepts (3 credits). Concepts and theories of marketing management are related to the organization and environments that interact with the marketing function. The approach is interdisciplinary and analytical. The decision-making process places emphasis on identifying marketing opportunities and problems. Selection and development of alternatives, formulation of strategies, and implementation of marketing plans and programs are also emphasized. Marketing to consumer, industrial, institutional, and international sectors are discussed. Prerequisite: GB-512 or GB-514.

FI-530 Financial Management (3 credits). This course offers an analysis of financial problems and formulation of financial policies through case studies. Topics include financial planning and control, capital budgeting, risk analysis, cost of capital and the capital asset pricing model, corporate structure planning, dividend policy, bond refunding problems, short and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and financial problems of multinational firms. Prerequisite: GB-512 or GB-514.

AC-532 Accounting-Planning and Control (3 credits). A study of the planning and controlling processes within an enterprise to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost analysis for pricing and capital budgeting. Overall objective is an understanding of integrated techniques of cost planning and control.

MG-540 Organization Theory (3 credits). Examining briefly the history and current trends in organizations, the course focuses on the determinants and effects of organizational design. Methods of analyzing appropriate structure are discussed. Organizational behavior within the structure will be explored with special attention given to group dynamics, power, leadership and influence.

EC-550 Managerial Economics (3 credits). Application of economic concepts and methodology to the problem of formulating rational managerial decisions. Emphasis is given to optimizing techniques, risk analysis, estimation of demand and costs of production, market structures and pricing processes. Integrates economic theory and business administration practice. Prerequisite: GB-512 or GB-514.

GB-579 Business Policy Formulation (3 credits). This course utilizes complex business cases, business simulation and specialized functional knowledge to determine business decisions, strategies and policies including the use of quantitative methods for allocation and flow of all goods and services in organizations. This course is designed as a general capstone experience and MBA students are expected to be in the last semester of the program before enrolling in the course.

MBA - ELECTIVE COURSES

BE 512 Business Research and Communication Techniques (Previously MB 512) (3 credits). Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytical ability for effective expression in reports, articles and other forms of operational communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group interpersonal communication situations as conferences, meetings and discussions.

DP-542 Computer Applications for Management (3 credits). An indepth study of the impact of the computer on managers and on the environment in which managers work. Included will be consideration of data-base, MIS, the management decision process, and computer tools that can be used by managers in the decision process. Selected computer applications will be explored.

MG-541 Human Resource Management. This course examines how to effectively manage human resources and include discussion of the supervisory processes that are conducive to reducing labor costs and increasing productivity. Special attention will be given the human, organizational, and environmental constraints which limit managerial actions. Techniques for effectively functioning within these constraints will be discussed.

MK-520 Marketing Problems (3 credits). Analytical approach to marketing problem solving and decision making, covering market definition, personal selling, advertising and sales promotion, channels of distribution, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

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

AC-580 Selected Topics—Accounting
DP-581 Selected Topics—Informal Systems
EC-582 Selected Topics—Economics
FI-583 Selected Topics—Finance
MG-584 Selected Topics—Industrial Psychology
MG-585 Selected Topics—Management
MK-586 Selected Topics—Marketing
Admissions and Program

Undergraduate "G" Courses

(Two may be taken for graduate credit.)

AC-440G Accounting Theory (3 credits). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. The course is recommended for those students planning on the CPA examination. Prerequisite: AC-306 or by permission of instructor. Spring semester.

EC-421G 422G Econometrics (3 credits). The application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisite: M-106, or equivalent and permission of the instructor. 421G Fall, 422G Spring.

FI-450G Investment Management (3 credits). This course focuses on the setting of investments, stocks, bonds, commodities, and stock options; risk versus return relationships in investing and speculating; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model in planning investment strategies. Prerequisites: FI-303, GB-306 Spring, 421G Fall, 422G Spring.

GB-441G Government and Business (3 credits). This course is intended to give intensive study of student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules will be researched and analyzed as well as selected federal and state regulatory agencies. Prerequisite: GB-207. Spring semester.

MK-415G Marketing Research (3 credits). Consideration of the theory and use of research in providing information relative to marketing decisions. The student will gain experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. Prerequisites: GB-207, MK-301.

Master of Arts in Secondary Education

Business Education Emphasis

Admissions and Program

A. The master's degree program is designed to meet the needs of business teachers. Because of the large number of business courses offered at the secondary level and because of the unique "delivery systems" at that level, the program is designed with the flexibility and breadth considered necessary to meet a wide range of needs of those students enrolling.

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet the admission requirement for the degree.

Before Advancement to Candidacy can be granted, the student must:

1. ordinarily show eligibility for certification by the State of Idaho (or any other state), and
2. have completed the following prerequisite courses or their equivalent:
   a. Principles of Accounting ........ 6 credits
   b. Principles of Economics .......... 6 credits
   c. Business Law ................... 3 credits
   d. Data Processing .................. 3 credits
   e. Marketing ....................... 3 credits

B. Program Requirements:

   CREDITS

1. Secondary Education Core Courses (see page 102 Teacher Ed.) .......... 6

2. Business Courses ............... 12 credits chosen from:
   a. Business Education:
      (1) BE-511 Graduate Study in Business Education (required) .............. 3
      (2) BE-520 Curriculum and Instruction in Shorthand, Transcription, & Office Procedures .............. 3
   b. General Business:
   c. Economics:
   d. Finance:
   e. Mathematics:
   f. Statistics:
   g. Computer Applications:

   Free Electives .................. 9

4. Option of:
   a. Thesis - BE 593 .............. 3-6
   b. Project - BE 591 .............. 3-6
   c. Additional course work ......... 3-6

5. Any approved 400-level "G" courses limited to 6 credits.

Course Offerings

A. Required Courses

1. TE-560 Secondary Education Core Courses .............. 6
2. BE-511 Graduate Study in Business Education .............. 3
3. BE-593 Thesis or BE 591 Project .............. 3-6

   The Department recommends a thesis or project. However, the option of additional hours in Business Education is available upon approval of the Committee Chairman.

B. Elective Courses

Additional courses as selected by the student and his graduate committee to meet program requirements.

Additional Information

A. Culminating Activity and Examination.

Students electing a thesis as a culminating activity will take an oral examination covering the thesis.

Students electing additional course work will take a written and/or oral examination covering course work completed in their degree program.

B. While any Master of Business Administration course may be used in the requirement outline in 2.b. above, the following are considered to be courses most likely to be chosen:

GB-510 Business and its Environment
BE-512 Business Research and Communications
MK-520 Marketing Problems
AC-532 Accounting-Planning and Control
MG-541 Personal Policy
EC-550 Managerial Economics

For additional details contact Department Chairman, Department of Business Education and Office Administration - 1208 385-3451.

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

School of Education

Dean: Gerald R. Wallace, Ed.D.
Associate Dean: Clyde Martin, Ed.D.

Departments and Faculty

Center for Counseling, Guidance and Testing:
Director and Professor: Dr. David P. Torbet; Associate Professors: Callao, DeLaurier; Assistant Professor: Downs.

Department of Health, Physical Education and Recreation:
Chairman and Professor: Dr. Gene Cooper; Professor: Smith; Associate Professors: B. Bowman, S. Button, R. Lewis; Assistant Professors: P. Bowman, J. Boyles, D. Connor, P. Holman, E. Jacoby, B. Jones, C. Sweeney, C. Thorngren, R. Vaughan, S. Wallace, M. Young; Instructors: Fabian, Hansen, McArthur, Pyle.

Department of Athletics
Director: Lyce Smith; Assistant Director: R. Stephenson; Coaching Staff: Backer, Campo, Chier, Connor, Dahlquist, Dutton, Golden, Jacoby, Oliver, Vaughan, Young.

Department of Psychology:
Chairman and Professor: Dr. John L. Phillips, Jr.; Professors: Sickles, Smith; Associate Professors: Barsness, Dodson, Ison, Snow, Thurber, Wilkinson; Assistant Professor: Sierer.

Department of Teacher Education and Library Science:
Chairman and Professor: Dr. John Jensen; Coordinator of Field Services: Dr. Ramley Singh; Professors: Beene, Beets, Beier, Bullington, Chatburn, Frederick, Kittland, McDonald, Wallace, Young; Associate Professors: Bowman, Bunch, Comba, Dahlberg, Friedli, Hill, Lambert, Marks, Martin, Tucker; Assistant Professors: French, Green, Sader, Schmaljohn, Wace, Walker, Instructor: Munns.

Educational Media Services
Mr. Ben Hambelton, Director and Assistant Professor
W. Christensen, D. Graybeal

Curriculum Resource Center:
Marian Fletcher, Librarian

Reading Education Center:
Director: Dr. William Krantland
Marks, Frederick, Munns

Educational Television:
Mr. Jack Schlafel, Director and Assistant Professor; Hansen, McArthur, Pyle

The School of Education offers majors in Elementary Education; Physical Education for Men; Secondary Education; Physical Education for Women; Secondary Education Option, and Psychology, Liberal Arts Option. It offers course work of both professional and academic nature to students in these and in other major curricula throughout the University. The academic course work is designed to develop ability in and appreciation of scientific thinking about behavior. Professional training is directed primarily toward the mastery of skills that are needed by teachers in the elementary and secondary schools.
TEACHER EDUCATION

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education in the total preparation of elementary and secondary school teachers and librarians.

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

The Department of Teacher Education is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of Boise State University and the certification requirements of the Idaho State Board of Education. The Department of Teacher Education has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the humanities and in the social and natural sciences. Students also receive special preparation for the particular kind of education work they plan to do.

Admission to School of Education

A. Students preparing to teach must apply for admission to the School of Education. Normally, this is accomplished during the Sophomore year. This application will be secured and processed as part of the TE-201 Foundations of Education course (required for certification).

Transfer students who have completed an equivalent course in Foundations of Education shall contact the Coordinator of Field Services and apply for admission to the School of Education.

Admission to the School of 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 the School of Education and secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements include:

1. Filing of the “Admission to the School of Education,” or its equivalent.
2. A minimum of Grade “C” in TE-201 Foundations of Education, or its equivalent.
3. Satisfactory test scores on authorized departmental examinations of basic proficiencies. These tests are administered during the TE-201 course, but may be taken by transfer students and in special cases by contacting the Coordinator of Field Services. Students failing to make satisfactory scores on one or more of these examinations will be advised as to the specific weaknesses and remediation will be suggested. Students will be given an opportunity to retake any examination previously failed.
4. Any deviations from the preceding policy must be approved by the Chairperson of the Department of Teacher Education and Library Science.

A. An application for a specific student-teaching assignment must be filed with the Department of Teacher Education.

Field Services by the following deadlines:

1. Blocks I & II (Secondary) March 1 of the Junior Year
   Elementary (Fall/Spring)
2. Blocks III & IV (Secondary) October 1 of the Senior Year
   Elementary (Spring/Fall)

Application forms may be picked up from the Office of the Coordinator of Field Services.

NOTE: Six weeks notice will be required prior to the beginning date of the student teaching assignment, if a student wishes to change semesters (elementary) or specific blocks (secondary).

B. General requirements for admission to student teaching for elementary or secondary candidates include:

1. Elementary Major
   a. Admission to the School of Education
   b. Recommendation by the faculty advisor or department chairman.
   c. A cumulative grade point average of 2.25.
   d. Elementary Curriculum and Methods, TE-451 and TE-452 taken concurrently with student teaching.
   e. Student teachers assigned to a school for 1/2 day during two semesters.

NOTE: Deviations from the above policies must be approved by the chairman of the Department of Teacher Education and Library Science. In reference to “e,” all student teachers must be taking TE-451 (Language Arts emphasis) concurrently with student teaching or prior to student teaching.

f. Senior standing.

2. Secondary Option
   a. Admission to the School of Education
   b. Recommendation by the faculty advisor or department chairman.
   c. A minimum grade point average of 2.25 in the major field, minor field if applicable, and the education courses completed.
   d. A minimum cumulative grade point average of 2.1.
   e. Satisfactory completion (minimum grade of “C”) of class Secondary School Methods, and/or the appropriate class or classes in special methods for the teaching area. NOTE: A listing of Secondary Methods and special methods classes is given according to the Concentrated Course Blocks under Secondary Student Teaching. Students are encouraged to complete both Secondary and special methods prior to student teaching.
   f. Senior standing.
   g. Sufficient credit hours in the assigned teaching area.

NOTE: Secondary certification requires a composite of 45 semester credit hours in a major teaching field or 30 semester credit hours in the major teaching field and 20 semester credit hours in a minor teaching field. Hence, student teachers should be within approximately six hours of the above certification requirements.

C. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their university supervisors.

D. Students who transfer to Boise State University must meet admission requirements for School of Education and student teaching and complete at least 6-9 semester hours at the institution before being placed in student teaching.

ELEMEN TARY EDUCATION

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of stud-
### SCHOOL OF EDUCATION
#### Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 101</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>B 100</td>
<td>Concepts of Biology</td>
<td>3</td>
</tr>
<tr>
<td>HY 151</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>HY 251</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>GG 101</td>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>E 270</td>
<td>Survey of American Literature</td>
<td>4</td>
</tr>
<tr>
<td>MU 101</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>P 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>P 325</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LS 316</td>
<td>Children's Literature</td>
<td>3</td>
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<tr>
<td>P 330</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>E 410</td>
<td>Elementary School Media I</td>
<td>1</td>
</tr>
<tr>
<td>E 411</td>
<td>Elementary School Media II</td>
<td>1</td>
</tr>
<tr>
<td>G 471</td>
<td>Elementary Student Teaching</td>
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<tr>
<td>G 472</td>
<td>Elementary Student Teaching</td>
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</tr>
<tr>
<td>G 473</td>
<td>Student Teaching in Special Education</td>
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</tr>
<tr>
<td>G 498</td>
<td>Senior Seminar - Elementary Education</td>
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<tr>
<td>G 499</td>
<td>Senior Seminar - Elementary Education</td>
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<td>FRESHMAN YEAR:</td>
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<td>1ST SEM.</td>
<td>1ST SEM.</td>
<td>2ND SEM.</td>
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<tr>
<td>E 101 English Composition</td>
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<tr>
<td>B 100 Concepts of Biology</td>
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<tr>
<td>HY 151 United States History</td>
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<tr>
<td>HY 251 United States History</td>
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<tr>
<td>GG 101 Introduction to Geography</td>
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<tr>
<td>E 270 Survey of American Literature</td>
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<tr>
<td>TE 201 Foundations of Education</td>
<td>3</td>
<td></td>
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<tr>
<td>TE 205 Approaches to Reading</td>
<td>3</td>
<td></td>
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<tr>
<td>TE 271 Teacher Aide Practicum</td>
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<tr>
<td>Electives (Include Area III requirements)</td>
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<td>8</td>
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<td>JUNIOR YEAR:</td>
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<tr>
<td>AR 321 Elementary School Art Methods</td>
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<tr>
<td>MU 371 Music Methods for the Elem School Teacher</td>
<td>2</td>
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<tr>
<td>PE 361 Elementary School Physical Education</td>
<td>2</td>
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<tr>
<td>P 325 Educational Psychology</td>
<td>3</td>
<td></td>
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<tr>
<td>LS 316 Children's Literature</td>
<td>3</td>
<td></td>
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<tr>
<td>Class in Oral Communication</td>
<td>3</td>
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<tr>
<td>Electives (consider elementary specialty)</td>
<td>8</td>
<td>8</td>
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<tr>
<td>SENIOR YEAR:</td>
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<tr>
<td>TE 311 Child Psychology</td>
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<td>1</td>
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<tr>
<td>TE 392 Education Exceptional Child</td>
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<tr>
<td>TE 410 Elementary School Media I</td>
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<tr>
<td>TE 411 Elementary School Media II</td>
<td>1</td>
<td></td>
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<tr>
<td>TE 451 Elementary Curriculum and Methods</td>
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<tr>
<td>TE 452 Elementary Curriculum and Methods</td>
<td>5</td>
<td></td>
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<tr>
<td>TE 471 Elementary Student Teaching</td>
<td>5</td>
<td></td>
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<tr>
<td>TE 472 Elementary Student Teaching or TE 473 Student Teaching in Special Education</td>
<td>5</td>
<td></td>
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<tr>
<td>TE 498 Senior Seminar Elementary Education</td>
<td>2</td>
<td></td>
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<tr>
<td>TE 499 Senior Seminar Elementary Education</td>
<td>2</td>
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<tr>
<td>16</td>
<td>16</td>
<td>101</td>
</tr>
</tbody>
</table>
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 subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education and Library Science.

SECONDARY EDUCATION

The Department of Teacher Education serves as consultant in the establishment of "secondary education options" within each of several subject-matter areas. (See the Secondary Certification Options in the School of Business; the School of Arts and Sciences; and the Physical Education Department in the School of Education.) The Department of Teacher Education does not offer degrees "in secondary education."

Students preparing to teach in junior or senior high school should major in the subject-matter fields in which they plan to teach. Each student must complete the required professional education courses and the necessary subject major under the direction of an advisor in his major department.

Certification Requirements for Secondary Education

Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of a baccalaureate degree including education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the department subject area specialization and the Department of the Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

Idaho requires a total of twenty semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These requirements are translated into the following required Boise State University courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-201</td>
<td>Foundations of Education</td>
<td>3 credits</td>
</tr>
<tr>
<td>P-312</td>
<td>Adolescent Psychology</td>
<td>3 credits</td>
</tr>
<tr>
<td>P-325</td>
<td>Educational Psychology</td>
<td>3 credits</td>
</tr>
<tr>
<td>TE-381</td>
<td>Secondary School Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>TE-481</td>
<td>Secondary Student Teaching</td>
<td>6 credits</td>
</tr>
</tbody>
</table>

Total: 15 credits

In addition to these required courses, a student may choose from the following courses (if they are appropriate to his teaching field) to complete the required twenty semester credit hours.

(A student may wish to take more than the minimum twenty credit hours.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 312</td>
<td>Adolescent Psychology</td>
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<tr>
<td>P 325</td>
<td>Educational Psychology</td>
<td>3 credits</td>
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<tr>
<td>TE 356</td>
<td>Production of Audio-Visual Materials</td>
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</tr>
<tr>
<td>TE 371</td>
<td>Guidance for the Classroom Teacher</td>
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<tr>
<td>AR 351</td>
<td>Secondary School Art Methods</td>
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<tr>
<td>BE 401</td>
<td>Methods in Business Education</td>
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<tr>
<td>BE 421</td>
<td>Business Curriculum and Problems</td>
<td>3 credits</td>
</tr>
<tr>
<td>CM 311</td>
<td>Speech Communication for Teachers</td>
<td>3 credits</td>
</tr>
<tr>
<td>CM 401</td>
<td>Methods of Teaching Comm.</td>
<td>3 credits</td>
</tr>
<tr>
<td>GD 305</td>
<td>Teaching Science in the Secondary School</td>
<td>3 credits</td>
</tr>
<tr>
<td>E 301</td>
<td>Teaching English Comp.</td>
<td>3 credits</td>
</tr>
<tr>
<td>E 381</td>
<td>Methods of Teaching Secondary School</td>
<td>3 credits</td>
</tr>
<tr>
<td>FL 310</td>
<td>Methods of Teaching Foreign Lang.</td>
<td>3 credits</td>
</tr>
<tr>
<td>HY 211</td>
<td>Methods of Teaching History</td>
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<td>M 490</td>
<td>Mathematics in Secondary Schools</td>
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<tr>
<td>MU 257</td>
<td>String Instrumental Techniques and Methods</td>
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<td>MU 266</td>
<td>Woodwind Instrumental Techniques and Methods</td>
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<td>Percussion Techniques and Methods</td>
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<td>MU 369</td>
<td>Brass Instrumental Techniques and Methods</td>
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<td>MU 371</td>
<td>Public School Music</td>
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<td>MU 385</td>
<td>Choral Methods and Materials</td>
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</tr>
<tr>
<td>PE 304</td>
<td>Methods for Teaching Physical Education</td>
<td>2 credits</td>
</tr>
</tbody>
</table>

Each certified secondary school teacher must complete one of the following options:

(1) A major teaching field of at least 30 semester credit hours, and a minor teaching field of at least 20 semester credit hours.

(OR)

(2) A single teaching field of at least 45 semester credit hours.

Following is a list of some of the teaching areas for which Idaho endorses certificates, regardless if the area is a major or a minor teaching field. Included in the teaching fields listed below is the specifically required minimum course content for each field. (Reproduced from the Idaho SDE pamphlet published 1974).

English
Not less than six semester credit hours in composition and not less than six semester credit hours in American and English Literature. The remainder may be distributed in the related fields of speech, drama, and journalism.

Speech-Drama
Credits spread over both fields with not less than six semester credit hours in each. For separate endorsement in speech or drama, not less than fifteen semester credit hours in the field to be endorsed.

Journalsim
Not less than fifteen semester credit hours in journalism and the remainder, if any, to be chosen from English.

Social Studies
Not less than six semester credit hours in American History and not less than three semester credit hours in American Government. In addition, work in two of the following fields to be represented: world history, geography, sociology, economics, and anthropology.

American Government
Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours of comparative government.
American History
Not less than nine semester credit hours in American History and not less than three semester credit hours in American Government. The remaining work is to be in history and political science.

Biological Science
Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science
At least eight semester credit hours in chemistry and eight semester credit hours in physics.

General Science
Credits to include work in each of the following fields: physical, biological and earth science.

Mathematics
Credits to include work in algebra, geometry and trigonometry.

Physical Education
Credits distributed to include work in anatomy or physiology and health education.

Secretarial Science
Six semester credit hours in shorthand and at least one course in intermediate or advanced typewriting. The other credits are to be distributed in business courses which ensure knowledge of office machines, business and office practices and procedures.

Bookkeeping
Credits in business subjects, including at least one course in intermediate or advanced typewriting and not less than six semester credit hours of accounting with additional work in business law and business administration.

Business Education
Credits to include work in each of the following fields: typewriting, shorthand, accounting and office machines. Additional work may be selected from business law, business administration, retail merchandising, economics and office procedures.

Driver Education
An Idaho Driver Education teacher shall:
Have four semester credit hours which shall consist of not less than two semester credit hours in basic driver education for teachers and followed by not less than two semester hours in courses such as the following:
Advanced driver education, general safety education, traffic engineering, driving simulator education, and highway transportation.
Have three years of satisfactory driving experience immediately preceding the time of teaching, as evidenced by the State Department of Law Enforcement, Traffic Safety Division.
This change given above was effective for all teachers of driver education in the State of Idaho on September 1, 1968.

Music
Credits to include work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), History and Appreciation, Conducting, and music methods and materials.

Arts and Crafts
Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastic, the graphic arts and art metal.

Foreign Languages
Credits must be in the language in which an endorsement is sought.
the University in order to complete a specialty. Planning for the specialties should begin prior to the Junior year.

**Early Childhood Education**

Students may enroll in a program that will provide for a specialty in Early Childhood Education. The Elementary Education major should plan the program with the assistance and approval of the advisor and the consultant in Early Childhood Education. Some courses may be included in both the Elementary Education sequence and the Early Childhood sequence. A minimum of 21 hours, as designated below, is required.

A. **Required Courses** (total of 17 credit hours)
   1. TE-461 Child Behavior in Early Childhood Education - 3 credits.
   2. TE-482 Curriculum in Early Childhood Education - 3 credits.
   3. TE-464 Teaching and Organizational Strategies in Early Childhood Education - 3 credits.
   4. TE-466 Creating Materials in Early Childhood Education - 3 credits.
   5. Student must complete TE-472 Elementary Student Teaching at the Kindergarten level - 5 credits.

B. **Elective Courses** (minimum of 4 credit hours)
   1. TE-357 Rhythms for Kindergarten - Special Education and Elementary Teachers - 2 credits.
   2. TE-391 Psychology of the Exceptional Child - 3 credits.
   3. TE-392 Education of the Exceptional Child - 3 credits.
   4. TE-400 The Diagnosis of Learning Disabilities - 3 credits.
   5. TE-431 The Remediation of Learning Disabilities - 3 credits.
   6. TE-440 Instructional Materials for the Exceptional Child - 3 credits.
   7. TE-496 Independent Study - 3 credits.

**Library Science Teaching Minor**

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of educational media, 12 of which must be in the areas of material selection, organization and administration, cataloging and classification, and reference, and bibliography. Students must be able to type.

Up to six semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of educational media, for the purpose of meeting the requirements for the endorsement:

- Philosophy of Education
- Educational Administration
- Curriculum Design or Development
- Pedagogy or Methods of Instruction
- Educational Psychology, or Theory of Learning
- Child or Adolescent Psychology
- Communications
- Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the library staff, or with the library science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries of the area, who are unable to afford graduate library schools.
DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

PHYSICAL EDUCATION

The Department of Health, Physical Education and Recreation offers a major in Physical Education with specialized options in Secondary Physical Education, Elementary Physical Education, Athletic Coaching, Athletic Training, Physical Education for the Exceptional Child, and Pre-Physical Therapy. Students who complete the major program in one of the options, except Pre-Physical Therapy, are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. The Pre-Physical Therapy option is designed for those students who are interested in pursuing a physical therapy degree that does not require teacher certification. Physical Education Minors are offered in Elementary Physical Education and Athletic Coaching.

Facilities:

The Physical Education-Recreation area and all of its facilities are available for student and faculty use. Students are encouraged to participate in the intramural-extramural program offered by the department and the recreation programs offered by the Student Union games area.

Elective Physical Education Activity Program:

EIGHT SEMESTER HOURS OF PHYSICAL EDUCATION ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

The elective physical education program at Boise State University has been designed with the needs of the student in mind. Emphasis is placed on instruction to meet the following objectives:

1. To develop the physical capacities that comprise the biological bases for physical fitness.
2. To improve skills in basic body mechanics, team and individual sports, and in rhythmic and creative activities.
3. To develop an understanding of self through movement experiences.
4. To acquire knowledge and understanding of the rules, courtesies, customs, strategies, and techniques of several sports.
5. To improve social competency and emotional stability through participation in sports activities.

The elective program includes beginning level activities and intermediate level activities. No courses may be repeated for credit.
Elective Activities Are:

Dance:
- International Folk Dance
- Modern Dance
- Recreational Dance
- Social Dance

Individual Sports:
- Archery
- Badminton
- Billiards
- Bowling
- Fencing
- Golf
- Gymnastics
- Handball & Court Games
- Skiing
- Tennis

Martial Arts:
- Defensive Tactics
- Karate
- Self Defense

Outdoor Recreational Activities:
- Backpacking & Camping
- Fly Casting & Fly Tying
- Target & Trap Shooting
- Bicycle Touring

Physical Fitness Activities:
- Adaptive Physical Education
- Physical Fitness Activities
- Jogging
- Weight Training

Team Sports:
- Basketball
- Field Hockey
- Touch Football
- Rugby
- Soccer
- Softball
- Team Handball
- Track & Field
- Volleyball

Water Activities:
- Kayak & Canoeing
- Senior Life Saving
- Skin & Scuba Diving
- Spring Board Diving
- Swimming
- Water Polo
- Water Safety Instruction

* More than one level of instruction is offered in this activity.

REQUIREMENTS FOR PHYSICAL EDUCATION MAJOR

Bachelor of Science Degree

A student must complete the following requirements to receive a Baccalaureate degree in Secondary Physical Education:

1. The general University requirements for the Bachelor of Science Degree as listed in the BSU bulletin (page 18) with specific requirements in areas I, II, and/or III as determined by the physical education department.

2. The general graduation requirements of the School of Education and the certification requirements of the State Department of Education as listed in the BSU Bulletin (pages 100-102). Students selecting the Pre-physical Therapy option need not fulfill this option.

3. The requirements of the Physical Education Department:
   (a) The 28 credit core requirement
   (b) All other required courses listed in the option of the students choice.
PHYSICAL EDUCATION FOR THE
EXCEPTIONAL CHILD OPTION

<table>
<thead>
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<th>Course</th>
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<td>Professional Activity Electives</td>
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<tr>
<td>PE 202 Principles of Physical Education</td>
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<tr>
<td>PE 228 Introduction to Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>PE 361 Elementary School Physical Education</td>
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<tr>
<td>Methods</td>
<td>3</td>
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<tr>
<td>PE 359 Kindergarten &amp; Special Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 357 Dance for Children</td>
<td>2</td>
</tr>
<tr>
<td>PE 451 Adaptive &amp; Corrective Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>(Elementary)</td>
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ELEMENTARY PHYSICAL EDUCATION OPTION

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<tr>
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</tr>
<tr>
<td>Coaching Methods</td>
<td>2</td>
</tr>
<tr>
<td>PE 357 Dance for Children</td>
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<td>PE 359 Kindergarten &amp; Special Education</td>
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<tr>
<td>PE 493 Internship in Physical Education</td>
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ATHLETIC COACHING OPTION

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<td>Professional Activity Electives</td>
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<td>PE 228 Introduction to Athletic Injuries</td>
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</tr>
<tr>
<td>Coaching Methods</td>
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<tr>
<td>PE 430 Organization and Administration of Athletics</td>
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<td>PE 493 Internship in Physical Education</td>
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<tr>
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ELEMENTARY PHYSICAL EDUCATION MINOR

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<tr>
<td>PE 105 First Aid</td>
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<td>or</td>
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</tr>
<tr>
<td>PE 147 Professional Activities (Men)</td>
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</tr>
<tr>
<td>PE 148 Professional Activities (Men)</td>
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<tr>
<td>or</td>
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<tr>
<td>PE 245 Professional Activities (Women)</td>
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<td>Activities Electives (Men)</td>
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</tr>
<tr>
<td>PE 230 Anatomical Kinesiology</td>
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<tr>
<td>or</td>
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<td>PE 310 Physiological Kinesiology</td>
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<td>PE 357 Dance for Children</td>
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<tr>
<td>Methods</td>
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ATHLETIC COACHING MINOR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>(Coaching)</td>
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SCHOOL OF EDUCATION

Psychology

<table>
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<tr>
<th>Course</th>
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<tr>
<td>PE 145 Professional Activities (Women)</td>
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<td>PE 147 Professional Activities (Men)</td>
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DEPARTMENT OF PSYCHOLOGY

The School of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's course work in psychology are "elective."

The student should be aware, however, that even the elective courses function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and he should not regard successful completion of that program as a 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.

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 program; 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.

REQUIREMENTS FOR PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science

<table>
<thead>
<tr>
<th>Area</th>
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<td>Lower division:</td>
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<tr>
<td>B.</td>
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<td>Literature</td>
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<td>Second Area I field</td>
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<tr>
<td>Any Area I field</td>
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<td>History</td>
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<tr>
<td>General Psychology, P-101</td>
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<tr>
<td>Physiological Psychology, P-225</td>
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<td>Third Area II field</td>
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<td>Area III</td>
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<td>Mathematics for the Life Science, M-115-116</td>
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<tr>
<td>Human Physiology and Anatomy, Z-111-112</td>
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107
SCHOOL OF EDUCATION
Courses, PE

II. Upper Division:

A. Psychology

1. Statistical Methods P-305 25
2. Experimental Psychology P-321 4
3. Psychological Measurement P-421 3
4. Learning, P-441 3
5. Psychological Systems P-461 3
6. Electives in psychology 9

B. Upper Division Electives 15

III. Free electives (37-40 credits)

NOTE: Only 12 SPECIAL TOPICS credits may be used in meeting college core requirements.

*S including performance courses
**excluding performance courses

(Suggested Program)

FRESHMAN YEAR: 1ST SEM. 2ND SEM.

- English Comp. E-101, 102 3 3
- Intro to Art, Drama, Music or Humanities 3 3
- Human Physiol and Anat., Z-111-112 4 4
- History of Western Civ. H-101 and H-102 3 3
- General Psychology, P-101 3
- Elective 4

TOTAL 16 17

SOPHOMORE YEAR: 1ST SEM. 2ND SEM.

- Literature 3 3
- Math for Life Sciences, M-115, 116 5 5
- Physical and Cultural Anthropology, AN-201, 202 3 3
- Physiological Psych., P-225 3
- Intro to Practice of Psych., P-201 3
- Elective(s) 4 3

TOTAL 18 17

JUNIOR YEAR:

1ST SEM.

- Statistical Methods, P-305 3
- Experimental Psych., P-321 4
- Digital Computer Programming, EN-104 2
- Child Psychology, P-311 3
- Adolescent Psychology, P-312 3
- Perception, P-341 3
- Electives 9 3

TOTAL 15 15

2ND SEM.

- Psychological Measurement, P-421 3
- Learning, P-441 3
- Psychological Systems, P-461 3
- Abnormal Psycholog., P-301 3
- Personality, P-351 3
- Social, P-431 3
- Electives 9 3

TOTAL 15 15

*Specifically required.

COURSES

PE PHYSICAL EDUCATION

100 Health Education (Coed) (3 credits) Health education covers a wide variety of subjects, as nutrition, diseases, health needs and services, drugs, family living and personality structure and development. The major objective of this class is aiding student adjustment towards effectively functioning in a changing environment.

