POLICY STATEMENT CONCERNING CATALOG CONTENTS

The purpose of the Boise State Catalog is to provide current, articulate and accurate information about Boise State University for guidance of prospective students, for faculty and administrative officers, for students currently enrolled, and for other education or allied agencies.

Catalogs, bulletins, course and fee schedules, etc., are not to be considered as binding contracts between Boise State University and students. The university and its divisions reserve the right at any time, without advance notice, to: (a) withdraw or cancel classes, courses, and programs; (b) change fee schedules; (c) change the academic calendar; (d) change admission and registration requirements; (e) change the regulations and requirements governing instruction in, and graduation from, the university and its various divisions; and (f) change any other regulations affecting students. Change shall go into force whenever the proper authorities so determine, and shall apply not only to prospective students but also to those who are matriculated at the time in the university. When economic and other conditions permit, the university tries to provide advance notice of such changes. In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are making normal progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.

It is the policy of Boise State University to provide equal educational and employment opportunities, services, and benefits to students and employees without regard to race, color, national origin, sex, creed, age or handicap in accordance with Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 799A and 845 of the Public Health Act, and Sections 503 and 504 of the Rehabilitation Act of 1973, where applicable, as enforced by the U.S. Department of Health, Education, and Welfare.

NOTE

The courses contained in this catalog do not preclude or limit the University in its offerings for any semester or session nor does it restrict the University to the time block (semester) represented by the approved academic calendar.

Boise State University can and will respond to the educational needs and wants of any and all students when expressed. Requests for courses to be offered whenever they are desired will be favorably received providing that a minimum of 12 qualified students enroll in the class and a competent faculty member is available to teach the course.
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BOISE STATE UNIVERSITY
CATALOG 1984-85
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# CALENDAR

## BOISE STATE UNIVERSITY CALENDAR — 1984-85

### SUMMER SESSION 1984

**June 1, Friday**
- Registration in Pavilion, 3:00-7:00 p.m.
  (Students can register for all summer sessions at this time).

**June 4, Monday**
- Classes begin for 8-week, 10-week and first 5-week sessions.

**June 15, Friday**
- Last day to file with department for admission to candidacy for Masters Degree - Departmental Office.
- Last day to file application for graduation for Masters, Baccalaureate, and two-year or less degrees, diplomas, and certificates - Registrar's Office.

**July 4, Wednesday**
- Holiday

**July 6, Friday**
- First 5-week session ends.

**July 9, Monday**
- Classes begin for second 5-week session.

**July 27, Friday**
- End of 8-week session.

**August 10, Friday**
- End of 10-week session and second 5-week session.

### FALL SEMESTER 1984

**June 14-16, Thursday**
- New Student Early Registration - Student Union. To be eligible to participate, a student must submit an application and be accepted by BSU no later than June 1, 1984.

**July 20, Friday**
- Bills will be mailed to students pre-registered for fall semester.

**August 10, Friday**
- Last day for pre-registered students to complete financial arrangements and pay fees for fall semester.

**August 17, Friday**
- Last day to submit application for fall semester to be assured of prepared registration materials at the priority registration (August 31). Students submitting applications after this date will be able to register at Open Registration.

**August 28, Tuesday**
- Faculty orientation.

**August 29, Wednesday**
- Residence Halls open (noon).
  - Student advising for continuing students (afternoon).

**August 30, Thursday**
- Student Orientation Program - Student Union. Student advising (all day).
- Drop/add for pre-registered students, 1:00-4:00 p.m., Pavilion.

**August 31, Friday**
- Priority and Open Registration in Pavilion (see class schedule for registration times).

**September 3, Monday**
- Holiday.

**September 4, Tuesday**
- Classes begin.
  - Open Registration and drop/add, 9:00 a.m.-4:00 p.m. (Monday-Friday) and 5:00-7:00 p.m. (Monday-Thursday) - Administration Building.

**September 11, Tuesday**
- Last day to register except by petition. 9 a.m.-4 p.m. - (no evening registration). A fifty dollar ($50) late registration fee applies to all registrations after this date.
  - Last day to add except with consent of instructor and department head.
  - Last day to drop except with consent of instructor.

**September 12, Wednesday**
- Registration by petition only - fifty dollar ($50) late registration fee applies to all late registrations.

**September 21, Friday**