101 Introduction to Physical Education (Coed) (1 credit) Required of all prospective Physical Education Majors. An orientation course designed to give the prospective physical education teacher an understanding of what is involved in the profession: duties of physical educators, professional preparation, service rendered by physical educators, employment opportunities, certification requirements. Prerequisite: None. First semester.

102 Keykaying and Canoeing (Coed) (1 credit) The basic Kayaking and Canoeing course is designed primarily to cover the principles of safety, self rescue using this type of small craft. The objective of the course is to teach safe handling skills, self righting skills, skills to use in helping others or rescuing others who are in trouble, and ways to apply the basic skills interestingly and safely. Prerequisite: Candidates must have sufficient swimming skills to maintain himself in the water 10 minutes comfortably. Must be able to jump into deep water fully clothed and float, tread water safely for a period of 10 minutes. Unqualified people are not encouraged to enter the program. Either semester.

103 Introduction to Recreation (Coed) (2 credits) Designed to acquaint the student with the growth and development of community recreation and the role of community recreation in our present day society. Spring semester. Prerequisite: None.

104 Target and Trap Shooting (Coed) (1 credit) Fundamental skills of air rifle and shotgun shooting. Sighting procedures, gun parts, care of equipment and safety are stressed. Shotgun trap loading will also be taught. Students will furnish their own shotgun and trap range fees. Either semester.

105 First Aid (Coed) (2 credits) 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. Each semester.

106 Target and Trap Shooting (Coed) (1 credit) Fundamental skills of air rifle and shotgun shooting. Sighting procedures, gun parts, care of equipment and safety are stressed. Shotgun trap loading will also be taught. Students will furnish their own shotgun and trap range fees. Either semester.

108 Adaptive Physical Education (Coed) (1 credit) A fundamental body mechanics, posture and corrective exercise program designed to offer assistance to men and women who, for various reasons, are unable to participate in a regularly scheduled activity class. Students may be referred into the adaptive class where they can benefit twofold: (1) Help correct or rehabilitate their physical problem. (2) Avoid losing credit from an activity class they can no longer participate in. Students may remain in an adaptive section depending upon their need. Either semester.

110 Team Handball (M) (1 credit) The course consists of participation in the team sport of team handball. Emphasis will be placed on the natural skills of running, jumping, throwing, and catching. Basic offensive and defensive strategy and rules of the game will be taught. Either semester.

112 Billiards (Coed) (1 credit) The course is designed especially for the beginner in the art of playing pocket billiards. It will include complete instruction for the beginners in basic fundamentals as selection of the cue, grip, stroke, and bridge. Rules, position play and playing strategy will also be taught. Either semester.

130 Water Polo (M) (1 credit) Designed to teach the skills, strategy, and rules of water polo. Prerequisite: adequate swimming skills. Each semester.

131 Spring Board Diving (Coed) (1 credit) Emphasis is on basic diving skills, diving procedures, proper body positions, and safety in diving and diving areas. Prerequisite: Instructor's permission. Each semester.

132 Skin and Scuba Diving (Coed) (1 credit) Instruction in the use of mask, fins, and snorkel and an aqua lung that will enable the student to breathe underwater. Prerequisite: Pass a swimming skill test each semester. (Cost to the student approximately $30.00.)

133 Modern Dance (Coed) (1 credit) Provides opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Work will encompass improvement of body flexibility, balance, coordination and relaxation through the use of modern dance techniques and movement exploration. Either semester.

134 Backpacking and Camping (Coed) (1 credit) Fundamental skills in backpacking and overnight camping. Includes choice and choice of camping sites, basic outdoor cooking skills, minor first aid skills, and emphasizes ecology in the outdoors. Students will furnish their own equipment. Either semester.

135 Karate (Coed) (1 credit) Karate may be defined as a weaponless means of self defense. The Karate techniques are based on the theory of energy conservation. The essence of Karate is the coordination of the mental and physical powers possessed by every human being. Students will furnish their Gi. Each semester.

136 Fly Casting and Tieing (Coed) (1 credit) Designed to teach the fundamentals of fly casting and fly tying. Emphasis will be placed on casting techniques, equipment, knots, and stream-line fishing procedures. Basic aquatic entomology will be taught as it pertains to the fly ties. Basic tying operations will be taught. Students will provide their rod, reel, and line and fly tying kit. Either semester.

145 Basic Movement and Field Sports (W) (2 credits) For professional students. Instruction and practice. Basic movements, field sports. Prerequisite: Freshman standing. PE Major or consent of instructor. (Required of all PE Majors.) Fall semester.

146 Basketball, Tennis and Badminton (W) (2 credits) For professional students. Instruction and practice. Basketball, tennis and badminton. Prerequisite: Freshman standing. PE Major or consent of instructor. (Required of all PE Majors.) Fall semester.

147 Basic Movement, Soccer and Speedball (M) (2 credits) For professional students. Instruction and practice. Basic movement, soccer and speedball. Prerequisite: Freshman standing. PE Major or consent of instructor. (Required of all PE Majors.) Fall semester.

148 Basketball, Track and Field (M) (2 credits) For professional students. Instruction and practice. Basketball, track and field. Prerequisite: Freshman standing. PE Major or consent of instructor. (Required of all PE Majors.) Spring semester.
152 Beginning Swimming (W) (1 credit). Basic water safety, skills and knowledge; floating, bobbing, diving, rhythmic breathing, treading water, and an introduction to the crawl, sidestroke, elementary backstroke. For students that do not know how to swim. Each semester.

157-168 Drill Team (W) (1 credit). Drills composed of dance steps and arranged in various formations, and instruction in manual presentation at football and basketball games. One hour daily. By instructor's permission. Each semester.

161 Beginning Badminton (Coed) (1 credit). The course covers basic skills in badminton to encourage skill development, understanding and appreciation of the game. Each semester.

163 Beginning Volleyball (W) (1 credit). The course consists of participation in volleyball with consideration of fundamental skills, rules, and basic team strategy. Each semester.

164 Beginning Volleyball (M) (1 credit). A beginning class in volleyball with the basic fundamentals and team strategies of volleyball emphasized. Also basic skill drills used for skill improvement. General game situations and team participation are brought to a level of fun activity with improvement of skill the end objective. Each semester.

165 Beginning Basketball (W) (1 credit). The course consists of participation in basketball with consideration of fundamental skills, rules, and basic team strategy. Either semester.

166, 167 Varsity Participation (1 credit). Includes Football, Basketball, Wrestling, Baseball, Track, Cross Country, Tennis, Golf, Gymnastics, Field Hockey and Softball.

168 Basketball (M) (1 credit). A beginning class in basketball emphasizing general rules and participation. Basic offensive strategies will be discussed and basic drills on passing, dribbling, and shooting will take place. Defensive tactics such as man to man, zones, and rebounding will also be explained. Fall semester.

169 Beginning Tennis (Coed) (1 credit). A course for the student who has never played tennis and includes basic skills, strategies, and rules. Each semester.

171 Beginning Field Hockey (W) (1 credit). The course consists of participation in field hockey with consideration of fundamental skills, rules, and basic team strategy. Fall semester.

172 Softball (W) (1 credit). The course consists of participation in softball with consideration of fundamental skills, rules, and basic team strategy. Spring semester.

173 Beginning Soccer (M) (1 credit). Participation in soccer with emphasis on skill development, rules, and team strategy. Each semester.

174 Beginning Judo (Coed) (1 credit). A safe, fun-sport which is also a complex art form. The course consists of principles and philosophy of Judo and the techniques of falling, throwing, and grappling. Students will furnish their Gi. Each semester.

175 Beginning Self-Defense (Coed) (1 credit). The defensive tactics are presented in the forms of Aikido, Judo, and Karate, teaching coordination of the mind and body and nonaggressive application of the natural laws of gravity and force. It is designed to teach the student more skill in the techniques learned in Beginning Self-Defense. Students will furnish their Gi. Prerequisite: Instructor's permission. Each semester.

176 Beginning Judo (Coed) (1 credit). Continuation of the basic skills of Judo. Advanced form to encourage participants to seek advanced degrees. Students will furnish their Gi. Prerequisite: Instructor's permission. Either semester.

208 Beginning Gymnastics (M) (1 credit). This course is designed for the beginning student to provide instruction in the fundamentals of gymnastics. The student will also be acquainted with spotting and safety techniques. Each semester.

209 Advanced Self-Defense (Coed) (1 credit). The course is a continuation of Self-Defense using Aikido, Judo, and Karate. The course gives the opportunity to develop the student's skill in the philosophies of these martial arts. Prerequisite: Completion of Beginning Self-Defense. Prerequisite: Instructor's permission. Either semester.

210 Advanced Judo (Coed) (1 credit). Continuation of the basic skills of Judo. Advanced form to encourage participants to seek advanced degrees. Students will furnish their Gi. Prerequisite: Instructor's permission. Either semester.

211 Introduction to Athletic Injuries (Coed) (2 credits). An introduction to Athletic training, care, prevention, and rehabilitation. The role of the Athletic Trainer, qualifications and responsibilites, all relate to physical education and athletics: Control and care of injuries. Prerequisite: Sophomore year or instructor's permission. Either semester.

233 Advanced Modern Dance (Coed) (1 credit). Continuing technique study encompassing body flexibility, balance, coordination, and movement control leading to dance choreography and production work. Prerequisite: PE 133. Modern Dance or Instructor's permission. Either semester.

236 Advanced Karate (Coed) (1 credit). This course provides for continuation of the techniques learned in Beginning Karate. Instruction will be given in greater detail in the art of Karate. Participants will be encouraged to seek degrees of rank. Prerequisite: PE 135, Beginning Karate or Instructor's permission. Either semester.

246 Track and Field, Trampoline and Gymnastics (W) (2 credits). For professional students. Instruction and practice. Track and field, trampoline and gymnastics. Fall semester. Prerequisite: Sophomore standing. PE Major or consent of Instructor.

247 Trampoline, Gymnastics, Archery, Golf and Bowling (M) (2 credits). For professional students. Instruction and practice. Trampoline, gymnastics, archery, golf, and bowling. Spring semester. Prerequisite: Sophomore standing. PE Major or consent of instructor.

253 Beginning Gymnastics (Coed) (1 credit). The course covers basic skills for women on the trampoline, uneven parallel bars, balance beam, sidehorse, and in tumbling. Either semester.

265 Evaluation in Physical Education (Coed) (3 credits). Review of basic mathematical concepts as related to statistical analysis, philosophy of evaluation, construction, administration, and interpretation of test results as related to physical education. Prerequisite: Sophomore standing. Either semester.

266 Intermediate Badminton (Coed) (1 credit). Advanced basic fundamentals, including round-the-head strokes, advanced serves, advanced smash shots, drop shots, direction, and strategy. Prerequisite: Playing experience or instructor's permission. Either semester.

267 Intermediate Badminton (W) (1 credit). The course consists of participation in volleyball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or instructor's permission. Either semester.

268 Intermediate Volleyball (M) (1 credit). The course consists of participation in volleyball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or instructor's permission. Either semester.

269 Intermediate Volleyball (W) (1 credit). The course consists of participation in volleyball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or instructor's permission. Spring semester.

270 Beginning Basketball (W) (1 credit). The course consists of participation in basketball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or instructor's permission. Spring semester.
323 Techniques and Methods of Coaching Basketball (2 credits). Methods of coaching offense and defense, styles of play, and basketball strategy. Prerequisite: Junior standing or instructor's permission. Either semester.

324 Techniques and Methods of Coaching Baseball (2 credits). Team leadership and organization, selection and evaluation of personnel, practice organization, playing fundamentals, offensive and defensive strategies of the game of baseball. Prerequisite: Junior standing or instructor's permission. Spring semester.

327 Techniques and Methods of Coaching Track and Field (2 credits). The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing or instructor's permission. Spring semester.

336 Techniques and Methods of Coaching Women's Gymnastics (Coed) (2 credits). Techniques of teaching and coaching gymnastics. Emphasis is placed on progressions, safety, and conditioning. Prerequisites: Junior standing and Beginning Gymnastics or instructor's permission. Either semester.

341 Dance Techniques (2 credits). A course in methods of teaching dance in secondary schools. Areas included are folk and square dance, social dance, modern dance, and rhythmic gymnastics. Prerequisite: Junior standing or instructor's permission. Either semester.

345 Instruction and Practice in Rhythms (WI) (1 credit). For professional students. Instruction and practice. Rhythms. Spring semester. Prerequisite: Junior standing, PE Major or consent of instructor.

347 Wrestling and Weight Training (M) (1 credit). For professional students. Instruction and practice. Wrestling and weight training. Fall semester. Prerequisite: Junior standing, PE Major or consent of instructor.

357 Dance for Children (Coed) (2 credits). The analysis of the fundamentals, the development of skills, and the application of methods in teaching dance in kindergarten, special education and elementary school physical education. To include basic fundamental movement, sing along game, folk dance, square dance, round dances and mixers, fitness to music and creative dance. Prerequisite: Junior standing. Spring semester.

381 Elementary School Physical Education Methods (Coed) (3 credits). The class is designed for future elementary school teachers, and elementary school physical education specialists, with emphasis on the physical needs of children. The analysis of fundamental skills, the development of skills, and the application of various methods of instruction at the kindergarten and special education grade levels. Prerequisite: Junior standing. Fall semester.

401 Psychology of Activity (Coed) (3 credits). Concepts of learning, value formation, motivation, emotion and stress as they relate to the beginning and advanced levels of skill learning. Measurement and evaluation of the psychological aspects. Prerequisite: Anatomical Kinesiology PE 230; and Physiological Kinesiology PE 310. Either semester.

402 Athletic Training and Sports Medicine (Coed) (3 credits). The course presents the advanced theory in the technique of athletic training for the professional athletic trainer. Recognition and understanding of specific care and rehabilitation; therapeutic modalities. Prerequisite: Introduction to Athletic Injuries PE 228; Anatomical Kinesiology PE 230; and Physiological Kinesiology PE 310. Either semester.

425 Problems in Teaching Physical Education (Coed) (2 credits). CCBI. A course for senior students who have completed student teaching. Students will mutually consult in presenting problems encountered in teaching and attempt to solve them. The resources of the entire physical education staff, plus outside experts will be used. Opportunities for individual research will be provided. Prerequisite: Student teaching. Fall semester.

430 Organization and Administration of Interscholastic Athletics (Coed) (2 credits). The organization and management of interscholastic athletics including nature and function of budgeting, finance, personnel, facilities, equipment, supplies, scheduling records, public relations, legal responsibilities, professional relationship, and professional advancement. Prerequisite: Secondary School Physical Education Methods.


457 Organization and Administration of Physical Education (Coed) (3 credits). Prerequisite: Junior standing or instructor's permission. Either semester.

471 Techniques and Methods for Coaching Women's Volleyball and Field Sports (2 credits). The course is designed specifically for the specific preparation of coaching programs for specific activities. Prerequisite: Anatomical Kinesiology PE 230. Either semester.

479 Techniques and Methods of Coaching Field Hockey (2 credits). Special techniques of coaching field hockey. Prerequisite: Anatomical Kinesiology PE 230. Either semester.

542 Minor (1-7 credits). An introductory course in physical education. Prerequisite: Junior standing or instructor's permission. Either semester.

543 Minor (1-7 credits). An introductory course in physical education. Prerequisite: Junior standing or instructor's permission. Either semester.

Contact Physical Education Office for additional information.
SCHOOL OF EDUCATION Courses, P. TE

P PSYCHOLOGY

Upper Division

101 General Psychology (3 credits). An introductory course in psychology and a prerequisite to most other psychology courses. Theory and terminology are major concerns in the treatment of such topics as the history of psychology, growth and development, the nervous system, learning, thinking, individual personality and adjustment. Recommended (not required) preparation: One year of college-level science each semester.

201 Intro to Practice of Psychology (3 credits). An exposure to psychology as it is actually applied in practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Prerequisite: General Psychology 101 and consent of instructor. Spring semester.

210 Human Growth and Development (3 credits). A survey of significant factors in development from conception through adolescence. Consideration is given to normal patterns of maturation and adjustment. Major constitutional and environmental adjustment problems will also be presented. The course is intended for those who wish to study the general factors in child and adolescent development, not for psychology or education majors. Students may not earn credits in this course and in Child Growth P 311 or Adolescent Psychology P 312. Either semester. Not offered 1977-78.

225 Physiological Psychology (3 credits). A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information with the organization of behavior. Examples of sensation, perception, motivation, emotion, and learning will be studied from this point of view. Prerequisites: General Psychology 101, B-107 Human Physiology and Anatomy, and consent of instructor. Fall semester.


311 Child Psychology (3 credits). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Student may not earn credits in this course and in Human Growth and Development P 210. Prerequisite General Psychology 101. Each semester.

321 Developmental Psychology (3 credits). Chronologically a continuation of Child Psychology P 311; the course will emphasize the special conditions of adolescent growth and adjustment. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Students may not earn credits in this course and in Human Growth and Development P 210. Prerequisite: General Psychology 101. Each semester.

321 Experimental Psychology (4 credits). The application of scientific methodology to the study of behavior. Design of experiments; methods of analysis and interpretation of data; reporting of behavioral research. Two lectures and two two-hour laboratory periods per week. Prerequisite: General Psychology 101. Each semester.

326 Educational Psychology (3 credits). A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: General Psychology 101. Each semester.

341 Perception (3 credits). A survey of the basic concepts in the psychology of perception, including a critical study of the findings of recent scientific research on the receptor processes. Prerequisite: General Psychology 101. Spring semester.

351 Personality (3 credits). A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology 101. Fall semester.


401 Senior Research Practicum (3 credits). A systematic coverage of the general principles and essential details of psychology and an opportunity to teach to other students. Seminars will cover various problems related to the materials covered. Practical experience in managing large classes and especially in rendering academic assistance to students will also be discussed. Encountered experiences will be used to help students study the classroom management, test-taking anxiety, and subject-matter problems. Prerequisites: Senior or second-semester junior standing in psychology with an upper-division GPA above 3.0. Plus selection by the Department. Each semester.

406 Advanced Statistical Methods (3 credits). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance, linear regression, and correlation methods, with particular emphasis on comparison tests and transformations. Other topics include multiple correlation techniques, analysis of covariance, nonparametric tests, and control of extraneous variables in statistical research. Prerequisite: General Psychology 101. Statistical Methods P 305. Spring semester.


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


441 Learning (3 credits). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: Conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology 101. Mathematics M 115-116. Statistical Methods P 305. Experimental Psychology P 321 may be taken before or concurrently with Learning. Fall semester.

461 Psychological Systems (3 credits). Theories and controversies of the past and present. Prerequisite: Senior standing in Psychology. Spring semester.

498 Senior Thesis (3 credits). An individual research project in psychology. The project is selected by the student, and his proposal must be approved by the instructor before he may enroll. Recommended for students planning to go on to graduate school. Prerequisites: General Psychology P 101. Mathematics for the Life Sciences M 115, 116. Statistical Methods P 305. Experimental Psychology P 321; and consent of the instructor. Fall semester.

Graduate

503 Individual Testing Practicum (3 credits). Emphasis in the course will be on the techniques and procedures of administering and designing current standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics M 115-116, Statistical Methods P 305, Experimental Psychology P 321. Open to qualified seniors with consent of instructor. Limited enrollment. Spring semester. Alternate years. Not offered 1977-78.

TEACHER EDUCATION

Lower Division

101 Efficient Reading and Effective Study Skills (2 credits). This course is designed to develop the reading and study skills of the college student. Areas covered are organized study techniques, taking examinations, vocabulary building, comprehension of reading material, gaining the main ideas in paragraphs, how to use library, rapid and flexible reading. Many techniques are employed, including multimedia techniques, to aid student development.

171 Early School Experience (1 credit). An experience in an elementary classroom involving observation and assistance to the teacher. Requires a minimum of 20 hours in the classroom and periodic seminars with a university supervisor. Program is coordinated by the Department of Teacher Education and Library Science. Required of all elementary education majors. Each semester. Prerequisite: To 201. Foundations of Education.

201 Foundations of Education (3 credits). A general introductory course in education to give the student, as early as possible in his preparation for teaching, some familiarity with the teaching profession. It deals with the work of the teacher, the educational social, historical and philosophical background for teaching, current educational problems and practices. It helps students decide whether they should or should not become a teacher. Admission to the Teacher Education Program is contingent upon meeting certain requirements specified in this course. Each semester.

205 An Inquiry into Approaches to Reading (3 credits). Each semester. This course is designed to help students develop an understanding of the relationship of reading, the reading process, and the multiple factors that can contribute to reading success. The course includes a review of a wide selection of media from the Reading Education Center and the Curriculum Resource Center. Also included is the observation of the use of materials and media in classroom situations.

211 Teacher Aide Practicum (2 credits). As a part of the total in school pre-professional experience of teachers, this sophomore level course provides an opportunity for students to become familiar with practical problems of school teaching. Included are a two-hour orientation seminar with a university supervisor and approximately 24 hours of direct “aiding” experience in a cooperating elementary school classroom. Assignments to classrooms and scheduling of teacher aiding hours are arranged in cooperation with participating schools. Periodic seminars and evaluations are arranged by the university supervisor.

Upper Division

386 Production of Audio Visual Materials (2 credits). Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in the operation of equipment involved. Each semester.

395 Corrective Reading in the Elementary School (3 credits). A study of reading difficulties of elementary school pupils with emphasis upon diagnosis, materials, and methods of teaching. The student will tutor a pupil assigned from the Reading Education Center for approximately 20 sessions.

371 Guidance for the Classroom Teacher (3 credits). A study of the guidance activities normally carried on by the classroom teacher.

381 Secondary School Methods (3 credits). A study of the overall program and objectives of the secondary school together with special attention given to methods and materials of instruction. Application is made to the student’s teaching areas. Prerequisite: Admission to the School of Education. This course, and/or a special methods course should be completed prior to student teaching. Each semester.

111
SCHOOL OF EDUCATION
Courses, TE, LS

391 Psychology of the Exceptional Child (3 credits). A psychological study of children who deviate from the average mentally, physically, socially, and emotionally to such an extent that special treatment is needed. Problems of identification, diagnosis, and treatment, as well as the role and employment are considered. Prerequisite: Educational or Child Psychology. Fall semester.


393 Driver Education (2 credits). This course is designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control and safety. Spring and Summer semesters.

394 Advanced Driver Education (2 credits). A course designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. Prerequisite: TE-393. Spring, Summer semesters.

395 General Safety Education (3 credits). This course is designed to provide a comprehensive survey of general safety education as it applied to all fields but especially to the public schools. Topics include the study of accidents and their prevention, safety and accident prevention devices, transportation and the school's role relative to safety problems with other public and private agencies. Prerequisite: Upper division standing.

410 Elementary School Media (1 credit). First semester of two semesters, first semester has emphasis upon media production for the elementary teacher and has basic experiences in the areas of illustration, preparation and production of instruction materials, in addition to production in the operation of audio-visual equipment commonly found in the elementary classroom. Fall semester.

411 Elementary School Media (1 credit). The second semester of Elementary School Media, is designed to give elementary teachers experience in the production and utilization of instructional material and audio-visual equipment. More advanced skills will be taught in the areas of illustration, preparation, editing, and photography. Spring semester.

420 Curriculum for the Mentally Retarded (3 credits). A study of the specific curriculum needs of the mentally retarded and the methods and adaptations necessary for the education of the student. Emphasis is given to the development of curriculum and instructional methods for this type of student, who in all probability will not be found in the regular school classroom. Such areas as severe mental retardation, multiple handicaps, and the severely emotionally disturbed will provide the basic exceptionalities for this course. Prerequisite: TE-391 Psychology of the Exceptional Child or TE-392 Education of the Exceptional Child. Fall semester.

420 Teaching Strategies for the Mentally Retarded (3 credits). Survey and identification of teaching methods utilized in classroom teaching of all levels of retardation. Spring semester.

422 Curricular Programs for the Severely Handicapped (3 credits). This course is designed to acquaint the student with identification of the severely handicapped student and his education in the public schools. Emphasis is given to the development of curricula and instructional methods for this type of student, who in all probability will not be found in the regular school classroom. Such areas as severe mental retardation, multiple handicaps, and the severely emotionally disturbed will provide the basic exceptionalities for this course. Prerequisite: TE-391 Psychology of the Exceptional Child or TE-392 Education of the Exceptional Child. Spring semester.

420 Teaching the Severely Handicapped (3 credits). The course is designed to provide the student with the tools for teaching the severely handicapped. Updated information and skills related to research in this area will be given high priority. Students will be required to read recent literature, participate in classroom activity and do research in the area. Prerequisite: Successful completion of TE-422. Curriculum Programs for the Severely Handicapped and/or graduate status. Spring semester.

430 The Diagnosis of Learning Disabilities (3 credits). The course will assist teachers in diagnosing learning disabilities and in preparation of teaching experiences for assisting or overcoming these disabilities. Fall semester.

431 The Remediation of Learning Disabilities (3 credits). This course is designed to provide the teacher with tools for preparation of the educational program needed for the improvement and possible correction of the specific learning disorder. Spring semester. Prerequisite: TE 430 or consent of the instructor.

440 Instructional Materials for the Exceptional Child (3 credits). Opportunities for the planning, use, and evaluation of instructional materials for specific exceptionalities will be the format of this course. Students will develop procedures that the teacher of the exceptional child will use in the classroom activities in regard to the materials available. The Associate Special Education Instructional Materials Center, and other materials centers will provide the materials and equipment for the course. Either semester.

450G Behavior Intervention Techniques (3 credits). This course is designed for teachers, counselors, and administrators to gain understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be placed upon the Learning Theory Model and Intervention Strategy to deal with children in classroom and the relationship of their behavior to the environment. Prerequisite:

451 Elementary Curriculum and Methods I (5 credits). The first semester of Elementary Curriculum and Methods with an emphasis on language arts. However, all aspects of curriculum are included. Prerequisite: Child Psychology. To be taken concurrently with Student Teaching 471. Fall semester.

452 Elementary Curriculum and Methods I (5 credits). The second semester of Elementary Curriculum and Methods with an emphasis upon social studies, science, and mathematics. However, all aspects of curriculum are included. Prerequisite: Elementary Curriculum and Methods I, TE 451. To be taken concurrently with Student Teaching TE 472. Spring semester.

461 Child Behavior in Early Childhood Education (3 credits). Various approaches of working with behavior of children is explored. Areas include reinforcement, punishment, shaping, modification, the application of the behavioral principles of Dr. B. F. Skinner and others. Emphasis will be placed on individual differences in children with practical suggestions for the implementing special techniques. Spring semester.

462 Curriculum in Early Childhood Education (3 credits). All areas of the curriculum will be explored. Various early childhood curriculums from national programs will be examined. The processes and materials for intellectual and language development examined and utilized. Fall semester.

464 Teaching and Organizational Strategies in Early Childhood Education (ages 2-5) (3 credits). Laboratory and Clinical Practice. Prerequisites: Successful completion of instructional materials, software, and hardware individualization of instruction, small and large group instructional aides, and various teaching materials. The use of aids, parents, and other community resources in the classroom will be discussed along with techniques for evaluating their progress. The use of British Infant and Primary Schools will be explored in depth as will various United States open-classroom models. Spring semester.

465 Creating Materials in Early Childhood Education (ages 2-5) (3 credits). Emphasis will be given to independent study devices, display devices, pocket charts, self-correctional devices, circuit boards, programmed instruction, puppets, puppets and games and games. Prerequisite: Successful completion of instructional materials and independent study devices, display devices, pocket charts, self-correctional devices, circuit boards, programmed instruction, puppets, puppets and games. Students will be charged a lab fee which will be used to purchase instructional supplies. Spring semester.

470 Elementary Student Teaching (3 credits). Observation and supervised teaching in the schools of Boise. Summer semester.

471 Elementary Student Teaching (5 credits). Observation and supervised teaching. Prerequisites: Approval of an Application for Student Teaching, Senior standing, and GPA of 2.25. Fall semester.

472 Elementary Student Teaching (5 credits). Observation and supervised teaching. Prerequisite: TE-351. To be taken concurrently with Elementary Curriculum Methods, TE-352. Spring semester.

473 Elementary Student Teaching in Special Education (5 credits). Supervision and observation in special education, either in learning disabilities or mental retardation. Prerequisite: Successful course work in special education and approval for placement in a special education classroom.

474 Elementary Secondary Teaching (6 credits). Supervised student teaching in a secondary school. Prerequisites: Admission to the School of Education, Completion of Secondary Methods, or as a special methods course in the teaching area with a minimum grade of A; Senior standing, GPA of 2.25 in major field, minor field, and education courses. A cumulative GPA of 2.1. Recommendation of the faculty advisor or department chairperson. Approval of an official application for student teaching. Application must be filed with the office of the Coordinator of Field Services by March 1 of the Junior year. Each semester.

475 Special Education Techniques-Practicum (4 credits). Provides the student with an opportunity to experience specific educational programming and learning sequences related to their interest in special education. In-depth field study of the exceptional child will be conducted by participants in gaining greater knowledge related to evaluation, prescription, and teaching in the classroom. Either semester. Prerequisite: Consent of the Instructor.

489 Senior Seminar—Elementary Education (2 credits). Fall semester.

499 Senior Seminar—Elementary Education (2 credits). Spring semester. A seminar designed to assist prospective elementary teachers in effectively dealing with key problems associated with active participation into the teaching profession. A seminar is conducted each semester concurrent with Elementary Student Teaching. This course provides in-depth consideration of (1) interpersonal communication, (2) ethical behavior, (3) use of special resources, (4) role of professional associations, and (5) the professional role in teaching. Consideration is accomplished through intensive workshops and small group exchange seminar meetings with the University clinical professors.

LS LIBRARY SCIENCE

101 Introduction to Use of Books and Libraries (2 credits). Teaches efficient use of library materials, catalog indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshmen, sophomores and new students. Recommended for education majors. Fall semester.

102 Basic Library Skills (1 credit). An independent, self-paced, self directed course in library skills including resources and evaluation. Credit will be given for those students who do not have difficulties in using libraries and who are assigned to library orienting, with a pass-no test policy. Prerequisite: Course is designed to help incoming students who are not familiar with the academic library, and for returning students who have had difficulties using the library. Students may take the course for credit, no credit basis.

161 Children's Literature (3 credits). Emphasis on selection, wide reading, and evaluation of books for children, and reading guidance in relation to both personal and group interests. Fall semester.

301 Library Organization and Administration (3 credits). An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the institutional program. First semester.

311 Reference and Bibliography (3 credits). Introduction to the principles and techniques of reference work. The evaluation of books and materials. Bibliographies and indexes, and bibliographies found in school and small public libraries. Fall semester.

GENERAL REQUISITES

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who have some professional relationship to elementary education. Candidates must show promise of meeting the standards set by the School of Education as well as the specific regulations of the particular program for which they apply.

Applicants for regular status in the program must have maintained a grade point average of at least 3.00 for the last two years of undergraduate study, or an overall grade point average of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

The name of the faculty member who will serve as chairperson of the candidate's committee is listed in the letter of acceptance to the applicant. Candidates should contact the assigned committee chairperson (advisor) as soon as possible in order to plan a program. Credits taken prior to such planning are subject to the review and approval of the committee chairperson. Spring semester.

** Especially recommended for secondary teachers
** Especially recommended for secondary language arts teachers.

** 321 Basic Book Selection (3 credits). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for the slow and gifted reader. Spring semester.


** 341 Literature for the Adolescent (3 credits). Reading and appraisal of literature appropriate to the needs, interests, and abilities of young people. Intended for librarians, high school teachers and others interested in working with young adults. Prerequisite: 3 credits of Lower Division Literature. Spring semester.

MART OF ARTS IN ELEMENTARY EDUCATION

SCHOOL OF EDUCATION

MA Program

COURSES

Required of All Candidates

I. Core program of 9 credit hours, consisting of TE-570-571, TE-563 and two 1-credit hour classes, is required of each candidate. Courses are as follows:

TE-570-571 Comprehensive Core for Elementary Education (total of 6 credits). The comprehensive core includes a number of presentations on current issues in education. Presentations are followed by discussions within small groups. A culminating activity is the development of a paper presenting the student's position or view regarding the particular topic. Summer.

TE-563 Conflicting Values Influencing Education (1 credit). This course will analyze ideological positions which have affected educational programs and policies. Each student will be asked to carefully consider his own values and analyze how these positions affect his mode of classroom operation. Summer.

II. Two 1-credit hour classes from the following list:

TE-565 Interpreting Education Research (1 credit). Summer. (See secondary courses for description)
TE-566 Learning Theory and Classroom Instruction (1 credit). Summer. (See secondary courses for description)
TE-567 Teaching Subject Content Through Reading (1 credit). Summer. (See secondary courses for description)
TE-568 Techniques of Classroom Management (1 credit). Summer. (See secondary courses for description)
TE-569 Testing and Grading (1 credit). Summer. (See secondary courses for description)
TE-573 Creative Teaching - Elementary School (1 credit). A mini-course for elementary teachers seeking to explore factors associated with creativity, establishing creative learning environments, and techniques and strategies enhancing creative and productive expression in the elementary school classroom. Special emphasis is placed on designing usable classroom techniques for creative teaching, and on evaluating growth in creativity of children. Prerequisite: Graduate Status. Summer.

III. A Thesis/Project, as mutually agreed upon by the candidate and the committee, is required of each candidate. Selection of a thesis implies a research emphasis with a thesis format. Selection of a project implies a project directly related to instruction or some other aspect of the elementary program.


CURRICULUM AND INSTRUCTION

(Courses and Requirements)

Curriculum in Education - Courses and Requirements

Twelve semester hours of credit must be chosen from courses in this elective area. At least one course must be selected from Cluster I and from Cluster II.

Cluster I (Choose at least one course)

TE-501 Advanced Practices and Principles in Teaching Reading (3 credits). The total reading process is stressed, Areas such as reading, grouping, methodologies, new approaches to teaching, dictionary skills, word attack skills, comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed. Each semester and summer.

TE-510 Advanced Practices and Principles in Teaching Social Science (3 credits). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed. Fall semester.

Areas of Emphasis

The candidate selects one of three areas of emphasis:

1. Curriculum and Instruction

A program is planned for the person who desires to continue as a generalist in Education. A broad curriculum rather than a specialty is emphasized.

2. Reading

The program is planned for the person who desires to specialize in Reading Education.

3. Content Enrichment

The programs are planned for persons interested in subject area specialties such as Art, Mathematics, and Music. The committee chairperson has information regarding approved subject areas.

4. Special Education

Programs are planned for persons interested in the areas of Learning Disabilities or Mental Retardation.
TE-511 Advanced Practices and Principles in Teaching Elementary Mathematics (3 credits). A study will be made of the number abilities needed by children, the methodologies and improving number experiences desirable teaching procedures, use of materials, and research findings in mathematics. Spring semester.

TE-512 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3 credits). Emphasis will be given to the role of language arts and linguistics in the elementary school curriculum, stressing the newer approaches to language development, spelling, writing, listening-speaking skills. Summer.

TE-513 Advanced Practices and Principles in Teaching Elementary Science (3 credits). Current practices and principles in modern elementary science concepts will be developed. Particular reference will be made to selecting and organizing content and experimental activities. Fall semester.

Cluster II (Choose at least one course)

TE-506 Individual Tests and Measurements (3 credits). An intensive investigation is pursued in the field of individual testing, measurement and evaluation. Each semester.

TE-515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits). A study of the techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with learning difficulties will be the major emphasis of this course. Fall semester.

TE-516 Development of Skills for Teaching the Fast Learner (3 credits). The techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with exceptional abilities will be studied. Summer, every other year.

TE-517 Development of Skills for Teaching the Mentally Retarded (3 credits). The techniques and methods applicable for use by the classroom teacher in developing skills for working with mentally retarded pupils will be studied. Spring semester.

P-501 Counseling and Guidance in the Elementary Classroom (3 credits). A study of counseling and guidance techniques for the elementary school. Attention is given to the study and application of basic guidance services as related to the regular and to special education programs. Prerequisite: P-101. General Psychology. Each semester and summer.

P-502 Advanced Educational Psychology (3 credits). A study of contemporary issues involving both theoretical and methodological considerations in the history and systems of educational psychology will be given. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. Prerequisite: P-101 General Psychology. Fall, every other year.

P-503 Individual Testing Practicum (3 credits). Emphasis in the course will be on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics 115-116, Statistics P 305 and Psychological Measurement P 421. Open to qualified seniors with consent of instructor. Limited enrollment. Spring semester.

P-504 Analysis of the Individual (3 credits). A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information. Prerequisite: P 101 General Psychology. Spring semester.

P-505 Personality Development (3 credits). Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation is developed. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. Prerequisite: P-101 General Psychology. Fall semester.


Additional Elective Courses

TE-502 Diagnosis of Reading Problems (3 credits). (See Reading emphasis for course description). Fall semester and Summer.

TE-503 Remediation of Reading Problems (3 credits). (See Reading emphasis for course description). Spring semester and Summer.

TE-518 Techniques for Creative Writing in Elementary Schools (3 credits). Methods and techniques for encouraging creative writing in the elementary school. Spring semester.

TE-519 Advanced Children's Literature (3 credits). A presentation of the latest in children's literature for use in the elementary school will be made. Special emphasis upon children's poetry will be included. Spring semester.

TE-520 Educational Media (3 credits). This course will acquaint the elementary classroom teacher with the latest educational media available for use. Evaluation of materials in a media center will be studied. Emphasis upon the use of a curriculum resource center in the local school system will be made. Summer, every other year.

TE-521 Elementary Physical Education Activities (3 credits). Methods and techniques for classroom and playground activities for physical education curriculum development will be studied. Emphasis upon corrective physical education procedures will be given. Summer, every other year.

TE-522 Individualization of Reading Instruction (3 credits). Emphasis upon the individualized approach to reading education. Fall semester.

TE-531 Education for the Culturally Different Learner (3 credits). (See Secondary courses for description). Fall semester.


TE-555 Supervision in Schools (3 credits). (See Secondary courses for description). Summer. Fall semester and Spring semester.

TE-559 Values and Ideology in Education (3 credits). (See Secondary courses for description). Spring semester.

P-598 Seminar—Adolescent Psychological Problems (3 credits). (See Secondary courses for description). Fall semester.

Note: See the listing of courses in the following departmental sections of the Bulletin for elective courses outside of the School of Education. Art, English, Geology, History, Music and Sociology.

CONTENT ENRICHMENT
(Courses and Requirements)

Candidates complete 12 to 15 credit hours within the area of emphasis. The remaining 3 to 6 credits may be selected from the offerings previously listed.

READING
(Courses and Requirements)

Candidates complete 12 credit hours as listed. The remaining 6 credits may be selected from the offerings previously listed.

TE-501 Advanced Practices and Principles in Teaching Reading (3 credits). The total reading process is stressed. Areas such as readiness, groupings, methodologies, new approaches to reading, vocabulary skills, word attack skills and comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed. Each semester and summer.

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). The role of the special reading teacher and his type of screening devices is developed. Various standardized and informal reading tests are put into practice by working with a child in the Reading Center. A case study culminates the course. Prerequisite: TE 501. Fall semester and summer.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Remediation approaches and techniques for disabled readers is emphasized. Training is fostered by tutoring a child under supervision in the Reading Center. Prerequisite: TE 502. Spring semester and summer.

TE-504 Seminar in Reading Education (3 credits). The significant research concerning all phases of reading is abstracted and discussed in small group settings. Instruction in how to read Reading Research is included. Instruction in Reading research in reading is developed. Prerequisite: TE 503. Fall semester and summer.

SPECIAL EDUCATION
(Courses and Requirements)

LEARNING DISABILITIES
Candidates complete 13 credit hours of the required listing. The remaining hours are to be selected from the elective listing.

Required (13)

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). See description under Reading. Fall semester and Summer.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). See description under Reading. Prerequisite TE-502.

TE-515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits). See description under Cluster II. Fall semester.

TE-590 Practicum in Learning Disabilities (4 credits). Students will be placed in practicum sites that will provide actual educational experiences with children described as having learning disabilities. The sites will provide the student an opportunity to observe, assist and instruct the students having learning disabilities thereby developing the skills necessary to be a teacher of the learning disabled. Each semester and Summer.

Electives (5)

TE-440 Instructional Materials for the Exceptional Child (3 credits). See description under Upper Division listings. Each semester.

TE-450G Behavior Intervention Techniques (3 credits). See description under Upper Division listings. Prerequisite: Upper division psychology course. Each semester.

TE-523 Emotionally Disturbed Child in the Classroom (3 credits). The course is designed to assist teachers in understanding the educational and psychological needs of the emotionally disturbed child in the classroom. Emphasis is placed on developing teaching techniques to facilitate the growth and development of the emotionally disturbed child. Each semester.
PE-594 Physical Education in Special Education (2 credits). The course is designed to acquaint students with the theories of motor perceptual activity as well as to involve them in a hands-on approach to activity. The students will develop skills in identifying motor problems and plan the remedial needs for correction. Summer.

P-501 Counseling and Guidance in the Elementary Classroom (3 credits). Prerequisite: P-101 General Psychology. See description under Cluster II. Each semester and Summer.

P-505 Personality Development (3 credits). Prerequisite: P-101 General Psychology. See description under Cluster II. Fall semester.

MENTAL RETARDATION

Candidates complete 13 credit hours of the required listing. The remaining 5 hours are to be selected from the elective listing.

Required (13)

TE-450G Behavior Intervention Techniques (3 credits). See description under Upper Division listing. Prerequisite: Upper Division psychology course. Each semester.

TE-517 Development of Skills for Teaching the Mentally Retarded (3 credits). See description under Cluster II. Spring semester.

TE-550 Practicum in Mental Retardation (4 credits). Students enrolling in this course shall be placed in actual educational experiences with children identified as being mentally retarded. Specific needs of the individual shall dictate placement and type of experiential exposure. It is the intent of this course to develop a person with the desired skills required for teaching the mentally retarded. Each semester and Summer.

P-501 Guidance and Counseling in the Elementary Classroom (3 credits). See description under Cluster II. Prerequisite: P-501 General Psychology. Each semester and Summer.

Electives (5) (Only 6 credit hours of undergraduate courses in a program).


TE-423S Teaching the Severely Handicapped (3 credits). See description under Upper Division listing. TE-422 Curricular Programs for the Severely Handicapped and/or graduate status. Spring semester.


TE-462 Curriculum in Early Childhood Education (3 credits). See description in Upper Division listing. Fall semester.

TE-505 Individual Tests and Measurements (3 credits). See description under Cluster II. Each semester.

TE-523 The Emotionally Disturbed Child in the Classroom (3 credits). See description under Learning Disabilities section. Each semester.

PE-594 Physical Education in Special Education (2 credits). See description under Learning Disabilities section. Summer.

MASTER OF ARTS/SCIENCE IN SECONDARY EDUCATION

General Information

A Master's degree in Secondary Education with emphasis in the subject areas of Art, Business Education, Earth Science, English, History, Mathematics, and Music is presented through the Department of Teacher Education, the related subject department, and the School of Education. Each subject department has a planned program and it is described in the Bulletin within the department sections.

General information appropriate to all graduate programs is presented in the Graduate School section of the Bulletin.

Specific information appropriate to the Secondary Master's degree encompassing all areas of emphasis is as follows:

1. Each candidate is to have a subject area emphasis within a department or a combination of departments.
2. The degree will include a minimum of 27 hours plus from 3 to 6 semester hours for the culminating activity.

SCHOOL OF EDUCATION

MA/MS Program

3. Each candidate's program shall include a minimum of 18 semester credit hours within the area of emphasis.

4. Each department will determine the nature of the culminating activity from (1) a thesis with an appropriate examination, (2) a project with an appropriate examination, or (3) 3 to 6 additional credits with an appropriate examination.

5. The candidate's committee shall consist of three members with the chairperson from the area of emphasis, one member from the Department of Teacher Education and one from any department.

6. Recommendations for admission shall come from both the School of Education and the involved department.

Courses in Teacher Education

Required Courses in Education

Candidates are required to complete TE-560 Core in Secondary Education, TE-563 Conflicting Values in Education, and two 1-credit courses from the listing.

TE-560 Core in Secondary Education (3 credits). The goal of the Core is to provide the opportunity for students to become aware of, and knowledgeable about, topical issues related to secondary education. The issues are interdisciplinary and are drawn from such areas as political, economic theory, social trends, educational theory, and human behavior. In addition, each student is involved in the critical analysis of the issues through preparation of position papers on selected topics. Prerequisite: Graduate status. Summer.

TE-563 Conflicting Values Influencing Education (1 credit). This course will analyze ideological positions which have affected educational programs and policies. Each student will be asked to carefully consider his own values and analyze how these positions affect his mode of classroom operation. Prerequisite: Graduate Status. Summer.

Two 1-credit classes from the following list:

TE-564 Creative Teaching—Secondary School (1 credit). The course will explore various approaches to classroom teaching methodology and atmosphere which are innovative and creative. Each student will be given the opportunity to develop new means of teaching material selected from his own teaching field. Intensive concentration will be given to ideas which might maximize the realization of student potential on a personal basis. The course will be problem centered and since the problems will be drawn from various subject areas, the course will be interdisciplinary. Prerequisite: Graduate Status. Summer.

TE-565 Interpreting Educational Research (1 credit). This course will prepare students to read, understand, and critically analyze educational research. Prerequisite: Graduate Status. Summer.

TE-566 Learning Theory and Classroom Instruction (1 credit). This course is intended to introduce a few basic concepts of reading instruction, and then applying them to classroom teaching in secondary subjects. Emphasis will be on secondary teachers' responsibility to teach their students to read their instructional materials. Specific techniques of vocabulary development, reading for comprehension, theoretical and practical classroom environments. Active participation by class members will be required. Topics to be included are: motivation, listening, constructive confrontation, problem-solving alternatives, value conflicts, and modifying classroom environments. Prerequisite: Graduate Status. Summer.

TE-587 Teaching Subject Content Through Reading (1 credit). The course is intended to introduce a few basic concepts of reading instruction, and then applying them to classroom teaching in secondary subjects. Emphasis will be on secondary teachers' responsibility to teach their students to read their instructional materials. Specific techniques of vocabulary development, reading for comprehension, theoretical and practical classroom environments. Active participation by class members will be required. Topics to be included are: motivation, listening, constructive confrontation, problem-solving alternatives, value conflicts, and modifying classroom environments. Prerequisite: Graduate Status. Summer.

TE-589 Testing and Grading (1 credit). This course will include an introduction to the theories and fallacies of testing. Problems and methods of teacher constructed tests will be included. The relationships between testing and grading and other forms of evaluation will be examined.

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SCHOOL OF EDUCATION
MA/MS Program

Elective Courses

With the approval of the candidates committee, students may select additional courses from the following list as well as from the 1-credit course listing.

TE-507 Relating Reading Processes to Secondary School Subjects (3 credits)
This course is designed for secondary teachers in all academic areas who desire to develop efficient methods of utilizing instructional materials in their content subjects. Techniques of vocabulary development, preparation of reading materials, comprehension, making assignments, learning to study, and testing will be studied so that the teacher can bring together students and reading material in the most efficient ways. Prerequisite: Graduate Status. Fall semester.

TE-508 Teaching Reading in the Secondary School (3 credits)
The course is designed for reading specialists in Junior High Schools and Senior High Schools. Specific methods and materials of testing and instruction of students with reading problems will be emphasized. Various standardized and informal tests will be studied and analyzed. Several corrective techniques will be demonstrated and analyzed. Prerequisite: Graduate Status. Spring semester.

TE-531 Education for the Culturally Different Learner (3 credits)
A study of the development of children and adolescents in different cultures in comparative relationship to existing values, with special emphasis on the manner in which biological and psychological factors are interpreted in accordance with prevailing values. The life styles of various minority groups and the implications for education will be examined. Major topics include the culturally different learner, and (1) learning styles, (2) using media, (3) the process of change. Special emphasis will be on the various minority group children of Idaho, including Chicanos and Indians. Extensive use will be made of available research, and other appropriate data, and recognized resource people. Prerequisite: Graduate Status. Spring semester.

TE-541 Education in Emerging Nations (3 credits)
The course provides an analysis of the relationship between national goals and the educational system found in the twentieth century. The contemporary systems will be studied in light of three major factors:
1. Natural factors: Race, language, environment
2. Religious factors
3. Secular factors: Humanism, socialism and nationalism

TE-551 Fundamentals of Educational Research for Teachers (3 credits)
The development of educational research with emphasis on the nature of scientific inquiry, basic methods of formulating a research problem and designing an experiment. Prerequisite: Graduate Status. Fall semester.

TE-556 Supervision in Schools (3 credits)
An opportunity to provide teaching personnel, who have responsibility for supervision of instruction, the latest in thinking and research about supervision. The course will be divided into three segments for implementation: (1) human skill in supervision, (2) technical skills in supervision, and (3) applied supervision practicum. Prerequisite: Graduate Status. Fall and Spring semester and Summer.

TE-559 Values and Ideology in Education (3 credits)
Students will analyze and evaluate past and contemporary philosophic thinking as they apply to educational programs. Education, essentially, is determined by the application of three variables: the subject matter to be taught, the means by which it is taught and the atmosphere (e.g., environment) in which the teaching takes place. All of these variables are affected by the attitudes and values of individuals and groups who are instrumental in affecting programs and practice. One cannot consider, therefore, what education has been, is and is likely to become without a thoughtful, systematic study of philosophic thought bearing on the education of the young. This is the essential concern of Philosophy of Education. Prerequisite: Graduate Status. Spring semester.

SO-501 The Sociology of Education (3 credits)
A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary society. Prerequisite: Graduate Status and SO-101. Summer.

NOTE: Candidates may select appropriate courses from the Elementary Graduate Program course listing when approved by the committee.
PART VII

School of Health Sciences

Dean: Victor H. Duke, Ph.D.

INTRODUCTION

The School of Health Sciences is one of four academic units at Boise State University. Course work leading to associate and baccalaureate degrees is offered in several programs. Faculty of the school not only have the required graduate degrees but are also registered or certified as practitioners in the areas in which they teach. The several hospitals, clinics and government agencies in the area afford the necessary patients, professional support, and up to date equipment and facilities required to complement the classes and laboratories at the University.

The mission of the School of Health Sciences is to provide the best education possible with the available resources in those programs assigned by the State Board of Education. The school also accepts the responsibility to provide continuing education to its graduates as well as other health care providers throughout the state.

ADVISORY COUNCIL

Clayton C. Morgan, M.D.
Chairman; Adjunctive Associate Professor

David M. Barton, M.D.
Adjunctive Associate Professor

Lawrence L. Knight, M.D.
Adjunctive Associate Professor

David W. Bennett, M.D.
Adjunctive Associate Professor

David K. Merrick, M.D.
Adjunctive Associate Professor

M. M. Burkholder, M.D.
Adjunctive Associate Professor

Mary Nelson, R.N.
Adjunctive Associate Professor

Charles L. Robertson, M.D.
Adjunctive Associate Professor

Robert H. Sabin, M.B.A.
Adjunctive Associate Professor

Sister Mary Terese Tracy, R.S.M., M.H.A.
Adjunctive Associate Professor

Edith Miller Klein, J.D.
Adjunctive Associate Professor

Lawrence L. Knight, M.D.
Adjunctive Associate Professor

R. M. Gudmundson, D.D.S.
Adjunctive Associate Professor

M. M. Burkholder, M.D.
Adjunctive Associate Professor

John W. Gerdes, Ph.D.
Adjunctive Associate Professor

J. D. Miller Klein, J. D.
Adjunctive Associate Professor

CLINICAL AFFILIATES

Alcohol Rehabilitation Center, Boise, Idaho
Boise Convalescent Center, Boise, Idaho
Boise Orthopedic Clinic, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Health Clinics, Nampa, Idaho
Grand Oaks Health Care Center, Boise, Idaho
Headstart, El-Ada Community Action, Boise, Idaho
Idaho Elks Rehabilitation Center, Boise, Idaho
Independent School District of Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
St. Alphonsus Hospital, Boise, Idaho
St. Luke's Hospital, Boise, Idaho
St. Mary's School, Boise, Idaho
Sunset Nursing Home, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Hospital, Boise, Idaho
SCHOOL OF HEALTH SCIENCES
Allied Health

DEPARTMENT OF ALLIED HEALTH STUDIES

Medical Office Assistant

Acting Director: Elaine Rockne

Medical Record Science

Director and Instructor: Elaine Rockne; Supervisor of Directed Practice and Instructor: J. Colvin; Medical Director and Adjunctive Associate Professor: C.C. Morgan, M.D.

Medical Technology

Medical Director: L.L. Knight; Director of Clinical Instruction and Adjunctive Associate Professor: L. Beas; Associate Professor of Zoology, Academic Coordinator: E.G. Fuller, Ph.D.

Radiologic Technology

Director and Assistant Professor: D. Akroyd; Instructor, Clinical Coordinator: G. Gleason; Medical Director and Adjunctive Associate Professor: David W. Ben- nett, M.D.

Respiratory Therapy

Director and Assistant Professor: Conrad Calby, Medical Director and Adjunctive Associate Professor: David K. Merrick, M.D.; Assistant Professor: M. Lehman; Instructors: Coffman, Phelps; Special Lecturers: Britton, Burger, Espeland, Gable, Merrick.

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH:

Adjunct Associate Professor: E. Edmundson
Special Lecturers: Edmundson, Heiskari.

DEPARTMENT OF NURSING

Chairman and Professor: Dr. JoAnn T. Volney; Medical Advisor and Adjunctive Associate Professor: C.C. Morgan, M.D.; Associate Degree Program Director and Assistant Professor: Beryl Smith; Baccalaureate Program Director and Professor: Dr. Charlotte B. Gae; Coordinator-Instructor BSU-Northwest Nazarene College Cooperative Nursing Program and Assistant Professor: Diana Obenauer; Coordinator of Nursing Continuing Education: Cummings; Professor: Miles; Associate Professors: Cox, Fleming, Kelly, Wicca; Assistant Professors: Bae, Buehler, Edgemon, Fountain, Hazelwood, Matson, Penner, Thomason; Instructors: Robert- son, Taylor, Clinical Lab Assistants: Rich, Spears, Wicks, Wimmer.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Medical Director and Adjunctive Associate Professor: M.M. Burkholler, M.D.; Dental Director and Adjunctive Associate Professor: Robert M. Gudmundsen, D.D.S.; Special Lecturers: Matthiae, Stuart, Terrill.

DEPARTMENT OF ALLIED HEALTH STUDIES

INTRODUCTION

In order to deliver the best health care possible, it is necessary that the physician and other members of the health care team be able to utilize the many complex and specialized tests, procedures and instruments which modern medical science has produced. This requires that persons must be trained to complement and support the physician in providing the best treatment for the patient. These other members of the health team are known as allied health personnel.

In 1967 the ratio of allied health personnel to physicians was approximately ten allied health people to one physician. The present ratio is approaching the projected ratio for the mid-seventies of twenty to twenty five per physician. It is clear that delivery of adequate and quality health care depends on the education of persons in technological specialties.

HEALTH SCIENCE STUDIES

BACHELOR OF SCIENCE

The bachelor of science degree in Health Science provides the curriculum whereby an individual may gain an education in the biological, physical, and health sciences to provide a foundation for additional professional or graduate work in several health science professions. This curriculum is designed to qualify the student for admission into hospital programs leading to certification as medical technologists. It is also recommended for students in pre-medical and pre-dental programs.

1. Requirements:

   English Composition ........................................ 6
   Area I requirements ........................................ 12
   Area II requirements ...................................... 12
   Math ......................................................... 10
   College Chemistry .......................................... 9
   Organic Chemistry with lab ................................ 10
   Biochemistry with lab ...................................... 4
   General Zoology .............................................. 4
   General Botany ................................................ 4
   Cell Biology .................................................... 3
   Bacteriology ................................................... 5
   Mammalian Physiology ....................................... 4
   Subtotal ...................................................... 83 credits

2. Electives (science) 6 courses

   General Physics (8) or Biophysics (4)
   Genetics (3)
   Histology (4)
   Quantitative Analysis with lab (5)
   Pathogenic Bacteriology (4)
   Cytology (4)
   Parasitology (3)
   Comparative Anatomy (4)
   Physical Chemistry (8)
   Subtotal ...................................................... 22-23 credits

3. Electives (Health Science) Minimum of three courses

   Health Delivery Systems (3)
   Legal Implications of Health Practice (3)
   Medical Terminology (3)
   Medical Economics and Finance (3)
   Preprofessional Internship (2)
   Public Health Administration (2)
   Subtotal ...................................................... 8-9 credits

Total ......................................................... 128 credits

MEDICAL TECHNOLOGY

BACHELOR OF SCIENCE PROGRAM

Medical Technology offers an excellent opportunity for those interested in science fields which relate to the medical laboratory. However, there is increasing demand for the limited space in the hospital training programs and it is essential that those interested in the profession be well versed in physical, biological and health sciences.

To this end, the School of Health Sciences offers the student two options. He/she may take three years of academic work (96 credits) in which he/she will complete the requirements of the college core as well as the basic science requirements set forth by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), an agency of the Council of Medical Education of the American Medical Association. The student may then apply for the one-year clinical program, and upon its successful completion will be eligible to write the examination for certification and also be eligible for a B.S. degree in Medical Technology.

The student may also complete the fourth year in a prescribed academic program to earn a B.S. in Health Sciences Studies. After completion of one year in an accredited hospital program he/she would be eligible for a second degree of a B.S. in Medical Technology.

Those BSU students who gain admission to an accredited hospital program and wish to have this experience counted for BSU credit must enroll in MT 491-2-3. A registration fee of one dollar per credit hour is required. This will provide the individual with student privileges such as access to university loans and scholarships, use of the library and gymnasium, etc.

Requirements for Medical Technology Major

1. Completion of basic core requirements:

   English Composition ........................................ 6
   Area I .......................................................... 12
   Area II .......................................................... 12

   Credits

   128
Math (M 111-112 or M 115-116) .................................................. 10
College Chemistry & lab ...................................................... 9
Organic Chemistry & lab ....................................................... 10
Biochemistry & lab .............................................................. 4
General Zoology ...................................................................... 4
General Botany ........................................................................ 4
Cell Biology ............................................................................ 3
Bacteriology ............................................................................ 5
Mammalian Physiology ............................................................ 4

2. Health Science, Science and Free Electives ......................... 13
Total ..................................................................................... 96

3. Senior Year - Clinical Class & Practice
A calendar year to be spent in St. Alphonsus Hospital or St.
Luke’s Hospital, Boise, Idaho, or in other hospitals, having
clinical programs approved and accredited by the NAACLS.

<table>
<thead>
<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td>MT 491-2-3 Hematology ................................................... 6</td>
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<tr>
<td>Clinical Bacteriology ...................................................... 8</td>
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<tr>
<td>Clinical Parasitology ...................................................... 1</td>
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<tr>
<td>Urinalysis ......................................................................... 1</td>
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<td>Clinical Chemistry .......................................................... 8</td>
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<td>Immunohematology .......................................................... 3</td>
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<td>Serology-Immunology ........................................................ 2</td>
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<td>Toxicology ......................................................................... 4</td>
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<td>Clinical Mycology ............................................................. 1</td>
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<tr>
<td>Clinical Correlations Seminar .......................................... 1</td>
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</tbody>
</table>

Total credits ........................................................................ 128

**MT MEDICAL TECHNOLOGY**

**201 Basic Medical Technology (2 credits)**: A survey course designed to introduce those students interested in Medical Technology to some of the basic aspects of theory and practice encountered in the profession. The course demonstrates the relationship of the University and Hospital programs in the development of knowledge and skills required in the field of medical technology. Fall semester.

491-2-3 Clinical Class and Practice (14-14-4 credits). Course requires 12 consecutive months of instruction in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Student spends approximately 40 hours a week in a laboratory practical. Six to eight hours a week, daytime, are set aside for reading assignments, lectures and examinations. Prerequisite: Acceptance by a hospital school accredited by the NAACLS. Fall, Spring, Summer semester.

**H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.**

**MEDICAL ASSISTANT**

*(Medical Secretary)*

The Medical Assistant will be prepared to function in either office or hospital setting. The program will provide knowledge and skills such as scheduling bookkeeping, filing, transcribing, and management of the record system. In addition, this program will provide knowledge and skills to enable the assistant to fulfill the role of contact between the patient and physician. These will include skills in communication, interpersonal relations, medical ethics and the legal aspects of patient care. Courses in behavioral science and humanities will enhance the Assistant's sensitivity to the special needs of the patient and his family. This program offers an Associate Degree.

**CURRICULUM**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>English Composition ....................</td>
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<tr>
<td>Business Mathematics/Machines ........</td>
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<tr>
<td>Anatomy &amp; Physiology ...................</td>
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<td>4</td>
</tr>
<tr>
<td>Beginning and Intermediate Typing ....</td>
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<tr>
<td>Beginning and Intermediate Shorthand</td>
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<tr>
<td>Medical Terminology ...................</td>
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<td>5</td>
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<tr>
<td>Electives ..................................</td>
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**SOPHOMORE YEAR:**

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<thead>
<tr>
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<tbody>
<tr>
<td>General Psychology .....................</td>
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</tr>
<tr>
<td>Advanced Shorthand .....................</td>
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<tr>
<td>Applied Business Communication .......</td>
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<tr>
<td>Introduction to Business ..............</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Records Preparation and Management ...</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Advanced Typewriting ...................</td>
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<td>Elective ...................................</td>
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<td>Administrative Office Procedures ......</td>
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<tr>
<td>Medical Office Orientation ............</td>
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<td>3</td>
</tr>
</tbody>
</table>

**For course descriptions see Part V of the catalog.**

**PREPROFESSIONAL CORE YEAR FOR ALLIED HEALTH:**

**MEDICAL RECORD SCIENCE (MR)**

**RADIOLOGIC TECHNOLOGY (RD)**

**RESPIRATORY THERAPY (RT)**

**REQUIREMENTS FOR ADMISSION**

**A. Preprofessional Core Year**

1. See University admission policy. page 2.

**B. Professional Program**

1. Only students who have completed or are in the process of completing the Allied Health core curriculum with a GPA of 2.00 or higher, will be considered for acceptance into the following Allied Health programs: Medical Record Science; Radiologic Technology; and Respiratory Therapy.

2. Health status must be adequate to insure successful performance of hospital activities.

**APPLICATION PROCESS**

**A. Preprofessional Core Year**

1. See University requirements.

**B. Professional Programs**

1. All student must fill out and return to the admissions office a “Special Programs Application for the Department of Allied Heath Studies” on or before April 1 of the year in which they plan to attend the professional program.

2. Applicants will be notified of their status by May 7. Due to the limited number of clinical sites, the various Allied Health programs can accept only a limited number of students each year.

**CORE CURRICULUM**

All students who are considering entry into one of these Allied Health programs must have completed or be in the process of completing the following core curriculum. Core curriculum need not be taken at BSU.

**PREPROFESSIONAL CORE YEAR:**

<table>
<thead>
<tr>
<th></th>
<th>1ST SEM.</th>
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</thead>
<tbody>
<tr>
<td>English ....................................</td>
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<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology (111, 112) ......</td>
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<tr>
<td>Chemistry (107, 109) ...................</td>
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<td>Chemistry (108, 110) ...................</td>
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<tr>
<td>Math (111 or 115) ........................</td>
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<td>1</td>
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<tr>
<td>Psychology ................................</td>
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<tr>
<td>Area I Elective ..........................</td>
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</table>

**PROMOTION AND GRADUATION**

**A. Professional Programs**

1. Students must maintain a GPA of at least 2.50 (in professional courses) for the first semester of the profes-
sional program. A GPA of less than the required may
constitute removal from the program.
2. A grade of less than a "C" in any professional theory
(numbered H, MR, RD, RT) or clinical unit must be re-
peated and raised to a "C" or higher before continuing
the program.
3. Students who have completed all course requirements
with a GPA of 2.35 or higher (during the professional
program) qualify for graduation.

Students transferring from other institutions may take this course in their first
year at BSU if a similar course has not been available at their previous college.

MEDICAL RECORD SCIENCE

Medical Record Technicians are qualified to work in any
health care agency where health records are prepared, analyzed,
and preserved. Areas of concentration include classifying
diseases and operations, analyzing records of discharged pa-
tients, compiling statistical information for administration and
research, transcribing medical reports, and abstracting data for
medical care evaluation studies. In addition, students receive
training in medical record departments of area health facilities.
Students are responsible for their own transportation from BSU
to the clinical agencies.

The program offers an Associate of Science degree and is
approved by the Council on Medical Education of the American
Medical Association in collaboration with the American Medical
Record Association.

Graduates of the program are eligible to write the national
accreditation examination and, upon successful completion of
this examination, are recognized as Accredited Record Tech-
nicians (ART).

Requirements for Admission, Application Process, Promotion
and Graduation, see preprofessional core year for Allied Health.

CURRICULUM

First year - Preprofessional Core, described at beginning of
this section.

Before being accepted into the professional year of the
Medical Record Technician program, applicants must have
finished beginning and intermediate typing, or demonstrate a
typing speed of 45 words per minute.

<table>
<thead>
<tr>
<th>PROFESSIONAL YEAR:</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Medical Terminology (H 101)</td>
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<td>Medical Records I</td>
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<tr>
<td>Health Delivery Systems (H 302)</td>
<td>3</td>
<td>—</td>
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<tr>
<td>Health Data</td>
<td>2</td>
<td>—</td>
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<tr>
<td>Disease and Operative Classification</td>
<td>2</td>
<td>—</td>
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<tr>
<td>Introduction to Disease</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Conditions (H203)</td>
<td>—</td>
<td>5</td>
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<tr>
<td>Medical Records II</td>
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<td>3</td>
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<tr>
<td>Legal Implications of Health Practice (H 407)</td>
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<td>3</td>
</tr>
<tr>
<td>Health Record Transcription</td>
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<tr>
<td>Introduction to Data Processing</td>
<td>—</td>
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</tr>
</tbody>
</table>

After successful completion of the professional year at BSU,
students will have a four week period of directed practice in one
of several affiliated health facilities. (MR 215).

COURSES

MR MEDICAL RECORDS

210-211 Advanced Medical Record Science (5 credits). More detailed coding and
indexing of medical records, outpatient department records. Medicare, cancer
registry, and methods of record keeping in nursing homes or extended care facilities.
Provides 12 hours of directed practice. Prerequisite: MR 110-111, 160.
Second year.

201, 202 Medical Records I - 3 credit lecture (MR 201), 2 credit lab (MR 202), must
be taken concurrently. Principles of medical record technology, including the
preparation, analysis, preservation and retrieval of health information. The value of
this information to the patient, the doctor, and the community will be stressed.
Prerequisite: Preprofessional core year, or permission of instructor. Fall semester, 1978.

203, 204 Medical Records II - 3 credit lecture (MR 203). 2 credit lab (MR 204)
must be taken concurrently. Medical records in a variety of health care facilities,
release of information, medical staff organization, and requirements and survey
procedures of licensing and accrediting agencies. Medicare law and other federal
regulations will be presented. Students will be introduced to the basic principles of
supervising and managing a medical record department. Prerequisite: MR 201, 202.
Spring semester, 1979.

205 Health Data (2 credits). Collection and presentation of routine data for daily,
monthly, and yearly hospital statistical reports. Statistical formulas, preparation of
birth certificates, and abstracting information for computerized data processing
systems will be included. Prerequisite: MR 201, 202, or concurrent enrollment. Fall

207 Disease and Operative Classification (2 credits). Principles and practice in
coding of diseases and operations according to International Classification of
Diseases. Other systems of coding will be presented, as well as methods of indexing
diagnoses and operations. Prerequisite: Concurrent enrollment in MR 201, 202 or
permission of instructor. Fall semester, 1978.

209 Health Record Transcription (2 credits). Four hours per week of practice in the
machine transcription of histories, physical examinations, operations, and other
medical reports. Accuracy of terminology and typing will be stressed. Prerequisite: H

215 Clinical Practice (4 credits). During the summer following the second year,
providing all other program requirements have been completed, the students will
spend four weeks (160 hours) in medical record departments of affiliated health
facilities demonstrating their proficiency in the various areas of medical record
technology. Prerequisite: Completion of all other program requirements. Summer
only.

NOTES: MR 210-211 to appear in 77-78 catalog for benef-
fits of students who will be in their second year of the current program. MR 210-211 to be retired at the end of 77-78 acade-
ic year.

H GENERAL HEALTH SCIENCE courses are described in
Community and Environmental Health Section.

RADIOLOGIC TECHNOLOGY

To determine the presence of injury or disease, radiologic technologists position pa-
tients 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 School of Health
Sciences offers a curriculum utilizing both university and clinical components. This type of integrated program is needed in order
for the students to gain the essential knowledge and skills
required to become radiologic technologists.

The program has been developed to meet the standards as
defined in the Joint Review Committee on Education in Radio-
logic Technology, whose sponsoring organizations are the
American Society of Radiologic Technologists and the American
College of Radiology. The curriculum will enable the student to
complete his associate degree requirements and be eligible for
the national certification examination. If desired, he may con-
tinue on to the baccalaureate degree. *

Requirements for Admission, Application Process, Promo-
tion and Graduation. See preprofessional core year for Allied
Health.

CURRICULUM

Preprofessional Core year for Allied Health. See description at beginning of this section.

FIRST PROFESSIONAL YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Clinical Practicum</td>
<td>1</td>
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<tr>
<td>Radiographic Technique &amp; Control</td>
<td>3</td>
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<tr>
<td>Radiographic Physics</td>
<td>2</td>
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<tr>
<td>Area II Elective</td>
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<tr>
<td>Intro to Radiologic Science</td>
<td>2</td>
</tr>
<tr>
<td>Intro to Clinical Experience</td>
<td>1</td>
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<tr>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>Radiographic Positioning II</td>
<td>—</td>
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<tr>
<td>Clinical Experience</td>
<td>—</td>
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<td>Area I Elective</td>
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</table>

18 15
### COURSES

#### RD RADIOLOGIC TECHNOLOGY

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<thead>
<tr>
<th>COURSE NAME</th>
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<tr>
<td>211 Clinical Practicum</td>
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<tr>
<td>222 Radiographic Positioning</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>226 Radiographic Technique and Control</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>232 Introduction to Radiologic Science</td>
<td>3</td>
<td>3</td>
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<tr>
<td>236 Introduction to Clinical Experience</td>
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<td>1</td>
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<tr>
<td>242 Radiographic Positioning</td>
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<td>3</td>
</tr>
<tr>
<td>252 Radiographic Technique and Control</td>
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<tr>
<td>261 Clinical Practicum</td>
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<td>262 Radiographic Positioning</td>
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<tr>
<td>263 Radiographic Technique and Control</td>
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<td>311 Clinical Practicum</td>
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<td>316 Radiographic Positioning</td>
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<tr>
<td>Radiologic Technology Clinical Experience</td>
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<td>General Pathology</td>
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<td>Emergency Procedures in Respiratory Care</td>
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<td>Area I or II Elective</td>
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<td>Intro. to Biophysics</td>
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<td>Microbiology</td>
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<td>Upper Division</td>
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<td>311 Clinical Practicum</td>
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<td>316 Radiographic Positioning</td>
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<td>350 Medical and Surgical Diseases</td>
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<td>360 Special Radiographic Procedures</td>
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</tr>
<tr>
<td>H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.</td>
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<td></td>
</tr>
</tbody>
</table>

### RESPIRATORY THERAPY

Respiratory Therapy is an allied health specialty which is concerned with the treatment, management, control and care of the patient's process of breathing. The Respiratory Therapist is a specialist in the use of therapeutic and evaluation techniques in respiratory care.

The Respiratory Therapy program at Boise State consists of a three-year course of study leading to an Associate of Science degree in Respiratory Therapy. The program is accredited by the American Medical Association.

The program consists of a pre-professional year followed by two years of professional study. Receipt of the Associate of Science degree qualifies the student academically for the examination of the American Registry of Respiratory Therapists, which is the professional designation.

Requirements for Admission, Application Process, Promotion and Graduation, see preprofessional core year for Allied Health.

### CURRICULUM

Preprofessional Core Year for Allied Health as described at the beginning of this section.

#### FIRST PROFESSIONAL YEAR:

<table>
<thead>
<tr>
<th>COURSE NAME</th>
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<tbody>
<tr>
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<td>Respiratory Therapy Lab. I</td>
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<td>Respiratory Therapy Lab. II</td>
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<td>Clinical Practicum I</td>
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<td>Clinical Practicum II</td>
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<tr>
<td>Cardiopulmonary Physiology</td>
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<tr>
<td>Respiratory Therapy Nursing Arts</td>
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<td>General Pathology</td>
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<td>Upper Division</td>
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<tr>
<td>311 Clinical Practicum</td>
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<tr>
<td>316 Radiographic Positioning</td>
<td>3</td>
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</tr>
<tr>
<td>320 Radiographic Positioning</td>
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</tr>
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<td>350 Medical and Surgical Diseases</td>
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#### SECOND PROFESSIONAL YEAR:

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<td>Respiratory Therapy Theory IV</td>
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<td>Respiratory Therapy Lab. IV</td>
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<tr>
<td>Clinical Practicum III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Clinical Practicum IV</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Radiologic Studies of the Respiratory System</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pulmonary Medicine II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Respiratory Cardiology</td>
<td>2</td>
<td></td>
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<tr>
<td>Professional Seminar</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Principles of Pharmacotherapeutics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Principles of Pharmacotherapeutics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### COURSES

#### RT RESPIRATORY THERAPY

201 Respiratory Therapy Cardiopulmonary Physiology (4 credits). Study of the normal physiological functions of the pulmonary and circulatory systems. Prerequisite: admission to Respiratory Therapy Program or consent of instructor. Fall, 1978.

203 Respiratory Therapy Theory I (2 credits). Study of medical gas therapy to include clinical gases, gas mixture and various equipment. Theory and technique of aerosol and humidification therapy. Introduction to infection control and cardiopulmonary resuscitation. Prerequisite: admission to Respiratory Therapy Program. Fall, 1978.
DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH

INTRODUCTION
Studies in this department will consider general aspects of human health which are determined or are contingent on personal, social and environmental action or interaction. The assessment of personal health status, the relationships between personal and community health, the ecological perspective of personal health, the concept of community health, the providers of health care and the existing and potential health care delivery systems, are all important elements for consideration.

The Community and Environmental Health Scientist is needed to satisfy the demand for trained personnel in such areas as public health, environmental pollution control, food inspection, and in teaching and administration. These experts may find employment in federal, state and local agencies. There is also an increasing demand in private industry and in teaching institutions for individuals with this training.

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR

Bachelor of Science

A. General Requirements (8 credits) 6
   English Composition

B. Area I Requirements (12 credits) 12
   Electives

C. Area II Requirements (12 credits) 3
   Sociology
   Electives 3

D. Science Requirements (69 credits) 9
   College Chemistry
   Elementary Organic Chemistry 6
   Math 115-116 10
   General Physics
   Botany/Zoology 8
   General Bacteriology 5
   Entomology 4
   Pathogenic Bacteriology 4
   Food Microbiology 4
   Biocology 4
   Mammalian Physiology 4

E. Health Science Requirements (19 credits) 6
   Environmental Management
   Public Health Field Training
   Public Health Administration 2
   Environmental Health Legislation 2

F. Electives (15 credits)
   Suggested Electives
   Principles of Data Processing
   Principles of Economics
   Speech
   State and Local Government
   Federal Government
   General Parasitology

ENVIRONMENTAL HEALTH
(Suggested Program)
Bachelor of Science

FRESHMAN YEAR:

1ST SEM. 2ND SEM.

English Composition 3 3
College Chemistry 4 5
Math 115-116 5 5
Math 105-106 or Math 111-112 5 5
Man and his Environment 3 3
Area I Electives 9 9

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.

Botany (B 130) 4 4
Zoology (Z 130) 3 3
Elementary Organic Chemistry 3 3
Area I Electives 3 3
Area II Electives 3 3
Psychology 3 3

JUNIOR YEAR:

1ST SEM. 2ND SEM.

General Bacteriology 5 5
Pathogenic Bacteriology 4 4
Entomology 4 4
General Physics
Environmental Management 3 3
Area I Electives 3 3
Area II Electives 3 3

16 17
Senior Year:

Students to the various Allied Health disciplines and their clinical functions. Also for each discipline in the health industry. In addition to discussion by the various sections of the law. Prerequisite: Consent of instructor, Fall semester.

435 Environmental Health Legislation: Designed to allow the student to working knowledge of environmental legislation, the implementation and enforcement of said laws and specific duties of the employee regarding selected sections of the law. Prerequisite: Consent of instructor. Fall semester.

COURSES

EH ENVIRONMENTAL HEALTH

301-302 Environmental Management (3 credits). Designed to provide a working knowledge of environmental management practices with special emphasis on health. First semester: Community environmental problems such as food and milk protection, drinking water, swimming pools, water pollution, and solid waste management are studied. Second semester: continuation of community problems related to air quality, radiation control, insect and rodent control and environmental health hazards, etc. Prerequisite: Upper division standing.

350 Public Health Field Training (8 credits). Study of actual public health problems, code, compliance, recording procedures, degrading procedure, etc. Prerequisite: Environmental Sanitation. Summer semester.

435 Environmental Health Legislation (2 credits). Designed to allow the student to working knowledge of environmental legislation, the implementation and enforcement of said laws and specific duties of the employee regarding selected sections of the law. Prerequisite: Consent of instructor. Fall semester.

H HEALTH SCIENCES

100 Introduction to Allied Health (1 credit). This course is designed to introduce students to the various Allied Health disciplines and their clinical functions. Also discussed are the basic educational requirements, opportunities, and advancements for each discipline in the health industry. In addition to discussion by the various Allied Health faculty, guest speakers from the medical community will relate to the various health disciplines in the area. An important area of the course is orientation to Allied Health in the clinical facilities.

101 Medical Terminology (3 credits). An introduction to Greek and Latin prefixes, roots, and suffixes used in medical terminology, as well as in the study of anatomical, physiological and pathological terms according to systems of the body. Recommended as a beginning course for those with little or no biology background. Both semesters.

203 Introduction to Disease Conditions (3 credits). Introduction to the study of diseases, with emphasis on the terminology used in describing causes of diseases, diagnostic measures, operations, and pathology. Prerequisite: H 101. Spring semester.

Upper Division

300 Pathophysiology (4 credits). Physical and chemical principles of living regulatory systems are explored with application to human physiological states of health and illness. Prerequisites: C 107-108, 109-110, or equivalent. Z 111-112 or equivalent. Either semester.

301 Principles of Pharmacotherapy (3 credits). Principles, practical uses and interactions of drugs and their relation to the diseases they treat. Prerequisites: C 107-108, 109-110, or equivalent. Z 111-112 or equivalent or permission of instructor. Either semester.

302 Health Delivery Systems (3 credits). Reform - informal health delivery systems will be studied. Organization, functional effectiveness and indications for change in the health care systems will be emphasized. Fall and Spring semesters.

304 Public Health Administration (2 credits). Organization, administration and functions of the various health agencies. Summer semester.

306 Sensitization for Role Change (2 credits). This seminar focuses on student experiences involving professional role confusion - conflict and change. Theoretical concepts are derived from these experiences and readings. Prerequisites: Departmental permission. Fall and Spring semesters.

310 Methods in Clinical Laboratory Science (3 credits). An interdisciplinary course designed to advance the student's understanding and utilization of basic laboratory procedures employed in a clinical primary care setting. The clinical significance of the tests in relationship to disease processes will be stressed. Lecture and clinical practice in a laboratory setting are provided to ensure that students learn accurate techniques and are clinically competent to perform and interpret selected laboratory procedures. Prerequisites: Pathophysiology and Departmental permission. Spring semester.

405 Medical Economics and Finance (3 credits). An introductory course to the economics and financing of health care and health care agencies. Spring and Fall semesters.

DEPARTMENT OF NURSING

INTRODUCTION

The Boise State University Department of Nursing operates as an integral unit of the total university. Students enrolled in nursing attend classes and socialize with students in various other fields of study on campus.

The department conducts a two-year, lower-division curriculum leading to an Associate of Science in Nursing degree. This program prepares students to write the State Board Test Pool Examination for initial licensure as a registered nurse. The Department also offers a two-year upper-division curriculum for R.N.'s to continue academic study and to obtain a Bachelor of Science in Nursing degree.

PHILOSOPHY

The current system of health care delivery requires associate as well as baccalaureate degree prepared practitioners of nursing. Each of these two groups contributes to meeting the nursing and health care needs of man. The associate degree prepared nurse functions primarily in a dependent role while the baccalaureate prepared nurse functions primarily in an independent role. Both levels of nursing personnel function as interdependent members of the health care team.

It is recognized that a number of graduates from diploma and associate degree programs in nursing do change career goals. Therefore, a baccalaureate level education program in nursing is deemed essential to support this change in career goals. The baccalaureate nursing curriculum should encompass the knowledge and skills essential for baccalaureate level nursing practice as well as provide options for nursing electives.

LOWER-DIVISION ASSOCIATE DEGREE

DESCRIPTION

This program prepares individuals to function at a beginning level in giving direct care to patients. Nursing courses include theory and practice. In the practice component of each nursing course, one credit hour represents four hours of clinical and/or laboratory time. Each week there is an average number of twelve clinical practice hours during the freshman year and sixteen hours during the sophomore year. These hours may be scheduled days, afternoons or evenings. Clinical experience is obtained in a wide variety of health care agencies.

The standard for advancement in the program is a 2.75 G.P.A. or above. A minimum acceptable grade is C in all nursing and support courses.

The program is accredited by the Idaho Board of Nursing and the National League for Nursing. A graduate is eligible to write the State Board Examination for licensure as a registered nurse.

PHILOSOPHY

The associate degree prepared nurse practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum should include courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Indentified basic
SCHOOL OF HEALTH SCIENCES
Nursing

Health needs are used to select content for nursing courses. A planned program of clinical practicum and instruction in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

It is recognized that students vary widely with respect to age and life experiences. Therefore, a program of student advisement implemented by the faculty is essential in assisting students to meet their career goals.

ADMISSION

Admission for students entering the associate degree nursing program as freshmen is limited to the Fall Semester.

Requirements:
Applicants must meet the general university requirements as well as the stated requirement for the associate degree nursing program in one of the four categories listed below:

1. High school graduates will be considered for admission on the basis of ACT or SAT scores.
   - ACT: A composite standard score of not less than 20, plus a 70th percentile rating.
   - SAT: Total score of 888 and a G.P.A. of 2.75 or above at the completion of the 7th semester of high school.

2. College students who have earned a minimum of 12 semester college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.75 G.P.A. or better.

3. Transfer students from other schools of nursing to the associate degree nursing program at Boise State University are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in items 1 and 2 above.

4. Applicants who have previous education and/or experience in nursing must:
   a. Submit records verifying previous education and/or experience.
   b. Submit a letter from their own employer indicating a minimum of one-year’s experience in nursing.
   c. Submit evidence of current licensure, if a practical nurse.
   d. Present evidence of 2.75 G.P.A. on all college studies completed.

In addition, applicants in group 4 may apply to write challenge examinations for freshman nursing credit. Through these examinations, the applicant may earn one or two semesters of freshman nursing credit. If the applicant passes challenge examinations, the general education requirements of the freshman year must be completed with a G.P.A. of 2.75 or above before entering sophomore nursing courses.

Individuals who are interested in the challenge program are to make an appointment with the Associate Degree Nursing Program Director for further information.

The number of students admitted each year is limited by the availability of personnel and clinical resources.

All applicants admitted to the nursing program are required to:
1. Submit a medical questionnaire and a chest x-ray to the Student Health Center by August 1 of the year in which they plan to enter the program.
2. Purchase a Boise State University student nursing uniform.
3. Submit $25.00 at Fall registration yearly as prepayment for student name pin, malpractice insurance, and standardized National League for Nursing examinations which are required of all students throughout the program.

APPLICATION PROCESS
1. Make application for admission to Boise State University and the Department of Nursing, Associate of Science in Nursing degree program. Both application forms are available from the Admissions Office in the Administration Building, Room 100.
2. Submit an official high school transcript or G.E.D. test score, A.C.T. or S.A.T. scores, and official transcripts of all previous college work. L.P.N.'s must also submit evidence of current licensure. These must be received by the Admissions Office prior to March 1.
3. Complete all application requirements during the period of September 1 to March 1 prior to date of anticipated enrollment in nursing courses.

CURRICULUM

A. General Education Requirements:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry*</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy and Physiology*</td>
<td>8</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Nutrition*</td>
<td>3</td>
</tr>
<tr>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>31</td>
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</tbody>
</table>

B. Nursing Major:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Health Needs*</td>
<td>12</td>
</tr>
<tr>
<td>Deviations from Basic Health</td>
<td>16</td>
</tr>
<tr>
<td>Nursing Seminar</td>
<td>2</td>
</tr>
<tr>
<td>Total Credits</td>
<td>30</td>
</tr>
</tbody>
</table>

C. Area I or II Electives**                 | 3      |

Total Credits                               | 64     |

SUGGESTED CURRICULUM***

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Chemistry (C 107-108)*</td>
<td>4 or 4</td>
<td></td>
</tr>
<tr>
<td>General Psychology</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Nutrition*</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology</td>
<td>4 or 4</td>
<td></td>
</tr>
<tr>
<td>Basic Health Needs*</td>
<td>6 or 6</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>17 or 16</td>
<td></td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td>4 or 4</td>
<td></td>
</tr>
<tr>
<td>Sociology (Introduction)</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Area I or II Electives II</td>
<td>3 or 3</td>
<td></td>
</tr>
<tr>
<td>Deviations from Basic Health</td>
<td>8 or 8</td>
<td></td>
</tr>
<tr>
<td>Nursing Seminar</td>
<td>1 or 1</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>16 or 15</td>
<td></td>
</tr>
</tbody>
</table>

* Must be completed before entering sophomore year nursing courses.
** See BSU Bulletin requirements for B.S. Degree. Students who plan to continue for a baccalaureate degree in nursing should see their advisor for general education requirements. Students may choose to complete general education requirements prior to admission to the nursing major and/or during summer sessions.
*** Nursing courses may be completed in four semesters by taking 15-17 credits per semester.

N NURSING

140-141 Introduction to Basic Health Needs 2 credit lecture, 1 credit lab. 8 week unit. Introduces nursing process and seven basic health needs for oxygen, nutrition, elimination, activity, mental health, safety and comfort, as a basis for providing nursing care. Opportunity is provided to develop beginning skills. Prerequisite: Admission to the Nursing major. Fall semester.
SCHOOL OF HEALTH SCIENCES
Nursing

150-161, 180-161, 170-171 Basic Health Needs 2 credit lecture, 1 credit lab. 8 week unit. Nursing process is utilized to meet basic health needs as related to health care of persons of all ages in the community, in hospitals, and health agencies. Opportunity is provided to develop skills in providing nursing care. Prerequisite: N 140-141. May be taken in any sequence, both semesters.

220-221 Deviations from Basic Health 2 credit lecture, 2 credit lab. Utilizes nursing process to present deviations from basic health with emphasis on mental health - mental illness considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the mental health unit and community health agencies. Prerequisites: Core courses of the first year nursing curriculum. Offered both semesters.

230-231 Deviations from Basic Health 2 credit lecture, 2 credit lab. Utilizes nursing process to present deviations from basic health with emphasis on oxygen needs for persons of all ages. The student has the opportunity to develop skills in the medical-surgical areas with specific reference to psychophysiological assessment and nursing care planning for patients with oxygen deficiency. Prerequisites: Core courses of the first year nursing curriculum. Offered both semesters.

240-241 Deviations from Basic Health 2 credit lecture, 2 credit lab. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for nutrition and elimination considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the pediatric and medical-surgical areas. Prerequisites: Core courses of the first year nursing curriculum. Offered both semesters.

250-251 Deviations from Basic Health 2 credit lecture, 2 credit lab. Utilizes present deviations from basic health with emphasis on the basic need for activity considering persons of all ages. The student has the opportunity to develop skills in nursing care of patients in the medical-surgical and rehabilitation areas. Prerequisites: Core courses of the first year of the nursing curriculum. Offered both semesters.

280-290 Nursing (1 credit per semester). Philosophy of health care and the role of the graduate as a registered nurse. Legal implications and other factors affecting nursing practice are discussed. Prerequisites: Core courses of the first year nursing curriculum. N 280-Fall Semester. N 290-Spring Semester.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health section.

UPPER-DIVISION BACCALAUREATE DEGREE
DESCRIPTION
This program has two major purposes:

1. To enable registered nurses to earn the baccalaureate degree with a major in nursing, thereby meeting needs of consumers for baccalaureate-prepared nurses in the health care delivery system.

2. To provide the base for graduate study in nursing.

Admission to this program is limited to registered nurses graduated from associate degree or diploma schools of nursing who meet admission requirements. In addition to completing their degree, students also concentrate their study in one of three specific areas — Acute Care Nursing, Family Nurse Practice, or Leadership in Nursing.

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. Students completing the Family Nurse Practice or Acute Care options will be eligible to apply for certification to the State Board of Nursing following graduation. The B.S.N. program is approved by the Idaho State Board of Nursing and accreditation by the National League for Nursing will be sought in 1978.

Enrollment is regulated according to available faculty, clinical facilities and other resources. Students are asked to declare their intended area of concentration upon application; however, progression to the senior options depends upon resources available and the student’s achievement. A minimum G.P.A. of 2.75 is required. The minimum acceptable grade is C in nursing and support courses.

Students may attend either full time or part time. The student who carries 16-18 credits per semester should be able to complete the program in two years. In order to protect their enrollment in the baccalaureate nursing program, part time students are subject to some regulations:

1) they must complete degree requirements within four years from the initial enrollment in 300 level nursing courses; 2) they must maintain continuous enrollment in fall and spring semesters unless a waiver has been granted for a specific period of time and, 3) they must complete all nursing courses in the senior area of concentration within one continuous year unless a waiver has been granted. These regulations are designed to protect the student from losing credit as a result of changes in curriculum and/or academic regulations.

PHILOSOPHY OF THE B.S.N. PROGRAM
The baccalaureate-prepared nurse promotes health and also provides preventive, curative, supportive and restorative health care to individuals, families, and groups in a wide variety of social settings by utilizing the nursing process. Nursing at this level is a complex interpersonal process directed towards identifying and meeting health care needs and making decisions about health care delivery. These processes require the nurse to assess and manage complex communication with other health care workers as well as with individuals, families, and groups being served.

The baccalaureate nursing curriculum has an interdisciplinary base in the humanities, natural and social sciences as well as in nursing knowledge. These disciplines contribute to the concepts utilized in professional nursing practice. In recognition of the fact that students are registered nurses who have changed their career goals, the nursing curriculum has two components 1) a core of nursing and support courses which prepare the nurse for baccalaureate level nursing practice; and 2) an option to concentrate nursing electives in a selected area of professional practice.

With this type of curriculum we are servicing a student population whose educational needs are not specifically addressed by any other institution of higher education in the state. We believe therefore, that our program has the potential for significantly improving health care services in this state.

ADMISSION AND APPLICATION
To qualify for admission the candidate must:

1. Possess current licensure as a registered nurse and have obtained Idaho licensure prior to enrollment in upper division nursing courses.

2. Have maintained a minimum G.P.A. of 2.75 in 33-37 semester credits in general education courses, including the following:* 
   a. 3 credits each — Behavioral science, microbiology, nutrition;
   b. 6 credits each — in English composition and in humanities;
   c. 6-8 credits — Human anatomy and physiology;
   d. 6-8 credits — Chemistry (including both organic and inorganic with bio-chemistry also recommended)

3. Have achieved a minimum 2.75 in 30 semester credits in lower division nursing by:*
   a. Having graduated from a NLN accredited associate degree program.

   OR

   b. Earning these academic credits by special evaluation procedures. Instructions are available from the Department of Nursing.

4. Although a specified period of work experience is not required, applicants are strongly advised to have at least one year of nursing practice within the two years preceding anticipated enrollment.

To apply for admission the candidate must:

1. Request from the Admission Office at Boise State University an application form to the University (if not previously enrolled there) and the special application form for the B.S.N. program.

2. Complete both forms and return to the Admissions Office prior to March 1. Transcripts must also be submitted by this deadline. Since these may take from 6 to 8 weeks for processing, students are advised to request them in sufficient time to insure their receipt at B.S.U. by the March 1 deadline. Graduates of diploma or non-NLN accredited associate degree programs must also have established their lower division nursing credits by then.

Applications are reviewed during March and April. Candi-
SCHOOL OF HEALTH SCIENCES  
Preprofessional Studies

dates will be notified early in May. Successful candidates are asked to return a form accepting enrollment. Failure to do this by the indicated date will result in removal of the candidate’s name from the listing of accepted students.

Brochures and further information can be obtained by writing to:

Baccalaureate Program in Nursing
Boise State University
1910 University Drive
Boise, ID 83725

THE CURRICULUM

The nursing major is divided into two portions — a 16 credit core curriculum taken by all students and a 16 credit elective option. The three options are Acute Care Nursing, Family Practice, and Leadership in Nursing. There are also 15 credits of required electives in health sciences and management.

Students take most of the core courses in nursing and the required electives during the junior year. For the senior year, they complete the nursing core and required electives, and take the 16 credit option which they have chosen as their nursing elective. Remaining credits for the degree are given over to general education electives.

A sample program is illustrated below:

JUNIOR YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*N 306-307 Prof. Interactions</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>*N 310-313 Community Health Nursing</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>**H 300 Pathophysiology</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>**H 302 Health Del. Systems</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Electives at option of students' choice</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>*N 316-317 Health Assessment</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>*N 324-325 Critical Care Nursing</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>**H 210 Prin. of Pharmaco-</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>therapeutics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**MG 301 **Prin. of Management</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>TOTALS</td>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>

SENIOR YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Nursing Research</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Nursing Electives (individual option)</td>
<td>8 or 9</td>
<td>7 or 8</td>
</tr>
<tr>
<td>Electives at option of students' choice</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>**H 305 Role Sensitization</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>TOTALS</td>
<td>14-15</td>
<td>15-16</td>
</tr>
</tbody>
</table>

*Core Course in Nursing Major  
**Required Support Course

COURSES

NURSING

Upper Division

300 Concepts and Skills of Community Health Nursing (3 credits). The primary focus of this course is in community health nursing is the use of nursing processes in family and community settings with emphasis on the psychosocial aspect of individual/family/community health. The course is designed to assist nurses in application of course content to daily work in community health settings as a means of improving the quality of health services. Prerequisites: The student must be a registered nurse with access to a community health setting or permission of the instructor. This course is offered regularly by correspondence, but may be offered as a regular semester offering on demand. Either semester.

306 Professional Interactions (2 credits). Theory and simulated laboratory experiences with video-taping, designed to enhance communication skills essential for nursing practice. First half directed toward one-to-one communication; second half focuses on group process and communications involving more than two individuals in common practice settings. Fall semester.

307 Professional Interactions Practicum (1 credit). To be taken with N 306. Fall semester.

310 Community Health Nursing (2 credits). Primary focus on use of nursing process in family and community settings with emphasis on psycho-social aspects of individual/family/community group health. Designed to assist nurses in application of course content to nursing practice in community health settings as a means of improving the quality of health services. Community settings include homes, clinics, out-patient departments, group classes and elementary through high school nursing services. Prerequisite or concurrent enrollment in N 306-307. Fall/Spring semester.

311 Community Health Practicum (2 credits). To be taken with N 310 Fall/Spring semesters.

316 Health Assessment (1 credit). Principles and skills of obtaining health and developmental history, and of performing a general physical/psycho-social assessment of individuals. Practice in using assessment tools and in differentiating normal from abnormal findings. To be taken with N 324-325. Prerequisite or concurrent enrollment in N 306-307 and H 300. Fall/Spring semesters.

317 Health Assessment Practicum (2 credits). To be taken with N 316 Fall/Spring semesters.

324 Critical Care Nursing (1 credit). Application of nursing process in care of hospitalized patients in severe psychophysiological stress who face major changes in life style, including the possibility of death. Encompasses counseling patients' families, and planning with other health care workers for coordination and continuity of patients' care. To be taken with N 316-317. Prerequisites or concurrent enrollment in N 306-307 and H 300 Fall/Spring semesters.

325 Critical Care Practicum (2 credits). To be taken with N 324 Fall/Spring semesters.

SENIOR YEAR

Course numbers, titles and credits for the senior year courses are not available at the time of the bulletin printing; however, they will be available in the spring of 1977 from the Baccalaureate Nursing Program Director's office.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health section.

DEPARTMENT OF PREPROFESSIONAL STUDIES

INTRODUCTION

The Preprofessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the health sciences and who have declared a major in pre-medicine, pre-dentistry, pre-dental hygiene, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-veterinary medicine, etc. In view of the specialized nature of each program, each student should seek counsel regularly from the particular advisor who has been designated for his or her major field of interest.

Students who will be making application for professional school should be aware that certain materials must be submitted and admissions examinations taken before deadlines which are established by the several professions. Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, and the Graduate Record Examination for veterinary medicine schools, must be taken at specific times. These examinations may or may not be administered on BSU campus. The deadlines change from year to year. It is the responsibility of the student to ascertain from his/her advisor the specific deadlines which pertain to the application process, admission testing, and the fees involved for the particular program.

CLINICAL

In addition to their academic course work the Preprofessional Studies students have opportunities and are encouraged to work and observe at first hand the practice and delivery of health care in a clinical environment.

PREPROFESSIONAL INTERNSHIP

Selected students in their third of fourth year may register for an internship of two credits per semester. These students will work and study in a clinical environment with a practicing physician, dentist, veterinarian, etc.
HOSPITAL LEARNING-VOLUNTEERS

Students may be identified as special volunteers. The hospital will endeavor to rotate each volunteer through various departments of the hospital in which they will perform their volunteer service. These students must be majors in the School of Health Sciences and be certified to the hospital by the Dean.

REQUIREMENTS FOR PRE-MEDICAL AND PRE-DENTAL STUDIES

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*Other Pre-Professional Studies majors should consult the faculty advisor designated for the particular field of interest.

**Additional upper division credits so that upper division credits total at least 40.

(Suggested Programs)

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**CHEMISTRY OPTION**

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127
SCHOOL OF HEALTH SCIENCES
Preprofessional Studies

FRESHMAN YEAR:
- English
- Anatomy and Physiology
- Chemistry (107, 109)
- Chemistry (108, 110)
- Math (111 or 115)
- Introduction to Allied Health
- Area I Elective

SOPHOMORE YEAR:
- Speech
- Zoology (130)
- Biology (225)
- Sociology
- Psychology
- Microbiology (205)
- Area I Elective
- Nutrition
- Math

PRE-DENTAL HYGIENE
This curriculum is designed for students interested in a professional career in dental hygiene. This particular program is designed for students planning to enroll in the dental hygiene program as sophomore or junior students at Idaho State University. The dental hygiene curriculum leads to either a Bachelor of Science or Bachelor of Arts Degree in Dental Hygiene. Those students who plan to enroll are advised to see their advisor and pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.

PRE-VETERINARY MEDICINE
(3rd Year)
This curriculum is designed for students interested in a professional career in physical therapy. Before the freshman year is finished, the student should see the Physical Therapy advisor to pattern the sophomore year according to the requirements of the school he/she is planning to attend.

PRE-VETERINARY MEDICINE
A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho under which fifteen Idaho residents each year are guaranteed admission to the WSU School of Veterinary Medicine. For those Idaho residents planning 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.

Requirements for Pre-Veterinary Medical Studies
1. General College and Baccalaureate Degree Requirements
   - English Composition
   - Area I Requirements
   - Area II Requirements

In addition to the typical curriculum, as outlined below, the student must maintain a minimum grade point average of 3.00; submit scores from the general aptitude section and advanced test biology section of the Graduate Record Examination; and must record a minimum of 300 hours of veterinary medical exposure while employed by or doing volunteer work for a graduate veterinarian.

Requirements for Pre-Veterinary Medical Studies
1. General College and Baccalaureate
   - Degree Requirements
   - English Composition
   - Area I Requirements
   - Area II Requirements
SCHOOL OF HEALTH SCIENCES  
Preprofessional Studies

2. Biology Requirements .......................... 19-20
   General Botany ................................. 4
   General Zoology ................................. 4
   Cell Biology ...................................... 3
   Bacteriology ...................................... 5
   Genetics .......................................... 3-4

3. Chemistry Requirements ....................... 19
   College Chemistry .............................. 9
   Organic Chemistry ................................ 10

4. Mathematics & Physics Requirements ........... 18
   Mathematics 111-112 or 115-116 .................. 10
   General Physics ................................... 8

5. Nutrition ........................................ 3


SUGGESTED PROGRAM

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COURSES

H HEALTH SCIENCES

For H Health Sciences courses see Community and Environmental Health Section.
PART VIII

Graduate School

Dean: Kenneth M. Hollenbaugh, Ph.D.
Graduate Program Coordinators

Business:
Associate Dean, School of Business: J.G. Doss, Ph.D.

Education:
Associate Dean, School of Education: Clyde Martin, Ed.D.

Public Administration:
Chairman, Political Science Department: W.G. Overgaard, Ph.D.

PROGRAMS

Boise State University offers the graduate degrees of Master of Business Administration, Master of Arts in Elementary Education, Master of Arts and Master of Science in Secondary Education, and Master of Public Administration.

Areas of Emphasis

The Master of Arts in Elementary Education includes four areas of emphasis: (1) Curriculum and Instruction; (2) Content Enrichment; (3) Reading; (4) Special Education. Specifics for each emphasis are included within the School of Education section of the Bulletin.

The Master of Arts/Science in Secondary Education includes an emphasis in each of the following areas: (1) Art; (2) Business Education; (3) Chemistry; (4) English; (5) Geology; (6) History; (7) Mathematics; (8) Music; and, (9) Theatre Arts. Specifics for each emphasis are included within the subject sections of the Bulletin.

The Master of Public Administration degree program has 3 areas of emphasis: (1) General; (2) Human Services; and (3) Criminal Justice.

THE GRADUATE FACULTY

Ordinarily, the Graduate Faculty are also members of the faculty of a department in one of the schools — Arts and Sciences, Business, or Education.

GENERAL INFORMATION FOR GRADUATE STUDENTS

Application for admission to the graduate programs or general graduate study as an unclassified graduate may be made at any time. It is recommended, however, that at least two months before the first enrollment, the Graduate Admissions Office
GRADUATE SCHOOL

will have received the application for admission and transcripts of all undergraduate and graduate work. This will provide sufficient time to process the application prior to the semester the applicant wishes to commence his graduate study. Petitions for exceptions will be directed to the Graduate Dean. The transcripts are to be sent directly to the Boise State University Graduate Admissions Office by the Registrar of the college or university which the applicant previously attended. For that purpose the applicant should communicate with the Registrars concerned and then allow them sufficient time to process and mail the transcripts.

All documents received by the University in conjunction with such applications for admission become the property of Boise State University. Under no circumstances will they be duplicated except for university advisement, nor the original returned to the applicant or forwarded to any agency or other college or university.

Students who hold a Bachelor's or higher degree and enroll at BSU are classified as graduate students by the Registrar.

For Admission to the Graduate School

A student may be admitted to the Graduate School at Boise State University when the following admissions criteria have been met:

1. The applicant has earned a Bachelor's degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the School in which he wishes to enroll. Students interested in graduate work in business are directed to page 95, education students should see page 113, and public administration students should see page 71.
3. Completion of the predictive examination required by the department as listed under departmental criteria.
4. Recommendation for admission by the department in which the student expects to work and approval by the Graduate School.

Unclassified Status Classification

Persons who feel qualified to profit from graduate courses may enroll in these under "Unclassified Status" provided the following conditions are met:

1. There is space available in the class.
2. The student understands that he has not been admitted to graduate school and that there is no commitment to accept his unclassified status credits toward a degree, if he should be admitted.
3. No more than nine credit hours taken in unclassified status may be included in any graduate degree program at BSU without waiver by the Graduate Dean upon recommendation by the school or department in which the student will work.

Graduate Status Classifications for Matriculated Students

Applicants may be admitted to the Graduate School under two classifications.

Regular Status: The student has been admitted with full graduate status into a graduate degree program and has received official admission from the office of this effect.

Provisional Status: An applicant may be admitted to the Graduate School with provisional status if the department or academic unit in which he plans to study requires additional evidence of his qualification for admission with regular status. No student may maintain provisional status indefinitely. The department or academic unit concerned will normally make a final determination on a student with provisional status by the time he has completed twelve (12) credits of approved study.

Graduate Courses for Undergraduate Credit

Boise State University "seniors" may take up to two 500 level courses for upper division credit applied to their bachelor's degree program. The necessary permit forms are available through the Graduate Admissions Office and the office of each dean. Determination of what constitutes a "senior" for the purposes of this policy is left to the Graduate Dean.

Graduate Credit for Seniors

A Boise State University senior with the approval of the department in which he plans to work and the Graduate Dean may enroll for graduate credit during his senior year insofar as these credits will not prejudice his graduation during that academic year. The necessary Senior Permit Forms are available at the Graduate Admissions Office, and the office of each dean. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU.

Scholarship Requirements

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate School upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate School, a student must achieve a grade point average of "B" (3.00) or better in all work, exclusive of deficiencies, specifically included in his program of study. No grade below "B" may be used for any 300 or 400 level courses in a graduate program. Grades below "C" cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

Repeat, Retake Policy

A student who earns a grade of "D" in a graded 500 series course at Boise State University may include no more than one repeated course toward a master's degree program. A sequence graded as a single unit (like TE-570, 571) will be counted as one course, one repeat, for the purposes of this policy. A student who earns a grade of "F" may not count a retaken course toward any master's degree program at Boise State University. Therefore, a student who gets an "F" in a required course is automatically excluded from further master's degree work. With a "D" in one of these courses there is a single chance of redemption.

Credit Requirements

A minimum of thirty (30) semester credits of course work approved by the graduate student's supervisory committee is required. More than thirty (30) semester credits may be required in certain programs.

Supervisory Committee Assignment

Upon admission of the applicant with regular graduate status, a supervisory committee, consisting of a chairperson and other faculty members, will be appointed by the department fielding the program. This supervisory committee or the advisor, as determined within each degree program of study, will establish with the student a program of study, direct any thesis or graduate projects, and administer his final examination(s).

Students admitted with provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of studies. This advisor will guide the student with respect to the stipulations of the provisional admission. Once the provisional stipulations have been satisfactorily met by the student, the department concerned will recommend to the Dean of the Graduate School that the student be admitted with regular graduate status.

Residence Requirements

A minimum of twenty-one (21) semester credits of approved graduate work taken on the University campus is required. This requirement does not apply to students enrolled in any inter-institutional cooperative graduate program offered jointly by BSU and the other Idaho Universities.
Transfer of Credits

A maximum of nine (9) semester graduate credits taken at other institutions may be transferred for credit toward a Master's Degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with "A" or "B" grade may be transferred to Boise State University for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may be made by departments after a detailed examination of the specific courses taken. No correspondence courses will be accepted for graduate credit. All appropriate graduate work undertaken through inter-institutional cooperative graduate programs, if approved by the schools fielding the program, can be accepted as residence credit.

Time Limitations

All work offered toward a master's degree from Boise State University must be completed within a period of seven (7) calendar years. The seven (7) year time interval is to commence with the beginning of the oldest course (or other academic experience) for which credit is offered in a given master's degree program, and the interval must include the date of graduation when the master's degree from Boise State is given.

Challenge Policy

The provisions of the challenge policy stated in the catalog section, Admission Requirements to the College under subsection Challenging Courses - Granting Credit by Examination (see page 5) apply to graduate courses. In particular, the decision to allow or not to allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the school officer in charge of the graduate program to which the course applies.

Foreign Language Requirements

Language requirements are determined by the department concerned. If a foreign language is required, the student must demonstrate that he possesses a reading knowledge of a language specified by the department.

Thesis Requirements

The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate School at least three (3) weeks before commencement.

Candidacy

A student should apply for admission to candidacy and graduation as soon as he has completed twelve (12) hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, has removed all listed deficiencies, and has met any specified foreign language requirements.

Candidacy involves specifying — on the appropriate form — the list of courses and projects which comprise the students program. Changes in the planned program after admission to candidacy must be recommended in writing by the student's committee or advisor and be approved by the Dean of the Graduate School.

Program Development Form

Graduate students in Regular or Provisional Status will complete a Program Development Form with their advisor or committee before the end of the first academic period (summer, fall, or spring) in which they take graduate work at Boise State University, after having been notified of admission in Regular or Provisional Status.

This rule does not apply to students admitted in Unclassified Status (these are admitted only to Boise State University and not to the Graduate School) because these students are not candidates for a graduate degree.

The Program Development Form will be available from the schools offering graduate degree programs. The advisor or committee will file the Program Development Form with the Graduate School upon completion. Each change in program must be completed by filing a new Program Development Form showing the changes from the previous form.

Changes in the Program Development Form, prior to admission to candidacy, are made by the student's committee or advisor, as determined within each degree program, and approved by the Dean of the appropriate school.

Any courses being offered as transfer credit, as credit received, or as residence credit through any inter-institutional cooperative program must be claimed at the time the Program Development Form is originally filed, or before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

It is the responsibility of the graduate student to keep all program changes up to date for a graduate degree.

Final Examination Requirements

The requirement of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the department or interdisciplinary unit which fields the student's program. When the examination is required, it is administered by the unit concerned. The dates for these examinations are set by the Graduate School once each semester and summer session. They are listed in the calendar of the BSU Bulletin. A student is not eligible to apply for the final examination until he has been admitted to candidacy (filed the candidacy and graduation form).

Failure in the examination will be considered terminal unless the supervisory committee recommends, and the Dean of the Graduate School approves, a re-examination. Only one re-examination is permitted. At least three months must elapse before a re-examination may be scheduled.

The requirement of a final examination in defense of any thesis or project is optional with the department or interdisciplinary unit concerned. When required, a final examination in defense of a thesis or project, an additional member, who may be from outside the department or school, may be appointed by the Graduate Dean at his discretion. Application for the final comprehensive examination(s) is made through the office of the dean of the school fielding the program.

Application for Predictive Examinations

As previously indicated, predictive examination scores may be required by certain departments. With respect to those departments which stipulate part of the admissions criteria performance scores from predictive examinations, it is necessary that application be made without delay to take the examination.

Education and public administration students are not required, at the present time, to take a predictive examination and consequently have no need to make application for taking the predictive examination.

Students wishing to pursue graduate study in Business Administration should contact the Office of the Dean, School of Business, Boise State University, to secure the forms necessary to make application for taking the predictive examination called the GMAT. Every effort should be made to take the GMAT as soon as possible because students will not be given program status before the GMAT results are reported. Courses taken before the student is admitted (i.e. "Unclassified status" courses) will not necessarily be allowed toward the M.B.A. even if the student is admitted subsequently.

Credit Limitation in Courses Graded Pass or Fail and Directed Research

133
GRADUATE SCHOOL

599—Conference and Workshop

A maximum of three (3) credits earned with a grade of P will be allowed toward the credit requirements for a master's degree at Boise State University.

596—Directed Research

Master's programs at Boise State University may include directed research credits, at the discretion of the graduate student's supervising committee or professor, through a limit of 9 credit hours, with no more than 6 credits in any one semester. The School of Business has a limitation of 3 credits of Internship and/or Directed Research for MBA students.

Elementary Education with Content Enrichment

The curriculum in Elementary Education with Content Enrichment is essentially the same as the curriculum in Elementary Education. The distinctive feature is that an approved program may be designed for specialization in a given departmental area such as art, humanities, mathematics, music, or earth science, to name just a few possibilities. Approved programs will include the basic elementary core of nine (9) semester hours and will allow no more than fifteen (15) of the remaining hours to be in any one departamental area. Various departments in The School of Arts and Sciences offer graduate courses designed especially for students in the Elementary Education programs.

Limitations on Student Course Loads

Graduate students seeking to take courses for graduate credit only in the evening or only in the early morning and in the evening may not take more than a total of two such courses in any one semester or summer session. Waiver of this rule may be granted by the Dean of the Graduate School with the explicit recommendation of the dean of the school responsible for the student's program.

Course Numbering System

Courses numbered 500 and above are intended primarily for graduate students. The number designates the educational level of the typical student in the class; i.e., he has graduated from college.

Other courses than graduate, numbered at the 300 or 400 levels, may be given g or G designation to carry graduate credit. The department or school concerned will have the right to limit the number of g or G credits which can count toward any degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 and 400 level. No course numbered below 500 carries graduate credit unless the letter G or g is affixed.

A department or school which uses g and G designations will use them to have the following significance:

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or school.
2. G courses carry graduate credit for students both in the department or school, and for other students as well.
3. Graduate students enrolled in G or g courses will be required to do extra work in order to receive graduate credit for the courses.

APPLICATION FOR GRADUATE DEGREE

The last step in completing a graduate program consists of arranging for final record checking. To accomplish this, one completes the form entitled Application for Graduate Degree which can be obtained from the Graduate Admissions Office or from the Dean of Business or Education. Arrangements to order cap and gown for the graduation ceremony may be completed at the bookstore at the time of filing this application form.

University-Wide Numbering of Graduate offerings:

580-589 Selected Topics
590 Practicum
591 Project
592 Colloquium
593 Research & Thesis
594 Extended Conference or Workshop (Graded A-F)
595 Reading and Conference
596 Directed Research
597 Special Topics
598 Seminar
599 Short-Term Conference or Workshop (Graded Pass or Fail). This number is available in any semester or session for courses meeting three (3) weeks or less.

Course listings and descriptions for graduate and undergraduate courses available for graduate credit can be found in the departmental listings of courses.
PART IX

Area Vo-Tech School

Director: Gilbert McDonald Miller
Assistant Director: Glen Linder

Vocational Counselors: Callies, Quinowski, Trimble
Adult Basic Education Coordinator: Huff
Adult Program Coordinator: Rodgers
State Fire Trainer: Tyree

SPECIALIZED SUBJECTS

Department Head: Bill LaRue
Applied Mathematics: Olson
Industrial Communications: Scholes, Tompkins
Industrial Physics: LaRue
Industrial Relationships: Tennyson

OBJECTIVES OF VOCATIONAL EDUCATION

To provide the opportunity for state and local citizens to acquire the education necessary:

(a) To become employed, to succeed, and to progress in a vocational-technical field.
(b) To meet the present and anticipated needs of the local, state, and national economy for vocational-technical employees.
(c) To become contributing members of the social, civic and industrial community.

Curriculum Changes:

Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of industry.

Admissions Requirements:

Application materials may be obtained from the Director of Admissions Office, Boise State University.

(a) To fully matriculate a student must have on file in the Admissions Office: a completed application and $10 fee.

(b) Educational Background: Request a transcript of High School credits and, if applicable, a transcript of College credits be sent by the institution(s) directly to the Vocational Technical School.

(c) Aptitude Test: Contact the nearest local office of the Department of Employment and request a General Aptitude Test Battery to be taken and request that the office send the results directly to the Vocational-Technical School, Boise State University, Boise, Idaho 83725.

(d) Pay $75 advance registration fee. This fee will apply on the regular registration fee.
personal interview. A personal interview with the instructor is necessary before admission.

Classroom work includes instruction in basic sciences of anatomy and physiology, microbiology, sterilization, aseptic technique, instruction in the needs of humans in surgery, with emphasis on the operating room technician’s part in meeting these needs.

Clinical experience consists of supervised hospital surgical experience in the operating room in all phases of surgery.

Refund policy - Section I of the Catalog.

PRACTICAL NURSING PROGRAM
12 Month Program

The practical nursing program, in cooperation with three hospitals, a Long Term Care Facility and the State Board for Vocational Education, is approximately one calendar year in length and consists of hospital nursing experiences and classroom instruction. A certificate is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them to practice as Licensed Practical Nurses.

Admission:

Entrance requirements: High School graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery. These tests are given at the Department of Employment and Boise State University respectively. A complete medical and dental examination is required. A personal interview with the instructor is necessary before admission.

Classroom work includes instruction in the needs of individuals in health and in sickness, with emphasis on the practical nurse’s part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, caring for sick children, new mothers and infants. Failure to meet requirements in either theory or clinical areas may result in termination from the program.
DEPARTMENT OF HEAVY TECHNOLOGIES

Department Head: Jack Ogden
Air Conditioning: Tucker
Industrial Plant Maintenance: Allen
Machine Shop: Baggerly, Clarkson
Utility Lineman: Waugh
Welding: Arambarri, Buchanan, Ogden

AIR CONDITIONING, REFRIGERATION, AND HEATING
11 Month Program

The Air Conditioning, Refrigeration, and Heating curriculum offers laboratory experience, theory classes and related subjects, designed to prepare students for entry level jobs.

Emphasis will be on the servicing of commercial equipment and will cover all phases of knowledge necessary to repair the equipment.

The student will learn to work with tools and equipment with emphasis on safety at all times.

Credits in this program are not counted toward an academic degree.

COURSE NO. AND TITLE FALL SPRING SUMMER
Air Conditioning Lab .................. 10 10 10
Air Conditioning Theory ............ 5 5 5
Occupational Relationships .......... 2 — —

17 15 15

COURSES

RH AIR CONDITIONING, REFRIGERATION, AND HEATING

121-122-123 Air Conditioning, Refrigeration, and Heating Laboratory (10-10-10 credits). These courses provide the laboratory application of principles covered in the Theory class. Skills will be developed and practice will be given in these skills which will be needed by the service person. Different phases of air conditioning, refrigeration, and heating will be covered: 25 hours per week.

141-142-143 Air Conditioning, Refrigeration, and Heating Theory (5-5-5 credits). This course provides a basic understanding of the equipment and tools used on commercial equipment. Emphasis is on causes of break downs and the making of necessary repairs. Test equipment use and inspection of components such as relays, thermostats, motors and refrigerant lines are studied. 10 clock hours per week.


MECHANICAL PLANT MAINTENANCE

9 Month Program

The Mechanical Plant Maintenance Curriculum provides the student with both laboratory experience and practical theory. Theory instruction includes mathematics, basic electricity, blueprint reading, safety, hydraulics, welding, trouble shooting and other subjects related to the occupation.

Students will learn the use of the tools and of the trade, and the operation, lubrication, and adjustment of the machinery and equipment which they will maintain.

Credits in this course of study are not counted toward an academic degree.

VOCATIONAL TECHNICAL SCHOOL

Heavy Technologies

COURSES

PM MECHANICAL PLANT MAINTENANCE

121-122 Mechanical Plant Maintenance Laboratory (10-10 credits). These courses provide the laboratory application of principles covered in the theory class. Students will learn the use of the tools of the trade, also the operation, lubrication, repair and maintenance of the machinery and equipment which they will maintain. 20 clock hours per week.

141-142 Mechanical Plant Maintenance Theory (5-5 credits). These courses include the mathematics, basic electricity, blueprint reading, safety, and related instruction in trouble shooting and other subjects related to the occupation. 10 clock hours per week.


MACHINE SHOP

The machinist's course consists of shop work and related instruction in the use of hand and machine tools together with classroom instruction in problems and technical information related to the trade. Credits in this course of study are not counted toward an academic degree.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 101, 102 Machine Shop Laboratory ..................</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>MS 111 Communication Skills ..........................</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>MS 121, 122 Related Blueprint Reading ................</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>MS 151, 152 Related Theory ..........................</td>
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<td>6</td>
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<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>MS 201, 202 Advanced Machine Shop Laboratory ..........</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>MS 231 Related Basic Mathematics ....................</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>MS 232 Related Advanced Math ..........................</td>
<td>—</td>
<td>8</td>
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<tr>
<td>MS 262 Occupational Relationships .................</td>
<td>2</td>
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SOPHOMORE YEAR:

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<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>MS 201, 202 Advanced Machine Shop Laboratory ..........</td>
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<tr>
<td>MS 231 Related Basic Mathematics ....................</td>
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<tr>
<td>MS 232 Related Advanced Math ..........................</td>
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<tr>
<td>MS 262 Occupational Relationships .................</td>
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</tbody>
</table>

111 Communication Skills (3 credits). To manage symbols and discover meaning, candidacy, clearly and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a non-graded, two semester, credit course designed to maximize personal involvement.

124-125 Related Blueprint Reading (2-2 credits). A study of the principles and techniques of reading blueprints as applied to the Machine Shop. The mathematics of fractions, decimals and angular dimensions will also be studied. The sketching and drawing of actual shop type prints will enable the student to better understand the techniques used in the reading of Machine Shop blueprints. 4 hours per week lecture and lab.

151, 152 Related Theory (8-3 credits). This course provides the knowledge necessary for the machinist student to understand the machining processes and their appreciation as practiced in the laboratory course. Safety and good shop policy are emphasized in all phases of instruction. The set-up, care and maintenance of the machine tools as well as the theory of measuring tools, metal cutting, selection of metals, tool design, coolants, allowance and tolerance, and production methods. Related mathematics as applied to set up, indexing benchmark, speeds and feeds, layout measuring increments, and metallurgy will also be studied. First semester: MS 151, 6 hours per week. Second semester: MS 152, 3 hours per week (Prerequisite: MS 151)

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VOCATIONAL TECHNICAL SCHOOL

Heavy Technologies

201, 202 Advanced Machine Shop Laboratory (8 credits). The set-up and operation involving manipulative training and increased skill in the use of lathes, milling machines, drill presses, shapers, power saws, tools and cutter grinder, surface grinder, heat testing, hardness testing, layout, inspection, tracer lathe, and numerical control mill set-up, operation and programming. Twenty laboratory hours per week each semester. Prerequisite: Machine Shop Laboratory MS-102.

231 Related Basic Mathematics (6 credits, 1st semester). A study of fractions, decimals, the metric system and uses of tables as applied to the machine shop. Also basic algebra and geometry as applied to the machine shop. 8 clock hours per week.

232 Related Advanced Mathematics (8 credits, 2nd semester). A study of trigonometry and geometry as applied to shop problems and the mathematics needed for numerical control machinery. A study of scientific principles required in the machining trade is also studied. 10 clock hours per week. Prerequisite: Related Basic Math MS 231.


ELECTRICAL LINEMAN

11 month program

The Electrical Lineman curriculum provides the student with both field training and practical theory in all phases of power line installation and maintenance. The program is designed to produce a skilled apprentice lineman. In addition, the student will earn a completion card in the American Red Cross multi-media First Aid Course.

In the laboratory the student will work on real equipment such as transformers. In the field he will perform underground, overhead distribution, and construction and maintenance. The student will learn to work with all necessary tools and equipment of his craft with emphasis on safety at all times.

Credits in this course of study are not counted toward an academic degree.

COURSES

EL ELECTRICAL LINEMAN

101-102-103 Lineman Laboratory (10 credits). The field training consists of actual job experience in an "out-of-doors" school laboratory. It will cover climbing, setting and removing various sizes of poles, framing, guy work, use of conductors, transformers, transformers, streetlights, installation of services, tree trimming, and the use and care of safety equipment. 25 hours per week.

181-182-183 Lineman Theory (5 credits). The related theory for the Lineman Program conducted in the classroom and laboratory facility is so arranged to provide ample opportunity for acquaintance with the materials and hardware of the trade, while at the same time covering the theory of their use. An application of educational instruction. The set up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and braising is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuous feed and submerged arc welding processes are covered. Four hours per week, both semesters.


WELDING

The welding curriculum is designed to provide two levels of training. The first year will provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

COURSES

W WELDING

101-102 Welding Laboratory (8 credits). This course covers oxyacetylene burning by manual and automatic methods: oxyacetylene welding and brazing: arc welding using mild steel and low alloy steel electrodes in all positions: continuous wire feed welding processes and submerged arc welding processes. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

111 Welding Communications (3 credits). To manage symbols and discover meaning, candidly, clearly and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a non-graded, one semester, credit course designed to maximize personal involvement.

131-132 Related Basic Mathematics (3 credits). Basic review of addition, subtraction, multiplication and division of fractions, decimals and mixed numbers with application to basic blueprint reading, layout problems, framing square and weld symbols.

151-152 Welding Theory (2 credits). This course provides the knowledge necessary for the student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and braising is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuous feed and submerged arc welding processes are covered. Four hours per week, both semesters.

201-202 Advanced Welding Laboratory (8 credits). Pipe welding in the horizontal and vertical fixed positions: facing and semi-automatic inert gas welding of similar and dissimilar metals and exotic metals. Stress relief and heat treatment of metals. Twenty clock hours per week each semester. Prerequisite: Welding Laboratory W-102.

212 Shop Management (3 credits). This course covers shop safety, determining welding cost, for job quality control and installation and maintenance of equipment. Three clock hours per week.

231-232 Related Advanced Mathematics (3 credits). Blueprint reading, layout and design, fitting layout and details. Basic Algebra, Geometry, Blueprint reading, layout and design. Three clock hours per week each semester. Prerequisite: Related Basic Mathematics W-132.


BASIC WELDING 9 Month Program

The welding curriculum is designed to provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.
DEPARTMENT OF LIGHT TECHNOLOGIES

Department Head: Dewey Cofield
Electronic-Mechanical Service Technician: Houston, Jones
Drafting: Burkey, Leigh, Watts, Weston
Electronics: Cofield, D. Millard, K. Millard

ELECTRONIC-MECHANICAL SERVICE TECHNICIAN

The Electronic Mechanical Service Technical program provides training for the individual that wishes to repair electronic or mechanical devices. The emphasis in this program is how to repair and very little on the mathematical or theoretical approach. Students entering into this program have two options open to them before graduation. At the end of the freshman year they may choose Consumer Electronics or Business Machine Technician. During the sophomore year, the student will specialize in one of these two fields.

Students graduating from either field will receive a diploma. Credits in this curricula are generally not transferable toward an academic degree.

CONSUMER ELECTRONICS (OPTION)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>ES 101-102 Mechanical Lab</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>ES 103-104 Electronics Lab</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ES 113 Customer Relations</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ES 131-132 Small Business Math</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>ES 151-152 Mechanical Theory</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ES 153-154 Electronic Theory</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>MM 213 Credits &amp; Collections</td>
<td>—</td>
<td>2</td>
</tr>
</tbody>
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16 16

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>ES 203-204 Electronics Lab</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>ES 253-254 Applied Theory &amp; Shop Mgmt.</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>ES 271-272 Digital Electronics</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

17 17

COURSES

ES CONSUMER ELECTRONICS

101-102 Mechanical Lab (4 credits). These courses deal with the adjustment and repair of mechanisms (10 clock hours per week).

103-104 Electronics Lab (2 credits). Deals with the use of electronic test equipment and the testing of circuits developed for the understanding of theory (15 clock hours per week).

113 Customer Relations (2 credits). Directs toward the tact and methods necessary to communicate with the public (2 clock hours per week).

131-132 Small Business Math (3 credits). The math and record keeping necessary to run a small business (3 clock hours per week).

151-152 Mechanical Theory (2 credits). This theory is taught in conjunction with the mechanical lab and for the most part as need exists during that lab (5 clock hours per week).

153-154 Electronic Theory (3 credits). These courses are the basic theory of R, C, L and diode inactive circuits and transistor vacuum tube and IC active circuits (5 clock hours per week).

203-204 Electronics Lab (11 credits). These courses will be the actual repair of any domestic electronic equipment (25 clock hours per week).

253-254 Applied Theory and Shop Management (3 credits). This course is designed to be conducted within the lab situation and at any time a question of common interest to the entire class should arise (3 clock hours per week).

271-272 Digital Electronics (3 credits). This course is a study of all the logic gates and their troubleshooting techniques (3 clock hours per week).

BUSINESS MACHINE TECHNOLOGY (OPTION)

The course and outline in Business Machine Technology has been developed to give the student the course enough basic knowledge to be productive and able to perform the average job without any additional training. He will be qualified to make maintenance contract inspections, make proper mechanical adjustments and do general shop work. He will also be in a position to receive on-the-job training by his employer to become a highly specialized technician. He will be trained in Basic Electronics, testing procedures, and maintenance techniques for manual, electric, and electronic business machines. Pre-requisite: Electronic-Mechanical Service Technician one year Freshman course.

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>BM 201-202 Adv. Business Machine Lab</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>ES 271-272 Digital Electronics</td>
<td>3</td>
<td>3</td>
</tr>
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</table>

17 17

COURSES

BM BUSINESS MACHINE TECHNOLOGY

201-202 Adv. Business Machine Laboratory (8 credits). A self-paced work shop program where the student is able to practice concepts taught in ES 251-252 with special emphasis on troubleshooting, adjustments, quality control, and the use of special test equipment including multimeters and oscilloscopes (18 clock hours per week). Prerequisite: ES 101-102.

251-252 Adv. Business Machine Theory (6 credits). This is a hands on theory course in which the student is taught basic concepts of Business Machines including: adders, calculators, copy machines, electronic business machines, and duplicator processes with troubleshooting techniques. Also taught are shop management and related selling techniques (10 clock hours per week). Prerequisite: ES 151-152.

PT PRE-TECHNICAL — SEQUENCE

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete, complete and succeed in a regular vocational-technical curriculum, and is offered as a refresher course for those students who have had an excessive period of time elapsed since their last formal schooling.

CREDIT EQUIV. HOURS PER WEEK

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDIT EQUIV.</th>
<th>HOURS PER WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-010 Blue Print Reading and Basic</td>
<td>3</td>
<td>10 hours</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>(2 Lec. 8 Lab.)</td>
<td></td>
</tr>
<tr>
<td>PT-015 Intro. to Tech. Communications</td>
<td>3</td>
<td>3 hours Lec.</td>
</tr>
<tr>
<td>PT-030 Intro. to Tech. Mathematics</td>
<td>4</td>
<td>5 hours Lec.</td>
</tr>
<tr>
<td>PT-040 Science Survey</td>
<td>4</td>
<td>5 hours Lec.</td>
</tr>
<tr>
<td>PT-050 Technical Orientation</td>
<td>1</td>
<td>2 hours Lec.</td>
</tr>
<tr>
<td>Totals</td>
<td>15</td>
<td>25 hours</td>
</tr>
</tbody>
</table>

The above non-credit courses are open to all students entering the technical programs in Boise State University. The above sequence is offered every semester, as student pressure demands and will allow admittance in the spring as well as the fall semester.

COURSES

PT PRE-TECHNICAL

010 Blueprint Reading and Basic Mechanical Drawing (3 credit equiv.). An introductory course in blueprint reading, sketching and drafting methods and procedures. Ten hours per week-lecture-lab.
VOCATIONAL TECHNICAL SCHOOL
Light Technologics

020 Introduction to Technical Communications (3 credit equiv.). A survey course of communication systems, use of technical libraries, forms, reports and technical language. word usage, spelling and proper form emphasized. Three hours per week lecture.

030 Introduction to Technical Mathematics (4 credits equiv.). Survey and review of mathematic principles and methods. Uses of mathematics in technical fields with practical examples of application. Five hours per week-lecture.

040 Science Survey (4 credit equiv.). Review of science as related to technical industry with practical problems and applied solutions. Five hours per week-lecture.

050 Technical Orientation (1 credit equiv.). A survey course of the technical industry with several field trips and visits from representatives from various concerns that employ technicians. Three hours per week lecture.

DRAFTING TECHNOLOGY

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well trained in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ draftsmen. Credits in this course of study are not counted toward an academic degree. Drafting Technology curriculum is open to both male and female students. All courses are taught each semester; so that students may enter at the beginning of any regular semester.

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 101 Drafting Lab and Lecture</td>
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<tr>
<td>DT 111 Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>DT 131 Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>DT 141 Science</td>
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<tr>
<td>DT 153 Manufacturing Processes</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>DT 102 Drafting Lab and Lecture</td>
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<tr>
<td>DT 112 Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>DT 122 Introduction to Surveying</td>
<td>4</td>
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<tr>
<td>DT 132 Math</td>
<td>4</td>
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<tr>
<td>DT 142 Science</td>
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Third Semester

<table>
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<th>Course</th>
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<tr>
<td>DT 201 Drafting Lab and Lecture</td>
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<tr>
<td>DT 221 Descriptive Geometry</td>
<td>3</td>
</tr>
<tr>
<td>DT 231 Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>DT 241 Statics or DT 242 Strength of Materials</td>
<td>4</td>
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<tr>
<td>DT 253 Design Orientation</td>
<td>2</td>
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<td>DT 262 Occupational Relationships</td>
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Fourth Semester

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>DT 202 Drafting Lab and Lecture</td>
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<tr>
<td>DT 222 Technical Report Writing</td>
<td>2</td>
</tr>
<tr>
<td>DT 232 Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>DT 242 Strength of Materials or DT 241 Statics</td>
<td>5</td>
</tr>
<tr>
<td>DT 263 Specialized Graphics</td>
<td>2</td>
</tr>
</tbody>
</table>

* or approved elective

DT DRAFTING TECHNOLOGY

101 Drafting Laboratory and Lecture (4 credits). Mechanical drafting with basic drafting techniques, standards, and methods. 15 clock hours per week.

102 Drafting Laboratory and Lecture (4 credits). Architectural drafting with tension compression and bending; introduction to limited structural design. 15 clock hours per week. Prerequisite: DT 132.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, clearly and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester, credit course designed to maximize personal involvement.

122 Surveying (3 credits). Introduction to surveying, methods and computation. Required field work, with emphasis on compiling data and office computation, 4 clock hours per week. Prerequisite or corequisite with DT 132.

131 Mathematics (5 credits). Fundamentals of algebra with an introduction to trigonometry and the use of the slide rule. Prerequisite: satisfactory grade in high school algebra or equivalent. Five clock hours per week.

132 Mathematics (4 credits). Advanced algebra and trigonometry, closely integrated with drafting, surveying and science. Prerequisite: DT 131 or equivalent. Four clock hours per week.

140 Applied Physics (3 credits). A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids.

142 Applied Physics (3 credits). Course in the basic principles of heat, sound, light, electricity, and magnetism. correlated with technical mathematics DT-132. Four clock hours per week. Prerequisite: DT-141.


201 Drafting Laboratory and Lecture (4 credits). Civil drafting, mapping, highway curves, and earthwork. Fifteen clock hours per week. Prerequisite: DT 122. DT 132. DT 102.

202 Drafting Laboratory and Lecture (4 credits). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice. Prerequisite: DT 201. DT 221. Fifteen clock hours per week.

221 Descriptive Geometry and Development (3 credits). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting application. Four clock hours per week.

222 Technical Report Writing (2 credits). A course to provide an understanding and practice in the processes involved in technical writing and methods of preparing report based on problems related to the student's curriculum. Two clock hours per week.

231 Applied Mathematics (3 credits). Solution of practical problems involving concepts from DT 131 and DT 132 Math. Prerequisite: DT 132. Four clock hours per week.

232 Applied Mathematics (3 credits). Prerequisite: DT 231. Four clock hours per week. Application and expansion of mathematics, statics and strength of materials. Related to lab projects.

241 Statics (4 credits). Introductory course in statics with emphasis on analysis of simple structures. Four clock hours per week. Prerequisite: DT 132.

242 Strength of Materials (4 credits). Analysis of stress and strain in torsion, tension, compression and bending; introduction to limited structural design. Four clock hours per week. Prerequisite: DT 132.

253 Design Orientation (2 credits). A lecture-laboratory course designed to provide an opportunity for the student to apply theory, principles and methods to the solution of problems typical of those to be encountered in practice. Three clock hours per week.


263 Specialized Graphics (2 credits). An intensive study of perspective and rendering as used in industrial illustration, and architectural rendering and civil engineering graphics. Lecture-laboratory. Three clock hours per week.

ELECTRONICS — CURRICULUM

The Electronics Technology program provides training for students desiring to enter the field of Electronics, working as team members with engineers in manufacturing, field troubleshooting, and research and development.

Credits in these courses of study are generally not counted toward an academic degree.

FRESHMAN YEAR

1ST SEM. 2ND SEM.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>ET-101-102 Electronics Laboratory</td>
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<tr>
<td>ET-104 Digital Computer Programming</td>
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<tr>
<td>ET-111-112 Communication Skills</td>
<td>3</td>
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<tr>
<td>ET-121 Electronic Drafting</td>
<td>1</td>
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<tr>
<td>ET-131-132 Basic Electronics Math</td>
<td>4</td>
</tr>
<tr>
<td>ET-141 Basic Physical Science</td>
<td>2</td>
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<tr>
<td>ET-151-152 Electronic Theory</td>
<td>5</td>
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<tr>
<td>ET-171-172 Circuit Analysis</td>
<td>3</td>
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TOTAL: 20 19

SOPHOMORE YEAR

1ST SEM. 2ND SEM.

<table>
<thead>
<tr>
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<tr>
<td>ET-201-202 Adv. Electronic Laboratory</td>
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<tr>
<td>ET-231-232 Advanced Electronic Math</td>
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<tr>
<td>ET-241-242 Advanced Electronic Science</td>
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<tr>
<td>ET-251-252 Advanced Electronic Theory</td>
<td>4</td>
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<td>ET-262 Occupational Relationships</td>
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<td>ET-271-272 Digital Electronics</td>
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<tr>
<td>ET-281 Digital Systems Design</td>
<td>3</td>
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</table>

TOTAL: 19 20
COURSES

ET ELECTRONICS

101 Electronics Laboratory (2 credits). Study of basic electricity, color code, test equipment, LCR components, basic semiconductors. Ten hours laboratory per week.

102 Electronics Laboratory (2 credits). A continuation of ET-101. Basic radio receiver analysis, and basic amplifiers, printed circuit design and processing, logic circuits. Prerequisite: Electronics Laboratory ET-101. Ten hours laboratory per week.

104 Digital Computer Programming (2 credits). Course for Electronics majors to introduce programming principle and logic. Consideration given to input-output, arrays, functions, prerequisite ET-131 or equivalent. 2 clock hours per week.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, clearly and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a non-graded, two semester, credit course designed to maximize personal involvement.

121 Electronic Drafting (1 credit). Directed study designed to instruct the student in the practice of drawing schematics, good engineering lettering techniques, block-diagramming, flow diagram and understanding symbols, dimensions and designs. 1 clock hour per week. (Pass-Fail)

131-132 Basic Electronics Mathematics (4-4 credits). First semester - Review of basic fundamentals of mathematics, algebra, geometry, and basic trigonometry. Second semester - A continuation of first semester, logarithms, and an introduction to analytical geometry. The course will prepare the student for calculus. Five clock hours per week.

141 Basic Physical Science (2 credits). This course is designed to acquaint the electronics technician with the basic principles of chemistry, mechanics, heat, sound, light, nuclear physics and magnetism, 2 clock hours per week.

151 Electronics Theory (5 credits). The theory of basic electricity, color code, test equipment, L, C, and F components, transistors, vacuum tubes and an introduction to logic circuits. Five clock hours.

162 Electronics Theory (5 credits). A continuation of ET 151 with an emphasis placed on the function of the components, studied first semester, into systems in this course. These systems include basic amplifiers, AM receivers and logic circuits. Special emphasis is placed on transistor circuit and design. Five clock hours per week.

171-172 Circuit Analysis (3 credits). The purpose of this course is to immediately get the beginner into practical circuits of electrician type and let him see that all the theoretical materials covered do have application. This has two purposes: to get him involved with useful circuits and schematic symbols and to make him employable at lower levels than electronic technician if his withdrawal from the program becomes necessary. This course advances to solid state electronic circuitry as ET 151-152 gets to this point. Both semesters the student is expected to analyze, debate and report on circuits he is seeing for the first time. 5 clock hours.

201, 202 Advanced Electronic Lab (5 credits). These courses would follow the same description as ET 251-252 (Theory) but would be concerned with the test, measurement, and calibration of those circuits covered during theory. 10 clock hours.

231, 232 Advanced Electronic Math. (3 credits). Differential and Integral calculus is covered on a continuing basis both semesters. Starting with limits, basic differentiation, trigonometric functions, logarithmic functions and basic differential equations. 3 clock hours.

241-242 Electronics Science (2 credits). The application of the electro-electronics principles, to the measurement and control of the physical properties of heat, light, sound, etc. Prerequisite: ET 141 2 clock hours per week.

251, 252 Advanced Electronic Theory (4 credits). The study of solid state industrial control devices: unijunction, diacs, triacs, SCR's, operational amplifiers, and power amplifiers. In both semesters, analysis of circuits never seen before is highly stressed. 5 clock hours.


271-272 Digital Electronics (3 credits). Binary concepts, basic logic, boolean algebra, counters, adders, basic computer circuits, second semester advanced concepts and analytical troubleshooting of digital devices. 3 clock hours per week.

282 Digital Systems Design (3 credits). Concepts of boolean algebra, logic components, combinational and sequential circuit analysis and synthesis, number systems. Spring semester only. Prerequisite ET-271 and consent of instructor. 3 clock hours per week.
COURSES

BASIC AUTOMOTIVE MECHANICS

AM 100 Basic Automotive Mechanics (8 credits). The Basic Automotive Mechanics section of the program consists of 8 weeks of instruction which includes orientation to the University, automotive industry and safety policies, along with theory and practice of the use and care of mechanics tools and equipment, fasteners, precision measuring devices, tube fabrication and soldering. This will also include fundamentals and construction of electrical systems, engine, cooling systems, vehicle control systems, fuel systems, and power train. The student must satisfactorily complete all theory and laboratory assignments or pass challenge exam before progressing into Intermediate Auto Mechanics. Consists of approximately 10 hours a week theory and 20 hours a week laboratory.


INTERMEDIATE AUTOMOTIVE MECHANICS

The Intermediate Automotive Mechanics section of the program consists of 16 weeks of instruction and covers all phases of the automobile in both classroom theory, laboratory projects and mock up training aids are utilized. Approximately 10 hours a week theory and 20 hours a week laboratory. The student must satisfactorily complete all workbook and laboratory assignments before progressing to Advanced Automotive Mechanics. Basic Mechanics or a challenge exam is a prerequisite to Intermediate Mechanics.

AM 110 Electrical (3 credits). This course covers various types of electrical components and wiring systems of the automobile using the latest testing and diagnostic equipment.

AM 111 Engine (3 credits). This course includes theory and laboratory practice of engine overhaul procedure on live engines to the manufacturer's specifications.

AM 112 Fuel Systems (1 credit). This advanced course on two and four barrel carburetors consisting of theory, repair and diagnostic procedures.

AM 113 Power Train (2 credits). This course includes laboratory practice and proper overhaul procedures to manufacturers specifications on clutches, manual transmissions, over drives, drive lines, differentials and axles.

AM 114 Vehicle Control Systems (3 credits). This course will include front end alignment, wheel balancing, suspension repair, drum and disc brake repair and machine work.

AM 115 Air Conditioning, (1 credit). This course includes theory and basic operating principles as used in the automobile, including related control and component operation and diagnosis. It also includes the proper care and handling, special tools, and equipment used in the air conditioning service.

AM 116 Automatic Transmissions (3 credits). This course will include basic automatic transmission principles, operation and construction including servicing and repairing of mock up units.

ADVANCED AUTO MECHANICS

AM 120 Advanced Auto Mechanics (8 credits).

AM 121 Advanced Auto Mechanics (8 credits).

The Advanced Automotive Mechanics section of the program consists of two 8 week sessions of instruction which includes a study of failure analysis of previouse courses. Working on customer vehicles in actual shop conditions. Practice of shop management, customer relations, routing of shop work and parts ordering techniques. Consists of approximately 5 hours a week theory and 25 hours a week laboratory.

After completing set course objective, student can be employed at Instructor's recommendation. Graduation will be based on student's job performance.

HEAVY DUTY MECHANICS—DIESEL

11 Month Program

This program is designed to prepare students for employment as heavy duty mechanics in the trucking industry. Instruction will cover basics in design and fundamentals of operation of diesel and heavy duty gasoline engines as well as the other component parts of the truck. Instruction will be on mock-ups and live work in the shop.

COURSES

DM HEAVY DUTY MECHANICS—DIESEL

101-102-103 Diesel Laboratory (10-10-10 credits). This course provides the laboratory application of principles covered in the theory class. Basic instruction will be on mock-ups and shop units but most experience will be in making actual repairs to live units.

151-152-153 Diesel Theory (5-5-5 credits). A study of the design, construction, maintenance and repair of trucks and diesel and heavy duty gasoline engines. Shop safety, care and use of tools, internal combustion engines, transmissions and power trains, cooling systems, fuel systems, electrical systems, suspension and hydraulic and air brakes will be studied.


PARTS COUNTERMAN

9 Month Program

The Counterman Program is designed to familiarize the student with all phases of the Automotive parts business. A study of index systems, types of invoices, customer relations, refunding, refunding procedures and warranty adjustments will be covered. Emphasis and training on the use of catalogs, price sheets, and other related forms used in the parts industry are considered.

SMALL ENGINE REPAIR

12 Month Program

This program is designed to prepare students for employment as small engine mechanics in the recreational vehicle and small engine industry. Instruction will cover basics in design and fundamentals of operation of small engines used on portable power equipment, e.g., lawn mowers, outboard motors, chain saws, rotary tillers and recreational vehicles. Credit in this course of study are not counted toward an academic degree.
101 Small Engine Laboratory (14 credits). This course will include application and instruction in the repair and overhaul of small engine units with emphasis on lawn and garden equipment. Twenty-five clock hours per week.

102 Small Engine Laboratory (14 credits). The repair and maintenance of recreational vehicles such as motorcycles, snowmobiles and outboard marine engines is emphasized. Twenty-five clock hours per week.

141 Small Engine Theory (2 credits). This course provides a basic understanding of the internal combustion engine and application of principles to two and four cycle engines. Fundamentals in carburetors, electrical and basic circuitry is covered. Eight clock hours per week.

142 Small Engine Theory (2 credits). This course includes instruction on the repair and maintenance of power train, auxiliary clutching, trouble shooting, fuels, exhaust and engine tune-up. It includes the theory of marine engines and chain saws. Eight clock hours per week.


COURSES

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DEPARTMENT OF SERVICE OCCUPATIONS

Department Head: Glenda Trumbo
Child Care: Correll, Lingenfelter
Food Service: Hoff, R. Smith
Horticulture: Griffith, Oyler
Mid Management: Knowiton, Lane, Scudder
Office Occupations: Metzgar, Potas, Trumbo

CHILD CARE STUDIES (Supervisor)

This curriculum is planned for people interested in working as a supervisor in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

Day Care Supervisor (18 Month Program)

The graduate will assist with or operate a day care center which provides for physical care, emotional support and social development of children in groups.

This two year course will provide students with the opportunity to direct children's play, provide food, supervise workers, and manage resources in a nursery school setting. Completion of the program defined as Child Care Assistant is a prerequisite to the supervisor level program.

DAY CARE ASSISTANT:

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>CREDITS</th>
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<tr>
<td>SE-101-102 SE Lab</td>
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<td>SE-141-142 SE Theory</td>
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<td>SE-262 Occupational Relationships</td>
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<td>16</td>
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CC CHILD CARE

101 Introduction to Child Development (3 credits). A beginning study of child growth and development, the individual, the family, and the social environment of the young child. Two semester credit course designed to maximize personal involvement.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning; to communicate clearly, concisely, and exactly the performance objectives of Communication Skills. As trained, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

125-126 Contracted Field Experience in Early Childhood Programs (1-1 credits). Individual contract arrangement involving student, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

135-136 Planning and Evaluation of Laboratory Experience (2-2 credits). Classroom lecture and discussion to include lab observation and records as a basis for developing curriculum and guiding child behaviors, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

141 Health and Care of the Young Child (2 credits). Safety practices in child care centers, basic nutrition, and general health education necessary for working with children will be stressed. The teacher's health and well-being as it affects children with whom she is working will be covered. Required in the course of study will be the Red Cross multi-media first aid emergency training. In compliance with state licensing regulations a Tuberculin test is also required.

151 Introduction to Child Development (3 credits). Studies of guidance and discipline will be continued, along with some techniques of handling behavior problems in the nursery school. Classroom structures, theories of preschool instruction, and methods of nursery school teaching will be included.

171-172 Curriculum of the Young Child (3-3 credits). Introduction to the curriculum media suitable for preschool children. The course will include the theories of teaching young children in the preschool environment: the need for a curriculum in nursery schools; the importance of children's play, and specific information and material in the following areas: creative art, books and story telling, music and rhythms, environmental science, and beginning number and letter recognition.

181-182 Child Care Laboratory (3-3 credits). Observation and participation in the laboratory preschool. Students in this course will participate directly with children assuming the role of aide and assistant teacher. The student will plan and carry out a variety of daily activities and attend staff meetings. Students will become acquainted with the curriculum, classroom arrangement, daily schedules, child guidance, and responsibilities of staff personnel.

201-202 Child Care Center Supervision (3-3 credits). Observation and participation in the laboratory preschool. Students in this course is designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor, and cooperating agency to gain practical experiences in off-campus settings.

226-228 Contracted Practicum in Early Childhood Programs (2-2 credits). By permission of instructor. A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor, and cooperating agency to gain practical experiences in off-campus settings.

231-232 Child Care Center Management (2-3 credits). This course is designed to give the student a basic knowledge needed for the operation of a child care center as a business. Business arithmetic, record-keeping (financial, operational, staff, etc.), purchasing of equipment, materials and supplies, and employer-employee relationships will be stressed. Bookkeeping practices for an actual day care center will be included.

VOCATIONAL TECHNICAL SCHOOL

Service Occupations

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>CC-251-254 Advanced Child Care</td>
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<tr>
<td>CC-231-232 Child Care Center</td>
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<td>2</td>
</tr>
<tr>
<td>CC-252 Family and Community Involvement</td>
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<td>3</td>
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<tr>
<td>CC-261 Occupational Relationships</td>
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<td>2</td>
</tr>
<tr>
<td>CC-241-242 Feeding Children</td>
<td>2</td>
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<tr>
<td>CC-201-202 Child Care Center Supervision</td>
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<td>CC-225-226 Contracted Practicum in Early Childhood Supervision</td>
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<td>CC-235-236 Planning and Evaluation of Child Care Center supervision</td>
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<tr>
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</table>
VOCATIONAL TECHNICAL SCHOOL
Service Occupations

235-236 Planning and Evaluation of Child Care Center Supervision (1-1 credits).
Classroom lecture and discussion to include management of child care programs,
methods for supervising staff, child guidance techniques, curriculum and staff
evaluations, methods of working with parents, daily classroom management, and
curriculum development to meet specific needs of individual children.

241-242 Feeding Children (2-2 credits). The nutritional requirements of preschool
children will be emphasized. The course is designed to help the student plan,
purchase, prepare and serve nutritious snacks and meals to children in child care
centers. Studies will include diet plans for sick children, handling food allergies,
and the development of positive mealtime attitudes. Emphasis will also be placed on the
economics of good nutrition for a child care center.

251-254 Advanced Child Care (3-3 credits). History and background of child care in
the United States will be studied, and a study will be made of the types and kinds of
child care centers suitable for young children that are present in the Boise area.
Also covered will be the qualifications of the teacher and/or supervisor for day
care centers. Second semester students will emphasize infant day care, work with
exceptional children and qualifications needed for kindergarten aides. Some
knowledge of kindergarten curriculum will also be stressed.

261 Occupational Relationships (2 credits). Techniques of obtaining employment.
Relationships among workers and supervisors. Resolution of human relationship
issues of shop and office. One semester. nongraded. credit course.

CHILD CARE STUDIES (Assistant)
9 Month Program

This curriculum is planned for people interested in working
with children as an assistant in private, play grounds, camps,
day care centers, nurseries, kindergartens, and child develop-
ment centers.

Child Care Assistant (9 Month Program)

The graduate will be able to function effectively under super-
vision in caring for children's normal physical, emotional and
social needs in group care centers, children's homes, hospitals,
nurseries, and industry. This 9 month course will provide study
of child growth, ways of working with children - infants, toddlers,
and school age children and laboratory experience in a nursery
school setting.

Entrance Requirements

Personal interest, interview, and aptitude testing.

DAY CARE ASSISTANT:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td>CC-101 Introduction to Child Development</td>
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<tr>
<td>CC-151 Introduction to Child Development</td>
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<td>3</td>
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<tr>
<td>CC-111-112 Communication Skills</td>
<td>3</td>
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<tr>
<td>CC-141 Health and Care of the Young Child</td>
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<tr>
<td>CC-171-172 Curriculum of the Young Child</td>
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<tr>
<td>CC-181-182 Child Care Laboratory</td>
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<tr>
<td>CC - Contracted Field Experiences in Early Childhood Programs</td>
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<tr>
<td>CC - Planning and Evaluation of Laboratory Exper.</td>
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CC CHILD CARE STUDIES (Assistant)
Child Care Studies (Assistant) courses are described under
(supervisor) Child Care Studies.

FOOD SERVICE TECHNOLOGY

FIRST SEMESTER
Course No. and Title

| FT-151 Food Theory and Techniques | 5 |
| FT-111 Communicative Skills | 2 |
| FT-131 Applied Mathematics | 2 |
| FT-101 Food Presentation Systems & Techniques | 4 |
| FT-262 Occupational Relationships | 1 |
| FT-141 Basic Nutrition | 2 |
| Credits | 16 |

SECOND SEMESTER

| FT-102 Food Preparation Laboratory | 6 |
| FT-121 Purchasing, Storage & Receiving | 3 |
| FT-133 Business Mathematics & Machines | 2 |
| FT-152 Menu Planning | 3 |
| FT-154 Food Standards | 2 |
| Credits | 16 |

THIRD SEMESTER

| FT-231 Restaurant Accounting & Office Procedures | 3 |
| FT-221 Catering & Beverage Control | 3 |
| FT-201 Baking | 3 |
| FT-202 Restaurant Management | 5 |
| FT-241 Specialty Cooking | 2 |
| Credits | 16 |

FOURTH SEMESTER

| FT-251 Advertising & Promotion | 2 |
| FT-252 Demonstration Methods | 2 |
| FT-203 Field Work | 10 |
| FT-222 Seminar | 2 |
| Credits | 16 |

COURSES

FT FOOD SERVICE TECHNOLOGY

101 Food Presentation Systems & Techniques (4 credits). This course covers the
practical side of handling prepared food, bus and set tables, wait on tables, dining
room etiquette, dishwashing room and cashiering. We concentrate on a certain job if
student desires one aspect only, such as dishwashing. This course also familiarizes
the students with general safety and sanitation rules pertaining to the entire
restaurant as those specifically required to use and maintain the equipment in both
the dining room and kitchen. Fifteen clock hours per week.

102 Food Preparation Laboratory (6 credits). This course is designed to corollate
the theory of department technical courses with actual large quantity food service
practice in situations such as would be found in the food service industry. Twenty
clock hours per week.

111 Communications Skills (2 credits). To manage symbols and discover meaning,
candidly, clearly, and exactly is the performance objective of Communication Skills.
As trainee, worker, citizen and human being, regardless of preparation and
background, each student is provided opportunity through individual and group
projects to identify and resolve communication issues relevant to his own need and
career. This is a nongraded, two credit course designed to maximize personal
involvement. One semester nongraded. credit course.

121 Purchasing, Storage and Receiving (3 credits). The practices of food
purchasing, both theory and practical application. Includes storage and handling
as well as food standards. This covers proper store room procedures, issuing, and record
keeping dealing with vendors and salesmen, and product cutting and testing. Three
clock hours per week.

131 Applied Mathematics (2 credits). A review of fundamental mathematical
operations used in a food establishment. Converting and costing standard formulas,
guest checks, weights and measurements and business forms. Three clock hours
per week.

133 Business Math and Machines (2 credits). Fundamental operations of arithmetic
in relation to Foodservice Businesses. The student receives instruction on ten-key
adding machines, calculators, etc.

141 Basic Nutrition (2 credits). Study of the fundamentals of nutrition as a factor of
menu planning, food preparation and storage. Two clock hours per week.

151 Food Theory and Techniques (5 credits). This class is to develop an
understanding of the basic principles of cookery; skill and efficiency in preparation of,
% foods; the application of standards of production, efficient use of time and
attractive sanitary service of foods; an appreciation for the care and safe use of
utensils and equipment, harmonious and cooperative working habits, and to introduce
the student to the use of large quantity equipment and to develop an understanding
of the basic principles of cookery and also to gain knowledge of foods and their uses.
Ten clock hours per week.

152 Menu Planning (3 credits). The characteristics of a good menu, types of menus,
the relationship between menu planning and personnel and equipment, sales history
and productions sheets will be studied to aid the student in writing successful menus.
Two clock hours per week.
**VOCATIONAL TECHNICAL SCHOOL**

Service Occupations

## COURSES

### HO HORTICULTURE SERVICE TECHNICIAN

**TECHNICIAN—CURRICULUM**

**(Landscape Construction and Maintenance)**

The landscape construction and maintenance curriculum has for its objective the preparation of students for employment in the landscape, nursery, and greenhouse industries. This includes both the production, sales, and service areas of these major fields. The training stresses, the design of landscapes, their interpretation and construction including costs, but the production of nursery plants, plant propagation, the design of landscapes, and landscape planting is also covered. Graduates of the horticulture curriculum qualify for positions in nursery and floral establishments as well as in parks, grounds, and highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work, and sales in the related fertilizer and insecticide fields. Credits in this course of study are not counted towards an academic degree.

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>HO 101-102 Horticulture Laboratory</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>HO 111-112 Communication Skills</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>HO 131-132 Related Basic Science</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>HO 141-142 Related Basic Science</td>
<td>2</td>
<td>2</td>
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<tr>
<td>HO 151-152 Horticulture Theory</td>
<td>5</td>
<td>5</td>
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| TOTAL | 18 | 18 |

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<tr>
<th>SOPHOMORE YEAR</th>
<th>1ST SEM.</th>
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<tr>
<td>HO 201-202 Horticulture Laboratory</td>
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<tr>
<td>HO 241-242 Related Science</td>
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<tr>
<td>HO 251-252 Horticulture Theory</td>
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<tr>
<td>HO 262 Occupational Relationships</td>
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<tr>
<td>HO 271 Individual Project</td>
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<tr>
<td>MM 213 Credits and Collections</td>
<td>3</td>
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<tr>
<td>MM 101 Salesmanship</td>
<td>—</td>
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</tbody>
</table>

| TOTAL | 17 | 17 |

154 Food Standards (2 credits). The study of the factors to be considered when purchasing food. The use of certain factors when writing specifications for purchasing foods to meet the Standard set by their operations. How to cut costs considering yield of specific grades of foods. This is a second semester course. Two clock hours per week.

161 Sanitation and Safety: The study and application of the health and sanitation codes for the State of Idaho and its relationship to the restaurant industry. Theory and Practice in the safe use of all restaurant equipment and personal safety in all areas of restaurant work. Two clock hours per week.

201 Baking Laboratory and Theory (3 credits). Procedure and formulas used in industry bake shops. Preparation of bakery goods used at Boise Interagency Fire Center mess hall, including: dinner rolls, muffins, Danish pastry, sweet breads, cakes, dessert items both cold and hot. Six clock hours per week.

202 Horticulture Theory (5 credits). Students are taught in the management phase in both the front and back of the house by acting as student chef, purchasing manager, dining room manager and other supervisory jobs for the Boise Interagency Fire Center mess hall. Sixteen clock hours per week.

203 Field Work (10 credits). Student is placed in restaurant under supervision of chef. First to observe, then help, and finally do the production job while their paid employee observes. He does every position in the kitchen and/or dining room. Twenty-four clock hours per week.

221 Catering and Beverage Control (3 credits). Practical approach to catering food service banquettes, covering theory in personnel duties, guarantees, menu pricing, function room profits, forms and controls Orientation into Bar Controls and Techniques. Also, Wine History and sales.

222 Seminar (2 credits). Two clock hours per week.

231 Restaurant Accounting and Office Procedures (3 credits). A study of the function of the general office statement through the use of the balance sheet, income statement, payroll reports, sales income, time cards, records, reports, Federal, State and Social Security taxes, paychecks and figuring percentage of sales. Three clock hours per week.

241 Specialty Cooking (2 credits). This includes fine pastries, sugar work, tallow carving, ice carving, etc. Also, methods of cooking with wines and brandies.

251 Advertising and Promotion (2 credits). This course covers the history and basic programming of advertising in relation to the Food Service Industry. It also coordinates food merchandising and promotion towards increased sales volume. A fourth semester course. Two clock hours per week.

262 Demonstration Methods (2 credits). This course gives the student an opportunity to practice the demonstration technique. An opportunity to observe critically a number of demonstrations, and an opportunity to judge objectively the work of others. A fourth semester course. Two clock hours per week.

261 Horticulture Theory (5 credits). Developing comprehension, analysis, and evaluation of the following: (1) various types of construction common to plant structures, growing greenhouse crops, and basic first aid. Fifteen clock hours per week.

262 Horticulture Theory (5 credits). Developing comprehension, analysis, and evaluation of the following: (1) various types of construction common to plant structures, growing greenhouse crops, and basic first aid. Fifteen clock hours per week.

271 Individual Projects (3 credits). Providing the opportunity for the student to apply all his prior education in planning, developing and completing a unique practical horticulture project.
FASHION MERCHANDISING — MID-MANAGEMENT

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1ST SEM.</th>
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<tr>
<td>English Composition</td>
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<td>Introduction to Business</td>
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<tr>
<td>Salesmanship</td>
<td>3</td>
<td></td>
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<tr>
<td>Clothing</td>
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<td></td>
</tr>
<tr>
<td>Business Math/Machines</td>
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<td></td>
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<tr>
<td>Clothing Selection</td>
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<tr>
<td>Textiles</td>
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<td>Elements of Management</td>
<td>3</td>
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<tr>
<td>Principles of Accounting</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<td>Elective</td>
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TOTAL: 16

MARKETING — MID-MANAGEMENT

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<th>Course Offerings</th>
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<th>2ND SEM.</th>
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<tr>
<td>Introduction to Marketing</td>
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<tr>
<td>Professional Speech Design</td>
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<tr>
<td>Retail Buying</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Report Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Principles of Retailing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Visual Merchandising</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Merchandise Analysis</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Elements of Management</td>
<td>3</td>
<td></td>
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<tr>
<td>Professional Speech Communication</td>
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<tr>
<td>Elective</td>
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</tr>
</tbody>
</table>

TOTAL: 16

OFFICE OCCUPATIONS

Students may enter the program every 8 weeks or 5 times a year.

The Office Occupations curriculum is designed to assist the student to progress on an individualized basis to employment in one of more of the various classifications of office occupations. The length of the course will depend upon the individual's goals and abilities.

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Boise State Full-Time Faculty

January, 1977
(The date in parenthesis is the year of first appointment)

A

LOUISE ACKLEY, Assistant Professor of English . . . . (1969)
A.B., Northwest Nazarene College; M.A., University of Washington.

ROBERT T. ADKINS, Associate Professor of Marketing and Management . . . . (1975)
B.B.A., University of Chattanooga; M.B.A., Stanford University.

H. DUANE AKROYD, Assistant Professor; Director of Radiologic Technology . . . . (1976)
B.S., Medical College of Georgia; M.S., State University of New York at Buffalo.

ROBERT L. ALLEN, Instructor in Industrial Plant Maintenance . . . . (1976)
Certificate, Boise State University.

JOHN W. ALLEN, Associate Professor of Physics . . . . (1971)
B.A., Willamette University; M.A., Ph.D., Harvard University.

ROGER H. ALLEN, Associate Professor of Real Estate . . . . (1966)
A.A., Boise Junior College; B.S., University of Nevada; M.B.A., Northwestern University.

RUDY N. ALONZO, Instructor in Heavy Duty Mechanics . . . . (1976)

ROBERT M. ANDERSON, Associate Professor of Mathematics . . . . (1970)
B.S., Utah State University; Ph.D., Michigan State University.

JAMES K. APPLEGATE, Assistant Professor of Geophysics; Associate Department Head, Department of Geology and Geophysics . . . . (1973)
Geophysical Engineer, M.S., Ph.D., Colorado School of Mines.

GARY D. ARAMBARRI, Instructor in Welding . . . . (1976)
Shop Ironworker Apprenticeship, Gate City Steel; Shop Superintendent, Gate City Steel, Pocatello.

E. BARRY ASMUS, Associate Professor of Economics . . . . (1971)
B.S., M.S., Colorado State University; Ph.D., Montana State University.

B

STEVEN F. BAGGERLY, Instructor in Machine Shop . . . . (1968)
Diploma, Boise Junior College.

J. KAREN BAICY, Assistant Professor of Nursing . . . . (1975)
B.S., University of Maryland; M.N., UCLA.

CHARLES W. BAKER, Professor of Biology . . . . (1968)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

RICHARD BAKER, Associate Professor of Sociology . . . . (1973)
B.A., M.A., University of Wyoming; Ph.D., Washington State University.

JOSEPH A. BALDASSARRE, Instructor of Music . . . . (1975)
B.M.E., Baldwin Wallace College.

JOHN B. BALDWIN, Associate Professor of Music . . . . (1971)
B.M.E., M.M.E., Wichita State University; Ph.D., Michigan State University.

RICHARD N. BALL, Assistant Professor of Mathematics . . . . (1974)
B.A., University of Colorado; M.A., Ph.D., University of Wisconsin.

JOHN B. BARNES, Professor of Education, President . . . . (1967)
B.A., M.A., University of Denver; Ed.D., University of Wyoming.

GWYNN BARRETT, Professor of History . . . . (1968)
B.S., Utah State University; M.A., University of Hawaii; Ph.D., Brigham Young University.

ROSALYN O. BARRY, Assistant Professor of Communication . . . . (1975)
A.A., Stephens College; B.A., College of Idaho; M.S.J., Northwestern University.

WYLLA BARNES, Associate Professor of Psychology . . . . (1968)
B.A., William Jewell College; M.S., Montana State University; Ph.D., University of Minnesota.

KATHRYN I. BECK, Assistant Professor of Social Work . . . . (1972)
B.A., Washington State University; M.S.W., Florida State University.

ROBERT P. BEHLING, Associate Professor of Accounting and Data Processing . . . . (1974)
B.A., Colgate University; M.Ed., University of Portland; M.B.A., Boise State University; Ph.D., University of Northern Colorado.

JOHN L. BEITIA, Professor of Education . . . . (1970)
A.A., Boise Junior College; B.S., North Dakota State College; M.A., Idaho State University; Ed.D., Utah State University.

H. WILLIAM BELKNAP, Associate Professor of Biology . . . . (1959)
B.A., College of Idaho; M.S., Louisville State University; Arizona State University; University of Oregon.

ELMO B. BENSON, Assistant Professor of Art . . . . (1975)
B.S., University of Idaho; M.S., University of Utah; Ed.D., University of Idaho.

JOHN H. BEST, Professor of Music . . . . (1947)
B.S., University of Idaho; M.S., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wetzels; Composition and Theory Pupil of J. DeForest Cline and Henry Trustman Ginsburg; Suzuki Institute of Toho School, Japan.

CAROLE JEAN BETTIS, Assistant Professor, Associate Librarian . . . . (1970)
B.S. in Chemistry, A.M.L.S., University of Michigan; University of Illinois.

JOHN PATRICK BIETER, Professor of Teaching Education and Library Science . . . . (1969)
B.A., St. Thomas College; M.A., University of California at Berkeley; Ed.D., University of Idaho.

DONALD B. BILLINGS, Professor of Economics . . . . (1972)
B.A., San Diego State College; M.A., Ph.D., University of Oregon.

SARA BLOOD, Instructor in Music . . . . (1975)
B.M.E., M.M., Indiana University.

ANTHONY J. BOHNER, Assistant Professor of Management . . . . (1974)
B.A., Northwest Nazarene College; J.D., Willamette University.

ROLANDO E. BONACHEA, Assistant Professor of History . . . . (1974)
B.A., University of New Mexico; M.A., Ph.D., Georgetown University.

ROBERT R. BOREN, Professor of Communication; Chairman, Department of Communication . . . . (1971)
B.A., M.A., Brigham Young University; Ph.D., Purdue.
BOISE STATE UNIVERSITY
Faculty

KAREN J. BOUNDS, Associate Professor of Business . . . . (1973)
B.S.Ed., University of Alabama; M.Ed., University of North Carolina; Ed.D., North Texas State University.

NANCY C. BOWERS, Instructor in Practical Nursing . . . . (1975)
Diploma, St. Joseph’s Hospital School of Nursing; University of Arizona.

BILL C. BOWMAN, Associate Professor of Physical Education . . . . (1970)
B.A., Southern Idaho College of Education; M.Ed., University of Oregon; Ed.D., Brigham Young University.

CLAIR BOWMAN, Associate Professor of Teacher Education . . . . (1976)
B.S., Indiana University; M.A., University of Colorado; Ed.D., Indiana University.

PHYLLIS E. BOWMAN, Assistant Professor of Physical Education . . . . (1970)
A.A., Weber State; B.S., Utah State University; M.A., Brigham Young University.

RICHARD F. BOYLAN, Associate Professor of Communication . . . . (1971)
B.A., University of Arizona, M.A., Ph.D., University of Iowa.

JEAN BOYLES, Assistant Professor of Physical Education . . . . (1949-57, 1962, 1969)
A.B., University of California; M.S., University of Colorado.

ALAN P. BRINTON, Assistant Professor of Accounting . . . . (1970)
B.S., Idaho State University; M.B.A., University of Utah; C.P.A., Golden Gate University, University of Nebraska.

J. WALLIS BRATT, Assistant Professor of Music . . . . (1970)
B.M., University of Idaho; M.M., University of Utah.

SUSAN J. BRENDAN, Associate Professor of Office Administration . . . . (1969)
B.S.C., M.A., Ph.D., University of Iowa.

RICHARD T. BRADLEY, Assistant Professor of Philosophy . . . . (1975)
B.A., Eastern Nazarene College; Ph.D., University of Minnesota.

JAMES R. BUCHANAN, Assistant Professor of Welding . . . . (1959)

JANICE BUEHLER, Assistant Professor of Nursing . . . . (1974)
B.S., University of Oregon; M.S., University of Colorado; M.A., University of California, San Francisco.

RICHARD E. BULLINGTON, Professor of Education, Executive Vice President . . . . (1968)
B.S., Rutgers, M.A., Ed.D., University of Alabama.

JERRY BURK, Associate Professor of Communication . . . . (1975)
B.A., Fresno State College; M.A., University of Montana; Ph.D., University of Oklahoma.

RALPH L. BURKEY, Instructor in Drafting . . . . (1976)

ORVIS C. BURMASTER, Assistant Professor of English . . . . (1968)
B.S., Montana State College; M.A., University of Montana; South Dakota State College, Utah State College.

CLARA P. BURTCH, Associate Professor of Teacher Education and Library Science . . . . (1969)
B.A., M.A., College of Idaho.

SHERMAN BUTTON, Associate Professor of Physical Education . . . . (1976)
B.A., M.A., Eastern Washington State College; Ph.D., University of Utah.

MAXIMO J. CALLAO, Associate Professor of Psychology, Counselor . . . . (1971)
B.A., San Jose State College; M.S.Ed., Ph.D., Purdue University, University of Hawaii.

ERMA M. CALLIES, Instructor Vocational Counselor . . . . (1969)
B.S., South Dakota State University; M.Ed., University of Idaho.

R. RUSSELL CAMPBELL, Associate Professor of Physics . . . . (1970)
B.S., University of Washington, M.A., Ph.D., University of California, Irvine.

WILLIAM J. CARSON, Associate Professor of Accounting . . . . (1963)
B.S., University of Notre Dame; M.B.A., University of Denver; University of Wyoming.

LOREN S. CARTER, Associate Professor of Chemistry . . . . (1970)
B.S., M.S., Oregon State University; Ph.D., Washington State University.

JOHN A. CAYLOR, Professor of History . . . . . (1965)
A.B., Nebraska Teacher’s College; M.A., Ph.D., University of Nebraska.

RUSSELL CENTANNI, Assistant Professor of Biology, Chairman, Department of Biology . . . . (1973)
B.S., M.S., John Carroll University; Ph.D., University of Montana.

WILLA M. CHAFFEE, Instructor in Practical Nursing Program; Department Head, Health Occupations . . . . (1967)
R.N., St. Lukes Hospital; University of Colorado.

WAYNE CHATTERTON, Professor of English . . . . (1968)
B.S., M.A., Brigham Young University; Ph.D., University of Utah.

JAMES LEE CHRISTENSEN, Associate Professor of Sociology . . . . (1970)
B.S., Brigham Young University; M.A., University of Wyoming; Ph.D., University of Utah.

MARVIN CLARK, Professor of Business Education; Chairman, Department of Business Education & Office Administration . . . . (1969)
B.S., St. Cloud State College; M.A., Ph.D., University of Minnesota.

MELVIN M. CLARKSON, Instructor in Machine Shop . . . . (1974)
Diploma, Boise College.

MICHAEL E. CLEVELAND, Associate Professor of Music . . . . (1970)
B.A., San Jose State College; M.M., D.M.A., University of Oregon.

MARGARET A. COTITIS, Assistant Professor of English . . . . (1968)
B.S., Portland State College; M.A., Reed College; Oregon State College.

JAMES A. COFFMAN, Instructor in Allied Health . . . . (1976)
B.S., Georgia State University.

CONRAD COLBY, Assistant Professor of Health Sciences; Director, Respiratory Therapy Program . . . . (1970)
B.A., M.A., University of Montana.

JUDITH A. COLTRIN, Instructor; Supervisor of Directed Practice, Medical Record Technician . . . . (1972)
B.S., College of St. Mary.

CECILIA (TRUDY) COMBA, Associate Professor of Teacher Education . . . . (1970)
B.E., Duquesne University; M.Ed., University of Arizona; Ph.D., University of Oregon.

DORAN L. CONNOR, Assistant Professor of Physical Education, Head Basketball Coach . . . . (1969)
B.A., Idaho State University; M.S., Utah State University.

GENE COOPER, Professor of Physical Education; Chairman, Department of Physical Education . . . . (1967)
B.S., M.S., D.Ed., University of Utah.
DELBERT F. CORBETT, Assistant Professor of 
Theatre Arts ........................................... (1969)  
A. ROBERT CORBIN, Assistant Professor of Sociology .. (1967)  
B.A., Blackburn College; M.A., University of Washington;  
Th.M., Iliff School of Theology.  
ROBERT C. CORNWELL, Professor of Business  
Education ............................................ (1969)  
B.A., Wartburg College; M.A., Colorado State College;  
Ed.D., Arizona State University.  
LEONE COX, Associate Professor of Nursing ............. (1976)  
B.S.N., University of Nevada; M.A., University of Nebraska.  
T. VIRGINIA COX, Assistant Professor of Anthropology . (1967)  
B.A., San Diego State College; M.A., University of California  
at Davis; University of Oregon; University of Georgia.  
DAVID E. CRANE, Head Catalog Librarian,  
Assistant Professor .................................. (1969)  
B.A., California State University at San Francisco; M.A.,  
California State University at San Jose.  
G. DAWN CRANER, Instructor in Communication .......... (1975)  
B.A., Utah State University; M.A., Purdue University.  
BETTY L. CULLEY, Instructor in Art .................... (1976)  
A.B., M.A.T., Indiana University.  
BILL DARRELL CURTIS, Instructor in Auto Body ........ (1967)  
Diploma, Boise Junior College.  
ELIZABETH M. CURTIS, Instructor in Operating  
Room Technology ..................................... (1972)  
Diploma, Kansas City General Hospital, School of Nursing.  

D  
E. JOHN DAHLBERG Jr., Associate Professor of  
Teacher Education .................................... (1970)  
B.A., Pacific Lutheran University; M.A., Lewis & Clark Col-  
lege, Portland; Ed.D., University of Oregon.  
NORMAN F. DAHM, Professor of Engineering .......... (1953)  
B.S., M.Ed., University of Colorado; Agricultural and Mechani-  
cal College of Texas; University of Washington; Bucknell  
University.  
MARY DALLAS, Instructor in Practical Nursing .......... (1976)  
B.S., Oregon State University; R.N., Oregon University.  
JACK L. DALTON, Professor of Chemistry; Chairman,  
Department of Chemistry ............................ (1958)  
B.S., Nebraska State Teachers College; M.S., Kansas State  
University of Agriculture and Applied Science; Kansas State  
College, Oregon State University.  
A. JERRY DAVIS, Director High School &  
University Relations, Assistant Professor .............. (1968)  
B.Th., Northwest Christian College; B.A., Drake University;  
M.Ed., Utah State University.  
CHARLES GEORGE DAVIS, Professor of English:  
Chairman, Department of English ................... (1963)  
B.A., Middlebury College; M.A., University of California,  
Berkeley; Ph.D., University of North Carolina.  
ANNE N. DE LAURIER, Counselor, Associate Professor . (1967)  
B.A., The College of Idaho; M.S., University of Oregon; Ohio  
University. M.A., Boise State University; Ph.D. University of  
Oregon.  
JAMES B. DEMOUX, Assistant Professor of  
Communication ....................................... (1971)  
B.A., Brigham Young University; M.A., University of Monta-  
nia; Ph.D., University of Colorado.  
DONALD DEVEAU, Instructor in Art .................... (1976)  
B.S., M.F.A., Tufts University; M.A., Boston University.  
JERRY P. DODSON, Associate Professor of  
Psychology ................................ .......... (1970)  
B.A., Ball State University; M.S., Ph.D., Purdue.  
PAUL DONALDSON, Assistant Professor of  
Geophysics ........................................... (1975)  
Stanford University; B.S., University of Utah; Ph.D., Colora-  
do State University.  
Dennis Donoghue, Professor of Political Science .... (1973)  
B.S., M.A., Central Michigan University; Ph.D., Miami Uni-  
versity.  
PATRICIA M. DORMAN, Professor of Sociology ....... (1967)  
B.S., M.S., Ph.D., University of Utah.  
JAMES G. DOSS, Associate Professor of Management;  
Associate Dean; MBA Program Coordinator .......... (1970)  
B.S., University of California; M.S., The George Washington  
University; Ph.D., University of Utah.  
JAMES D. DOUGLASS, Jr., Assistant Professor of Art ..... (1972)  
B.S., Western Michigan University; M.F.A., Cranbrook  
Academy of Art.  
RICHARD R. DOWNS, Assistant Professor, Counselor ... (1975)  
B.S., Pacific University; M.A., Ball State; Ed.D.. Ball State.  
GERALD F. DRAAYER, Associate Professor of Economics  
Director, Center for Economic Research ............... (1976)  
B.A., Cavin College; M.A., Fairleigh Dickinson University;  
Ph.D., Purdue University; M.A., Ohio University.  
VICTOR H. DUKE, Professor of Pharmacology & Health  
Sciences Dean, School of Health Science .......... (1972)  
B.S. (Zool.), B.S. (Pharm.), Idaho State College; Ph.D., Univer-  
sity of Utah.  

E  
JOAN EDGEMON, Assistant Professor of Nursing ....... (1976)  
B.S.N., Washington University; M.S.N., University of Kansas  
Medical School.  
WILBER D. ELLIOTT, Professor of Music; Chairman,  
Department of Music ................................ (1969)  
B.A., University of Washington; M.E., Central Washington.  
ROBERT W. ELLIS, Associate Professor of Chemistry ... (1971)  
B.S., College of Idaho; M.S., Ph.D., Oregon State University.  
ROBERT EDWARD ERCISON, Associate Professor of Theatre  
Arts; Chairman, Department of Theatre Arts .......... (1970)  
B.S., Pacific University; M.A., Indiana University; Ph.D.,  
University of Oregon.  
STUART D. EVETT, Assistant Professor of English ........ (1972)  
B.A., University of the South (Sewanee); M.A., Vanderbilt  
University.  

F  
GENDER A. FAHLESON, Instructor of Physical  
Education ............................................ (1974)  
B.S., University of Nebraska - Lincoln; M.Ed., Bowling Green  
State University.  
DAVID JOHN FERGUSON, Associate Professor of  
Mathematics ......................................... (1970)  
B.S., Ph.D., University of Idaho.  
DENNIS B. FITZPATRICK, Associate Professor of  
Finance .................................................. (1972)  
B.S., University of Colorado; M.B.A., University of Santa  
Clara; D.B.A., University of Colorado.  
NANCY L. FLEMING, Associate Professor of Nursing .... (1963)  
B.S.N., University of Nebraska College of Medicine; M.S.N.,  
Montana State University.  
ALLAN WALKER FLETCHER, Associate Professor of  
History ............................................... (1970)  
B.S., Louisiana State University; M.A., Ph.D., University of  
Washington.  
MARIAN FLETCHER, Instructor; Curriculum Resource  
Librarian ............................................... (1974)  
A.B., Wheaton College; M.S.L.S., Louisiana State University.  

BOISE STATE UNIVERSITY  
Faculty
BOISE STATE UNIVERSITY
Faculty

CAROL FOUNTAIN, Assistant Professor of Nursing .................... (1967)
A.S., Boise Junior College; B.S.N., University of Washington; M.N., Montana State University.

E. COSTON FREDERICK, Professor of Education ................... (1971)
B.S. Ed., Indiana State Teacher's College; M.Ed., Temple University; Ph.D., Syracuse University.

JUDITH FRENCH, Assistant Professor of Teacher Education ................. (1976)
B.A., M.A., University of Northern Colorado; Ph.D., Florida State University.

ROBERT L. FRIEDEL, Associate Professor of Teacher Education ................. (1972)
B.S., M.Ed., Utah State University; Ph.D., University of Utah.

HARRY K. FRITCHMAN, II, Professor of Zoology .................... (1954)
A.A., Boise Junior College; B.A., M.A., Ph.D., University of California at Berkeley.

EARL H. FRY, Assistant Professor in Political Science ................ (1976)
B.A., M.A., Brigham Young University; Ph.D., University of California at Los Angeles.

ALBERT J. FUEHRER, Instructor in Auto Mechanics ................... (1965)
Northwest Nazarene College; Idaho State University; Specialized Automotive Training, United Motor Service, Tigard, Oregon; Allen Tune-Up School, Sun Tune-Up School; Carter Carburator Specialized training class; Rochester Specialized training class; Champion Technical Training School.

EUGENE G. FULLER, Professor of Zoology ...................... (1957)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

EUGENE I. FURUYAMA, Associate Professor of Mathematics ............ (1972)
B.A., Northwest Nazarene College; M.A., Ph.D., Washington State University.

CHARLOTTE B. GALE, Professor of Nursing ...................... (1976)
B.S., Douglass College, M.A., New York University; Ed.D., Stanford University.

NORMAN D. GARDNER, Assistant Professor Finance ...................... (1974)
B.A., M.B.A., Brigham Young University; Ph.D., University of Utah.

JERRY C. GEPHART, Associate Professor of Communications ........... (1972)
B.S., Western Michigan University; M.A., St. Louis University; Ph.D., University of Utah.

GERALD J. GLEASON, Jr., Instructor in Allied Health ................ (1976)
B.S., Incarnate Word College.

WILLARD H. GODFREY, Jr., Professor of Marketing .................. (1970)
B.S., Brigham Young University; M.S., University of Arizona; Ph.D., Montana State University; University of Colorado; Colorado State University.

SHARON GOLLICK, Instructor in Operating Room Technology .................. (1976)
Diploma, Toledo Hospital.

A. RICHARD GRANT, Associate Professor of Business Law ................. (1976)
B.B.A., University of Portland; M.B.A., Northwestern University; LL. B., Willamette University.

DAVID W. GREEN, Assistant Professor of Teacher Education and Library Science ................. (1975)
B.A., University of Northern Iowa; M.Div., McCormick Seminary; M.A.L.S., Rosary College.

FRANCES S. GRIFFITH, Instructor in Horticulture .................... (1971)
Lewiston Business College.

DAVID GROEBNER, Assistant Professor of Management ................. (1973)
B.S., University of Minnesota; M.E.A., Ph.D., University of Utah.

DON P. HAACKE, Assistant Professor:
General Librarian ................................................................ (1971)
B.A., M.L.S., University of Washington; Brigham Young University; Weber State College.

JAMES E. HADDEN, Assistant Professor of English ................... (1972)
B.A., Rhode Island College; M.A., University of Washington.

CLAYTON W. HAHN, Associate Professor of Engineering .................. (1948-52, 1963)
B.S. (M.E.), University of Colorado; University of Montana; State University College; University of California at Los Angeles; University of Southern California; University of Nebraska.

BENJAMIN HAMBELTON, Assistant Professor, Director of Educational Media Services .................. (1975)
B.S., Boise State University; M.Ed., Utah State University.

MARK HANSEN, Assistant Professor in English ..................... (1969)
B.A., M.A., San Francisco State College.

BONNIE HARRIS, Instructor in Dental Assisting ...................... (1976)
Diploma, Boise State University; State University of New York.

RICHARD HART, Professor in Economics; Director Center for Research, Grants and Contracts ................. (1965)
B.S., M.S., Utah State University; Ph.D., Kansas State University.

CAROL D. HARVEY, Associate Professor of Sociology .................. (1970)
B.S., University of Idaho; M.A., Ph.D., Washington State University.

JOHN P. HAYDON, Instructor in Auto Mechanics, Department Head, Mechanical Technologies ................. (1969)

ELIZABETH A. HAZELWOOD, Assistant Professor of Nursing ............... (1974)
B.S.N., M.S.N., Vanderbilt University.

FRANK K. HEISE, Assistant Professor of Theatre Arts ................ (1971)
B.S., Wisconsin State University; M.A., University of South Dakota.

R. GAIL HEIST, Instructor in Real Estate ...................... (1975)
A.A., Boise Junior College; B.S., University of Utah; M.B.A., Boise State College.

ROBERT A. HIBBS, Professor of Chemistry ...................... (1965)
B.S., M.S., University of Florida; Ph.D., Washington State University.

KENNETH L. HILL, Associate Professor of Teacher Education ................. (1968)
B.S., Illinois State University; M.A., College of Idaho; Oregon State University; Ed.D., University of Idaho.

LAVAR K. HOFF, Instructor in Food Service Technology .................. (1969)
B.S., Utah State University.

KENNETH M. HOLLENBAUGH, Professor of Geology, Chairman, Department of Geology, Dean of Graduate School ................. (1968)
B.S., Bowling Green State University; M.S., Ph.D., University of Idaho.

DONALD HOLLEY, Associate Professor of Economics .................... (1973)
B.A., Brigham Young University; M.A., University of Oregon; Ph.D., University of California at Riverside.

PATRICIA ANNE HOLMAN, Assistant Professor of Education ................. (1970)
B.S., Northern Montana College; M.S., University of Utah.

THEODORE HOPENBECK, Assistant Professor of Criminal Justice ................. (1967)
B.S., M.Ed., University of Arizona.

JAMES W. HOPPER, Assistant Professor of Music .................... (1970)
B.S., Julliard School; M.A., State University of Iowa; Washington State University.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>Robert C. Juola</td>
<td>Associate Professor of Mathematics</td>
<td>Boise State University</td>
</tr>
<tr>
<td>B.S., M.S.</td>
<td>University of Oregon</td>
<td></td>
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<tr>
<td>M. Ph. D.</td>
<td>Michigan State University</td>
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<tr>
<td>George Jocums</td>
<td>Professor of Foreign Language;</td>
<td>Chairman, Department of Foreign Languages</td>
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<tr>
<td>A.B., A.M.</td>
<td>Duquesne University</td>
<td>Ph. D., University of Michigan</td>
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<tr>
<td>Geraldine Johnson</td>
<td>Instructor in Home Economics</td>
<td>B.A., Northwest Nazarene; M.S., University of Idaho</td>
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<tr>
<td>Helen R. Johnson</td>
<td>Associate Professor of Office Administration</td>
<td>B.A., Northwest Nazarene College; University of Idaho</td>
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<tr>
<td>Howard J. Jensen</td>
<td>Professor of Teacher Education and Library Science</td>
<td>B.A., University of California</td>
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<tr>
<td>B.S.</td>
<td>Brigham Young University; M.L., Kansas State Teachers College</td>
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<tr>
<td>Gail Ison</td>
<td>Associate Professor of Psychology</td>
<td>B.S., Idaho State University; M.A., Brigham Young University; Ph. D.</td>
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<tr>
<td>J</td>
<td>University of Oregon</td>
<td>University of Oregon</td>
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<tr>
<td>Edward Jacoby</td>
<td>Assistant Professor of Physical Education; Head Track Coach</td>
<td>B.S., University of Idaho; M.S., University of Northern Colorado</td>
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<tr>
<td>Kathleen L. Knowlton</td>
<td>Professor of Marketing</td>
<td>B.S., M.S., University of Idaho; University of Oregon</td>
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<tr>
<td>Alfred Kober</td>
<td>Associate Professor of Art</td>
<td>B.S., M.S., Fort Hayes Kansas State College</td>
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<tr>
<td>Carroll Lambert</td>
<td>Associate Professor of Early Childhood Education</td>
<td>B.S., M.S., Ed.D., Utah State University</td>
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<tr>
<td>B.S.</td>
<td>University of Missouri</td>
<td>University of Idaho</td>
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<tr>
<td>Ellis Lamborn</td>
<td>Professor of Economics</td>
<td>B.S., Utah State University; M.S., University of Illinois; Ph. D., Cornell University; University of California</td>
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<tr>
<td>Max Lamborn</td>
<td>Instructor in Parts Counterperson</td>
<td>B.S., M.S., University of Idaho; University of Oregon</td>
</tr>
<tr>
<td>Daniel Godleib Lamet</td>
<td>Associate Professor of Mathematics, Department Head, Department of Mathematics</td>
<td>B.A., University of Michigan; M.A., Ph.D., University of Oregon</td>
</tr>
<tr>
<td>R. C. Lane</td>
<td>Associate Professor of Marketing</td>
<td>B.S., M.S., Kansas State College; University of Missouri</td>
</tr>
<tr>
<td>B.S.</td>
<td>University of Idaho</td>
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<tr>
<td>William La Rue</td>
<td>Instructor in Industrial Physics; Department Head, Specialized Subjects</td>
<td>B.S., Boise State University</td>
</tr>
<tr>
<td>Charles E. Lauterbach</td>
<td>Associate Professor of Theatre Arts</td>
<td>B.A., M.A., University of Colorado; Ph.D., Michigan State University</td>
</tr>
<tr>
<td>Richard V. Leary</td>
<td>Assistant Professor of English</td>
<td>B.S., University of San Francisco; M.A., University of Iowa; Ph. D., University of California; Davis</td>
</tr>
<tr>
<td>John C. Leigh, Jr.</td>
<td>Instructor in Drafting</td>
<td>Los Angeles Junior College</td>
</tr>
<tr>
<td>Malcolm E. Lehman</td>
<td>Assistant Professor of Allied Health</td>
<td>B.S., M.Ed., University of Missouri</td>
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<tr>
<td>Fenton C. Kelley</td>
<td>Assistant Professor of Zoology</td>
<td>B.S., M.S., University of New Mexico; Ph.D., University of California</td>
</tr>
<tr>
<td>B.S.</td>
<td>University of Kansas</td>
<td>Berkeley</td>
</tr>
<tr>
<td>Otis Kenny</td>
<td>Assistant Professor of Mathematics</td>
<td>A.B., Earlham College; M.A., Ph.D., University of Kansas</td>
</tr>
<tr>
<td>William Keppeler</td>
<td>Professor of Biology, Dean, School of Arts and Sciences</td>
<td>B.S., University of Miami; M.S., Ph.D., University of Illinois</td>
</tr>
<tr>
<td>John H. Killmaster</td>
<td>Associate Professor of Art</td>
<td>B.A., Hope College; M.F.A., Cranbrook Academy of Art; Universidad de Guana Juato, Mexico; Northern Michigan University; Michigan State University</td>
</tr>
<tr>
<td>Jay Adler King</td>
<td>Assistant Professor of English</td>
<td>B.S., Claremont Men's College; M.A., New York University</td>
</tr>
<tr>
<td>Louis J. King</td>
<td>Instructor in Auto Mechanics</td>
<td>B.A., M.A., University of Notre Dame</td>
</tr>
<tr>
<td>Richard S. Kinney</td>
<td>Instructor in Political Science</td>
<td>B.A., M.A., University of Notre Dame</td>
</tr>
<tr>
<td>Howard J. Kinslinger</td>
<td>Associate Professor of Management</td>
<td>B.S., Brandeis University; M.B.A., City College of New York; Ph.D., Purdue University</td>
</tr>
<tr>
<td>William F. Kirtland</td>
<td>Professor of Teacher Education and Library Science</td>
<td>Director of Reading Center; B.S., M.A., Bemidji State College Ed.D., Arizona State University</td>
</tr>
<tr>
<td>Leo L. Knowlton</td>
<td>Professor of Marketing</td>
<td>B.S., M.S., University of Idaho; University of Oregon</td>
</tr>
<tr>
<td>Alfred Kober</td>
<td>Associate Professor of Art</td>
<td>B.S., M.S., Fort Hayes Kansas State College</td>
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<td>Client</td>
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<tr>
<td>Name</td>
<td>Title</td>
<td>Institution</td>
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</tr>
<tr>
<td>THOMAS W. LEONHARDT</td>
<td>Assistant Professor, Acquisitions Librarian</td>
<td>B.A., M.L.S., University of California, Berkeley.</td>
</tr>
<tr>
<td>RAY LEWIS</td>
<td>Associate Professor of Physical Education</td>
<td>B.S.(ed.), M.Ed., University of Idaho.</td>
</tr>
<tr>
<td>PETER M. LICHTENSTEIN</td>
<td>Assistant Professor of Economics</td>
<td>B.A., M.S., Union College, M.A., Ph.D., University of Colorado.</td>
</tr>
<tr>
<td>GLENN UNDER</td>
<td>Instructor, Assistant Director, Area Vocational-Technical School</td>
<td>B.S., University of Idaho.</td>
</tr>
<tr>
<td>JOAN LINGENFELTER</td>
<td>Instructor in Child Care</td>
<td>B.S.. University of Cincinnati.</td>
</tr>
<tr>
<td>BARBARA A. LOHMEIER</td>
<td>Instructor in Teacher Education</td>
<td>B.S., University of Cincinnati.</td>
</tr>
<tr>
<td>ELAINE M. LONG</td>
<td>Assistant Professor of Home Economics</td>
<td>B.S., California State Polytechnic University; M.S., Iowa State University.</td>
</tr>
<tr>
<td>JAMES A. LONG</td>
<td>Associate Professor of Biology</td>
<td>A.A., Centerville Community College; B.S., Ph.D., Iowa State University.</td>
</tr>
<tr>
<td>HUGH T. LOVIN</td>
<td>Professor of History</td>
<td>B.A., Idaho State College; M.A., Washington State University; Ph.D., University of Washington.</td>
</tr>
<tr>
<td>ROBERT A. LUKE</td>
<td>Associate Professor of Physics</td>
<td>Diploma, Ricks College; B.S., M.S., Ph.D., Utah State University.</td>
</tr>
<tr>
<td>PHOEBE J. LUNDY</td>
<td>Associate Professor of History</td>
<td>B.S., M.S., Drake University.</td>
</tr>
<tr>
<td>MICHAEL T. LYON</td>
<td>Assistant Professor of Business Administration</td>
<td>B.B.A., University of New Mexico; M.B.A., University of California at Berkeley.</td>
</tr>
<tr>
<td>JACOB H. MACHNISS</td>
<td>Instructor in Dental Assisting</td>
<td>C.D.A., University of North Carolina; Boise Junior College; Idaho State University.</td>
</tr>
<tr>
<td>JAMES MAGUIRE</td>
<td>Associate Professor of English</td>
<td>B.A., University of Colorado; M.A., Ph.D., Indiana University.</td>
</tr>
<tr>
<td>GILES MALOOF</td>
<td>Professor of Mathematics</td>
<td>B.A., University of California; M.A., University of Oregon; Ph.D., Oregon State University; San Bernardino Valley Junior College; University of California at Los Angeles.</td>
</tr>
<tr>
<td>DARWIN W. MANSFIELD</td>
<td>Associate Professor of Office Administration</td>
<td>B.A., Northwest Nazarene College; M.S., Utah State University; Boise Junior College; University of Idaho; Ed.D., Brigham Young University.</td>
</tr>
<tr>
<td>RUTH A. MARKS</td>
<td>Associate Professor of Teacher Education and Library Science</td>
<td>B.A., Northwest Nazarene College; M.Ed., College of Idaho; Ed.D., University of Northern Colorado.</td>
</tr>
<tr>
<td>ROBERT L. MARSH</td>
<td>Assistant Professor of Criminal Justice Administration</td>
<td>B.S., Lamar University; M.A., Ph.D., Sam Houston State University.</td>
</tr>
<tr>
<td>CLYDE M. MARTIN</td>
<td>Associate Professor of Teacher Education; Associate Dean, School of Education</td>
<td>B.A., Linfield College; M.A., University of Oregon; Ed.D., Oregon State University.</td>
</tr>
<tr>
<td>EDWARD R. MATJEKA</td>
<td>Assistant Professor of Chemistry</td>
<td>B.S., St. Mary's University; Ph.D., Iowa State University.</td>
</tr>
<tr>
<td>CONSTANCE MATSON</td>
<td>Assistant Professor of Nursing</td>
<td>B.S., University of Oregon, M.Ed., University of Idaho.</td>
</tr>
<tr>
<td>RICHARD J. MCCLOSKEY</td>
<td>Assistant Professor of Biology</td>
<td>B.A., Franklin College of Indiana; M.S., Ph.D., Iowa State University.</td>
</tr>
<tr>
<td>NIKI A. MCCURRY</td>
<td>Assistant Professor of English</td>
<td>B.A., University of Wisconsin; M.A., University of Virginia; Ph.D., Northwestern University.</td>
</tr>
<tr>
<td>ANGUS MCDONALD</td>
<td>Professor of Teacher Education</td>
<td>B.A., College of Idaho; M.A., Colorado State University; Ed.D., University of Maryland; Stanford University; Claremont Graduate School; University of Idaho Graduate School; University of Washington.</td>
</tr>
<tr>
<td>ROBERT L. MCDOWELL</td>
<td>Assistant Professor; Reference Librarian</td>
<td>B.G.E., Omaha University; M.A., University of the Americas, Mexico (D.F.), M.A. in Librarianship, San Jose State College, University of Alabama, University of Maryland.</td>
</tr>
<tr>
<td>SHARON A. MCGUIRE</td>
<td>Assistant Professor of Real Estate</td>
<td>B.A., University of North Carolina, M.B.A., Ph.D., University of Texas.</td>
</tr>
<tr>
<td>ALISTAIR R. McMILLAN</td>
<td>Assistant Professor of Accounting</td>
<td>B.S., M.B.A., University of Montana.</td>
</tr>
<tr>
<td>ROBERT D. McWILLIAMS</td>
<td>Associate Professor of Marketing and Mid-Management</td>
<td>B.B.A., M.B.A., Texas Technological College; D.B.A., Texas Tech University.</td>
</tr>
<tr>
<td>WILLIAM P. MECH</td>
<td>Associate Professor of Mathematics, Chairman, Department of Mathematics; Director of Honors Program</td>
<td>B.A., Washington State University; M.S., Ph.D., University of Illinois.</td>
</tr>
<tr>
<td>JOHN J. MEDLIN</td>
<td>Associate Professor of Accounting</td>
<td>B.S., Idaho State University; M.B.A., University of Denver; C.P.A.</td>
</tr>
<tr>
<td>GARY D. MERCER</td>
<td>Assistant Professor of Chemistry</td>
<td>B.S., University of Montana; M.S., Ph.D., Cornell University.</td>
</tr>
<tr>
<td>C. M. MERZ</td>
<td>Associate Professor of Accounting</td>
<td>B.M.E., Villanova University; M.B.A., California State College at Long Beach; D.B.A., University of Southern California; CPA, CMA.</td>
</tr>
<tr>
<td>M. METZGER</td>
<td>Instructor in Office Occupations</td>
<td>B.G.E., Omaha University; M.A., University of the Americas, Mexico (D.F.), M.A. in Librarianship, San Jose State College, University of Alabama, University of Maryland.</td>
</tr>
<tr>
<td>CARROLL J. MEYER</td>
<td>Professor of Music</td>
<td>B.M., University of Michigan; Private study with Ethel Leginska and Cecile de Horvath; M.A., University of Iowa.</td>
</tr>
<tr>
<td>CHARLES MIKESSELL</td>
<td>Instructor in Auto Mechanics</td>
<td>FLORENCE M. MILES, Professor of Nursing</td>
</tr>
<tr>
<td>M. MILES</td>
<td>Professor of Nursing</td>
<td>Diploma, School of Nursing, St. Luke's Hospital; B.S.N.E., M.N., University of Washington; University of California at Los Angeles; Lewis-Clark Normand School; University of Colorado.</td>
</tr>
<tr>
<td>DEAN MILLARD</td>
<td>Instructor in Electronics</td>
<td>A.S., Boise Junior College; B.S.E.E., University of Idaho.</td>
</tr>
<tr>
<td>KEITH MILLARD</td>
<td>Instructor in Electronics</td>
<td>BEVERLY MILLER, Assistant Professor, Inter-Library Loan Librarian</td>
</tr>
<tr>
<td>GILBERT MCDONAL MILLER</td>
<td>Instructor; Director, Area Vocational-Technical School</td>
<td>DEAN MILLARD, Instructor in Electronics; A.S., Boise Junior College; B.S.E.E., University of Idaho.</td>
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<tr>
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<td>B.A., Thiel College, Greenville, Pa., M.A. in Librarianship, University of Denver</td>
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<td>GILBERT MCDONAL MILLER, Instructor; Director, Area Vocational-Technical School</td>
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<td>Idaho State University, Certificate, Mid-West Motive Trades Institute</td>
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<tr>
<td>Name</td>
<td>Title/Role</td>
<td>Institution/University</td>
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<tr>
<td>JEROLD MILLIER</td>
<td>C.P.A., Assistant Professor of Accounting</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>LELAND L. MINK</td>
<td>Assistant Professor of Geology</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>JOHN W MITCHELL</td>
<td>Associate Professor of Economics</td>
<td>Williams College</td>
</tr>
<tr>
<td>ROSS S. NICKERSON</td>
<td>Assistant Professor in English</td>
<td>Boise College, University of Utah</td>
</tr>
<tr>
<td>PAMELA J. NICKLESS</td>
<td>Assistant Professor of Economics</td>
<td>Indiana State University</td>
</tr>
<tr>
<td>DAVID E. NIX</td>
<td>Assistant Professor of Management</td>
<td>L.A. Salle University</td>
</tr>
<tr>
<td>HAROLD NIX</td>
<td>Professor of Accounting, Chairman</td>
<td>Western State College</td>
</tr>
<tr>
<td>DONALD OAKES</td>
<td>Associate Professor of Music</td>
<td>Northwestern University</td>
</tr>
<tr>
<td>DIANA OBENAUER</td>
<td>Assistant Professor of Nursing</td>
<td>Sacramento State College</td>
</tr>
<tr>
<td>F. DENIS OCHI</td>
<td>Assistant Professor of Art</td>
<td>University of California</td>
</tr>
<tr>
<td>CHARLES M. ODENHOLZ</td>
<td>Assistant Professor of History</td>
<td>California State University</td>
</tr>
<tr>
<td>JOHN T. OGDEN</td>
<td>Instructor in Welding, Department Head</td>
<td>Diplomas, Boise Junior College, Special Training and Experience in Welding</td>
</tr>
<tr>
<td>MAMIE O. OLIVER</td>
<td>Assistant Professor of Social Work</td>
<td>Los Angeles City College, California State University</td>
</tr>
<tr>
<td>PHYLLIS OLIVER</td>
<td>Instructor in Practical Nursing</td>
<td>Diplomas, St. Alphonson School of Nursing</td>
</tr>
<tr>
<td>THOMAS OLSON</td>
<td>Instructor in Applied Mathematics</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>DAVID L. ORAVEZ</td>
<td>Associate Professor of Art</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>GLORIA J. OSTRANDER</td>
<td>Assistant Professor;</td>
<td>Boise College, University of Washington</td>
</tr>
<tr>
<td>PATRICIA K. OURADA</td>
<td>Professor of History</td>
<td>College of Saint Catherine, University of Colorado</td>
</tr>
<tr>
<td>WILLARD K. OVERGAARD</td>
<td>Professor of Political Science; Chairman</td>
<td>Boise Junior College, University of Idaho</td>
</tr>
<tr>
<td>ARNOLD PANITCH</td>
<td>Assistant Professor of Social Work</td>
<td>Western Michigan University</td>
</tr>
<tr>
<td>HERBERT D. HANFFUS</td>
<td>Associate Professor of Botany</td>
<td>University of Utah</td>
</tr>
<tr>
<td>DONALD J. PARKS</td>
<td>Assistant Professor of Physical Science and Engineering</td>
<td>Colorado State University</td>
</tr>
<tr>
<td>MAX G. PAVESIC</td>
<td>Associate Professor, Societal and Urban Studies</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>RICHARD D. PAYNE</td>
<td>Associate Professor of Economics</td>
<td>Utah State University</td>
</tr>
<tr>
<td>LOUIS A. PECK</td>
<td>Professor of Art; Chairman</td>
<td>Southern California University</td>
</tr>
<tr>
<td>MARGARET PEEK</td>
<td>Associate Professor of English</td>
<td>University of Alaska</td>
</tr>
<tr>
<td>JUNE R. PENNER</td>
<td>Assistant Professor of Nursing</td>
<td>University of California</td>
</tr>
<tr>
<td>ELLIS RAY PETERSON</td>
<td>Professor of Chemistry</td>
<td>Utah State University</td>
</tr>
<tr>
<td>CHARLES D. PHILLIPS</td>
<td>Professor of Management</td>
<td>DePauw University</td>
</tr>
<tr>
<td>JOHN L. PHILLIPS, Jr.</td>
<td>Professor of Psychology, Chairman</td>
<td>Reed College, University of Idaho</td>
</tr>
<tr>
<td>C. HARVEY PITMAN</td>
<td>Associate Professor of Communication</td>
<td>College of Idaho</td>
</tr>
<tr>
<td>PAUL PROCTOR</td>
<td>Instructor in Art</td>
<td>Brigham Young University</td>
</tr>
<tr>
<td>HOWARD L. PUCKETT</td>
<td>Associate Professor of Accounting</td>
<td>Michigan State University</td>
</tr>
</tbody>
</table>
QUINOWSKI, Instructor; Vocational Counselor. (1970)
B.S.Ed., Southern Oregon College.

DAVID W. RAYBORN, Assistant Professor of Communication. (1969)
B.A., Idaho State University; M.S., Southern Illinois University.

GREGORY RAYMOND, Assistant Professor of Political Science. (1975)
B.A., Park College; M.A., Ph.D., University of South Carolina.

GERALD R. REED, Associate Professor of Education, Coordinator of Grants & Contracts. (1967)
B.S., University of Wyoming; M.Ed., University of Idaho; Ed.D., Washington State University.

RICHARD J. REIMANN, Assistant Professor of Physics. (1974)
B.S., South Dakota School of Mines and Technology; M.S., Ph.D., University of Washington.

JAMES W. RILEY, Instructor in Communication. (1975)
B.A., Washburn University; M.F.A., Texas Christian University.

GEORGE F. ROBERTS, Assistant Professor of Art. (1970)
B.A., San Diego State College; M.A., M.F.A., University of Iowa.

JOHN B. ROBERTSON, Associate Professor of Foreign Languages. (1974)
B.A., Idaho State University; M.A., Ph.D., University of Arizona.

W. JAMES ROBERTSON, Instructor in Nursing. (1976)

ELAINE ROCKNE, Instructor in Medical Records Technology; Director, Medical Records Technician Program. (1968)
B.A., College of St. Scholastica, Duluth, Minnesota.

ROGER RODRICK, Associate Professor of Management & Finance. (1976)
B.S., Eastern Illinois University; M.S., Ph.D., University of Illinois.

JAMES K. RUSSELL, Associate Professor of Art. (1969)
A.B., Sand Diego State College; M.A., M.F.A., University of Iowa.

ASA M. RUYLE, Professor of Education, Vice-President for Financial Affairs. (1976)
B.S., M.Ed., Ed.D., University of Missouri.

ROBERT C. RYCHERT, Assistant Professor of Microbiology. (1975)
B.S., Cornell University; M.A., San Francisco State; Ph.D., Utah State University.

NORMA JEAN SADLER, Assistant Professor of Teacher Education and Library Science. (1973)
A.B., University of California at Los Angeles; M.A., California State University at Long Beach; Ph.D., University of Wisconsin.

CHAMAN L. SAINI, Assistant Professor of English. (1975)
B.A., Bareilly College; India; M.A., Lucknow University, India; M.A., University of Rhode Island; Ph.D., Wayne State University.

MICHAEL L. SAMBALL, Assistant Professor of Music. (1976)
B.F.A., University of Florida; M.M., North Texas State University.

RICHARD K. SANDERSON, Assistant Professor of English. (1971)
B.A., University of California, Berkeley; M.A., Ph.D., New York University.

MARTIN W. SCHEFFER, Professor of Sociology. (1964)
A.A., Diablo Valley College; B.S., M.S., University of Oregon; Ph.D., University of Utah.

JACK ALBERT SCHLAFFLE, Assistant Professor of Education; Director, Educational TV. (1971)
B.A., University of Northern Colorado; M.P.A., University of Colorado.

PAUL A. SCHLAFFLY, Jr., Assistant Professor of Art. (1970)

PHYLLIS SCHMALJOHN, Assistant Professor of Teacher Education and Library Science. (1975)
A.A., Boise Junior College; B.A., Boise State College; M.A., Ed.D., University of Northern Colorado.

ANDREW B. SCHREDINGER, Assistant Professor of Philosophy. (1972)

MARY A. SCOES, Instructor in Industrial Communications. (1971)
A.A., Boise Junior College; B.A., College of Idaho; University of Idaho; Idaho State University; San Francisco State University; Boise State University.

HENRIETTA S. SCHOCKNER, Assistant Professor of Foreign Languages. (1974)
A.B., Bryn Mawr College; M.A., Ph.D., McGill University.

MYRL SCHROEDER, Instructor in Small Engine Repair. (1976)

LEDA S. SCRIMSHIER, Associate Professor of Home Economics; Chairman, Department of Home Economics. (1974)
B.S., M.S., University of Idaho; Ph.D., Ohio State University.

DUSTON R. SCUDDER, Professor of Marketing; Chairman, Department of Marketing and Mid-Management. (1964)
B.S. in Business Administration; M.A., University of Denver; Ed.D., Oregon State University; University of Colorado; Colorado State University.

GLENN E. SELANDER, Assistant Professor of English. (1966)
B.A., Southwestern University; M.A., Utah State University; Perkins School of Theology; Southern Methodist University; University of Utah.

JOHN E. SEVERANCE, Associate Professor of Engineering. (1967)
B.S., University of Idaho; M.S., University of Arizona.

WILLIAM E. SHANKWEILER, Professor of Theatre Arts; Associate Dean, School of Arts and Sciences. (1956)

PATRICK W. SHANNON, Assistant Professor of Management & Finance. (1974)
B.S., M.S., University of Montana; Ph.D., University of Oregon.

MELVIN L. SHEARON, Associate Professor of Music. (1968)
B.M.E., Wichita State University; Boise College; M.M., University of Idaho.

WILLIAM R. SICKLES, Professor of Psychology. (1968)
B.A., Wittenberg College; M.A., Columbia University; Ph.D., University of California at Berkeley.

ROBERT C. SIMS, Associate Professor of History. (1970)
B.A., Northeastern Oklahoma State College; M.A., University of Oklahoma; Ph.D., University of Colorado.

RAMLAKH K. SINGH, Assistant Professor of Teacher Education and Library Science; Coordinator, Field Experiences. (1975)
B.S., Mankato State College; M.A., Ed.D., University of Northern Colorado; Greeley.

WILLIAM G. SKILLERN, Professor of Political Science. (1971)
B.S., Linfield College; M.S., University of Oregon; Ph.D., University of Idaho.
ARNY R. SKOV, Associate Professor of Art .......................... (1967)
A.A., Boise Junior College; B.A., M.F.A., University of Idaho; California College of Arts and Crafts.

FRANK H. SMARTT, Assistant Professor of Mathematics .......................... (1958)

BERYL J. SMITH, Assistant Professor of Registered Nursing .......................... (1972)
B.S., University of Utah; M.Ed., University of Illinois.

DONALD D. SMITH, Professor of Psychology .......................... (1967)
A.B., Nebraska State Teachers College; M.Ed., Whittier College; M.Ed., Ed.D., University of Southern California.

JESSE M. SMITH, Professor of Management and Finance, Chairman of Department of Management and Finance .......................... (1975)
B.S., B.A., M.B.A.; Ph.D., University of Denver.

JO ELLEN SMITH, Assistant Professor of Mathematics .......................... (1976)
B.S., M.A., Ph.D., Bowling Green University.

LYLE SMITH, Professor of Physical Education, Director of Athletics .......................... (1946)
B.S. (Ed.), M.S. (Ed.), University of Idaho; San Diego State College.

RAY SMITH, Instructor in Food Service .......................... (1973)
Fullerton Junior College.

WILLIAM SMITH, Assistant Professor of Physics and Engineering .......................... (1973)
B.A., A.M., Ph.D., University of Wisconsin.

MARK E. SNOW, Associate Professor of Psychology .......................... (1971)
B.A., Eastern Washington College of Education; M.A., Ph.D., University of Utah.

STEPHEN E. SPAFFORD, Instructor in Political Science, Associate Dean, Admissions and Records .......................... (1972)
B.A., Dartmouth College; M.A., University of Oregon.

CLAUSE SPINOSA, Professor of Geology .......................... (1970)
B.S., City College of New York; M.S., Ph.D., The University of Iowa.

FRANK W. STARK, Professor of Chemistry and Physical Science .......................... (1957-62, 1967)
B.S., M.S., Trinity College; University of Denver.

HARRY L. STEGER, Assistant Professor of Psychology .......................... (1972)
B.A., University of California, Berkeley; B.D., Berkeley Baptist Divinity School; M.S., California State College; Ph.D., University of Kentucky.

THOMAS E. STITZEL, Professor of Management and Finance .......................... (1975)
B.S., Washington State University; M.B.A.; Ph.D., University of Oregon; C.F.A.

JANET M. STRONG, Assistant Professor; Circulation Librarian .......................... (1973)
A.A., Treasure Valley Community College; B.A., Eastern Oregon State College; M.L.S., University of Washington.

MARCUS M. SUGIYAMA, Assistant Professor of Mathematics .......................... (1974)
B.A., Eastern Washington State College; M.S., Western Washington State College; Ph.D., Washington State University.

LADDIE J. SULA, Assistant Professor of Economics .......................... (1975)
B.A., Loras College; M.A., University of Illinois, Urbana; Ph.D., Georgia State University.

ROBERT A. SULANKE, Associate Professor of Mathematics .......................... (1970)
B.A., Earlham College; M.S., Case Institute of Technology; Ph.D., University of Kansas.

CLARK SWAIN, Associate Professor of Marriage and Family Studies - Home Economics .......................... (1976)
B.S., Brigham Young University; Ph.D., Florida State University.

COLEEN SWEENEY, Assistant Professor of Physical Education .......................... (1975)
B.A., M.A., California State University-Chico.

ROBERT B. SYLVESTER, Associate Professor of History .......................... (1963)
A.A., Boise Junior College; B.A., M.A., University of California, Santa Barbara.

YOZO TAKEDA, Professor of Mathematics .......................... (1969)
B.S., University of Michigan; M.A., University of Missouri; Ph.D., University of Idaho.

JOHN S. TAKEHARA, Professor of Art .......................... (1968)
B.A., Walla Walla College; M.A., Los Angeles State College; University of Hawaii.

JOHN A. TAYE, Instructor in Art .......................... (1975)
B.F.A., University of Utah; M.F.A., Otis Art Institute of Los Angeles County.

DAVID S. TAYLOR, Professor of Psychology, Vice-President for Student Affairs .......................... (1972)
B.S.Ed., Northern Illinois University; M.S.Ed., Southern Illinois University; Ph.D., Michigan State University.

PATRICIA A. TAYLOR, Instructor in Nursing .......................... (1976)
B.S., Duquesne University.

RONALD S. TAYLOR, Instructor in Art .......................... (1975)
B.A., Boise State; M.F.A., Utah State University.

WILLIAM K. TAYLOR, Professor of Music .......................... (1971)
B.M., Cornell College; M.M., Indiana University.

GEORGE THOMASON, Instructor in Music .......................... (1975)
B.A., College of Idaho.

NAN M. THOMASON, Assistant Professor of Nursing .......................... (1967)
R.N., St. Luke's Hospital; B.S., Montana State University; M.Ed., University of Idaho.

CONNIE M. THORNGREN, Assistant Professor of Physical Education .......................... (1970)
B.A., Idaho State University; M.Ed., Central Washington State College.

STEVEN DAVID THURBER, Associate Professor of Psychology .......................... (1970)
B.S., M.S., Brigham Young University; Ph.D., University of Texas, Austin.

CARL T. TITON, Associate Professor of Management .......................... (1965)
Iowa Wesleyan College; University of Washington; George Washington University; M.B.A., University of Chicago.

JAMES W. TOMPINS, Assistant Professor of Industrial Communications .......................... (1963)
A.B., Wheaton College; B.D., Th.B., Westminster Theological Seminary; University of Pennsylvania; Harvard University.

DAVID P. TORBERT, Professor of Psychology, Director of Counseling and Testing Center .......................... (1966)
B.S., Pacific University; M.A., University of Oregon; Ph.D., University of Colorado.

MARY ANN TOWLE, Instructor in Practical Nursing .......................... (1976)
B.S., Idaho State University.

DEAN C. TOWNSEND, Assistant Professor of English .......................... (1970)
B.A., University of California at Berkeley; M.A., San Francisco State College; University of California, Santa Barbara; San Jose State College.

WARREN TOZER, Associate Professor of History .......................... (1969)
B.A., Washington State University; Ph.D., University of Oregon.

LARRY B. TRIMBLE, Instructor, Vocational Counselor .......................... (1974)
Boise Junior College; B.S., M.A., Northern Arizona University.

GLENDA TRUMBO, Instructor in Office Occupations, Department Head, Service Occupations .......................... (1976)
BOISE STATE UNIVERSITY
BOISE STATE UNIVERSITY
Faculty

ANTHONY THOMAS TRUSKY, Assistant Professor of English (1970)
B.A., University of Oregon; M.A., Northwestern University; Trinity College; Dublin.

JERRY L. TUCKER, Associate Professor of Education (1971)
B.S., M.N.S., University of Idaho; Ph.D., University of Washington.

WALTER TUCKER, Instructor in Air Conditioning (1975)
Diploma, Idaho State College; Air Conditioning and Refrigeration.

V

JOANNA T. VAHEY, Associate Professor; Associate Dean, School of Health Sciences; Chairman, Department of Registered Nursing (1973)
B.S.N.Ed., College Misericordia; M.S.N., Catholic University; Ed.D., Columbia University.

LUIS J. VALVERDEZ, Professor of Romance Languages (1965)
B.A., Mankato State College; B.S., Southern Illinois University; M.A., University of Illinois; Ed.D., University of California at Los Angeles; University of Michigan; University of Washington; University of Texas; University of Indiana.

ROSE E. VAUGHN, Assistant Professor of Physical Education; Head Baseball Coach (1973)
A.A., Riverside City College; B.A., Chico State College; M.S., Washington State University.

WARREN VINZ, Professor of History, Chairman, Department of History (1968)
Lincoln College; B.A., Sioux Falls College; B.D., Berkeley Baptist Divinity School; M.A., Ph.D., University of Utah.

W

WENDEN W. WAITE, Assistant Professor of Teacher Education (1976)
B.S., M.S., Ph.D., Utah State University.

LARRY L. WALDORF, Associate Professor of Management (1970)
B.S., M.S., Colorado State University; Ph.D., Colorado State University.

ED WALKER, Assistant Professor of Teacher Education (1976)
B.S., Wayne State College; M.A., Ed.D., University of Nebraska.

EUNICE WALLACE, Associate Professor of English (1968)
B.A., College of Idaho; Ed.M., Ph.D., Oregon State University; University of California; American University; Idaho State University; University of Utah.

GERARD R. WALLACE, Professor of Education; Dean, School of Education (1968)
B.A., College of Idaho; M.A., University of California; Ed.D., University of Oregon; Whitman College; Colorado State College; Oxford University.

STEVEN R. WALLACE, Assistant Professor of Physical Education (1972)
B.S., Boise State College; M.S., University of Utah.

FREDERICK R. WARD, Associate Professor of Mathematics (1969)
B.S., William and Mary; M.S., University of Colorado; Ph.D., Virginia Polytechnic Institute and State University.

KATHLEEN C. WARNER, Professor of Geology (1987)
A.B., M.A., Brigham Young University; Ph.D., State University of Iowa; University of Utah; Cambridge University.

MONT M. WARNER, Professor of Geology (1967)
A.B., M.A., Brigham Young University; Ph.D., State University of Iowa; University of Utah; Cambridge University.

TARMO WATIA, Assistant Professor of Art (1969)
B.S., M.F.A., University of Michigan.

DONALD J. WATTS, Instructor in Drafting (1973)
B.S.C.E., University of Idaho.

WILLIAM L. WAUGH, Instructor in Utility Lineman (1976)

E. ALLEN WESTON, Associate Professor of Drafting-Design (1964)
B.F.A., University of Arizona; M.Ed., Idaho State University; Jefferson Machamer School of Art, Art Center School; USA Engineering Drafting School; College of Idaho.

WAYNE E. WHITE, Associate Professor of Business Program Director, Aviation Management (1965)
B.S., Northern Arizona University; M.A., Arizona State University; University of Arizona; Wichita State University.

MARCIA C. WICKLOW, Assistant Professor of Biology (1975)
B.A., M.A., San Francisco State College; Ph.D., Oregon State University.

MARGUERITE L. WILCOX, Associate Professor of Nursing (1972)
B.S., Loma Linda University; M.N., University of California, Los Angeles.

EDWIN E. WILKINSON, Associate Professor of Psychology, Dean of Student Advisory and Special Services (1958)
B.A., Whitworth College; M.S., Washington State University; University of Oregon; University of Akron.

MARJORIE WILLIAMSON, Associate Professor of Office Administration, Faculty Senate Secretary (1967)
B.S.(Ed.), University of Kansas; M.B.(Ed.), University of Idaho; Washington State University.

LONNIE L. WILLIS, Associate Professor of English (1970)
B.A., North Texas State; M.A., University of Texas; Ph.D., University of Colorado.

MONTE D. WILSON, Professor of Geology (1969)
B.S., Brigham Young University; M.N.S., Ph.D., University of Idaho.

JAMES WILTERDING, Associate Professor of Management & Finance (1976)
B.A., Seattle University; M.B.A., University of Oregon; D.B.A., Texas Tech University.

ELLA MAE WINANS, Associate Professor of Mathematics (1958)
B.S., University of Oregon; M.S., New York University; Idaho State University.

BOYD WRIGHT, Assistant Professor of Art (1970)
B.F.A., Utah State University; M.F.A., University of Idaho.

CHARLES D. WRIGHT, Professor of English (1972)
B.A., Wayne State University; M.A., University of Wisconsin; Ph.D., University of Iowa.

GILBERT A. WYLIE, Associate Professor of Biology (1955)
B.S., College of Idaho; M.A., Sacramento State College; Ph.D., Purdue University; Oregon State University; University of Oregon.

Y

JERRY YOUNG, Associate Professor of Mathematics (1964)

JOHN R. YOUNG, Professor of Marketing (1967)
B.Ed., Whitewater State College, Wisconsin; M.A., Ph.D., University of Iowa.

MIKE M. YOUNG, Assistant Professor of Physical Education; Head Wrestling Coach (1970)
B.A., M.A., Brigham Young University.

VIRGIL M. YOUNG, Professor of Education (1967)
B.S., M.Ed., Ed.D., University of Idaho.

DOUGLAS YUNKER, Associate Professor of Social Work, Department Head (1976)
B.S., Western Michigan University; M.A., Indiana University.

Z

MICHAEL P. ZIRINSKY, Assistant Professor of History (1973)
A.B., Oberlin College; M.A., American University; Ph.D., University of North Carolina at Chapel Hill.
EMERITI

DOROTHY ALBERTSON, Associate Professor of Office Administration (1953-1977)

THELMA F. ALLISON, Associate Professor of Home Economics (1946-1973)

C. GRIFFITH BRATT, Professor of Music, Composer Artist in Residence (1946-1976)

WILLIAM S. BRONSON, Professor of Psychology (1954-1970)

ELSIE BUCK, Professor of Mathematics (1932-1934, 1937-1968)

VINA BUSHBY, Associate Professor of Secretarial Science (1946-1965)

EUGENE B. CHAFFEE, President (1932-1967)

ACEL H. CHATBURN, Professor of Education (1944-1977)

ROBERT deNEUFville, Professor of Foreign Language (1949-1973)

CLISBY T. EDLEFSEN, Professor of Business (1939-1969)

J. CALVIN EMERSON, Associate Professor of Chemistry (1933-1940, 1960-1973)

EVELYN EVERTS, Associate Professor, Reference Librarian (1957-1977)

MARJORIE FAIRCHILD, Associate Professor of Library Science (1966-1975)

MILTON FLESHMAN, Assistant Professor of Auto Mechanics (1959-1974)

LUCILLE T. FORTER, Instructor in Voice (1932-1962)

JOHN F. HAGER, Associate Professor of Machine Shop (1954-1969)

ADA Y. HATCH, Professor of English (1932-1967)

ALICE H. HATTON, Registrar (1959-1974)

KENNETH L. HILL, Associate Professor of Education (1962-1970)

DORIS KELLY, Associate Professor of Nursing (1958-1977)

NOEL KRIGBAUM, Assistant Professor of Vocational-Technical Education (1955-1975)

ADELAIDE ANDERSON MARSHALL, Assistant Professor of Music (1939-1948, 1966-1972)

RUTH McBRINEY, Professor, Head Librarian (1940-1942, 1953-1977)

KATHRYN ECKHARDT MITCHELL, Instructor in Violin (1932-1938, 1939-1972)

avery F. PETERSON, Assistant Professor of Political Science (1965-1975)


Hazel Mary Roe, Associate Professor of Office Administration (1942-1944, 1947-1969)

Harold Snell, Assistant Professor of Auto Mechanics (1958-1969)

Joseph B. Spulnik, Professor of Chemistry, Dean of the School of Arts and Sciences (1941-1976)

Albert H. Tennyson, Instructor in Industrial Communications (1966-1977)

lyle F. Trapp, Assistant Professor of Auto Body (1953-1967)

G.W. Underkofler, Associate Professor of Accounting (1952-1974)

John E. Warwick, Associate Professor of Communication (1963-1977)

Helena Westfall, Associate Professor of Physical Education (1962-1970)


ADVISORY BOARDS

SCHOOL OF HEALTH SCIENCES

Environmental Health
Mr. Melvin Alsager, Boise
Dr. Eldon Edmundson, Boise
Ms. Nancy Ann Goodell, Boise
Mr. David Hand, Boise
Mr. Jack Jelke, Pocatello
Dr. Donald J. Obee, Boise
Mr. Jack Ross, Sandpoint
Dr. Lee Sokes, Boise
Dr. Russell J. Centanni, Boise

Respiratory Therapy
Gary Aiman, Boise
Lonny Ashworth, Boise
James J. McCabe, M.D., Nampa
William Meehan, M.D., Boise
David K. Merrick, M.D., Boise
David V. Nuerenberg, A.R.T., Caldwell
Charles E. Reed, M.D., Caldwell
David K. Ricks, M.D., Boise
Nicola Yates, Boise

Nursing
Lorraine Barr, R.N., Boise
JoAnna DeMeyer, R.N., Boise
Betty Gull, R.N., Emmett
Jean Hansen, R.N., Caldwell
Dorothy Krawczyk, R.N., Boise
Laura Larson, R.N., Boise
Jacqueline Mason, R.N., Boise
Clayton C. Morgan, M.D., Boise
Katherine Nelson, Boise
Mary Nelson, R.N., Boise
Celeste Rush, R.N., Boise
Betty Vivian, R.N., Nampa

Respiratory Therapy
C. W. Barrick, M.D., Boise
Carolyn Beaman, R.T., Boise
David W. Bennett, M.D., Caldwell
Tom Davies, R.T., Boise
Jona Knight, R.T., Boise
Robert A. Luke, Ph.D., Boise
Carol Short, R.T.T., Boise

Radiologic Technology
C. W. Barrick, M.D., Boise
Carolyn Beaman, R.T., Boise
David W. Bennett, M.D., Caldwell
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Jona Knight, R.T., Boise
Robert A. Luke, Ph.D., Boise
Carol Short, R.T.T., Boise
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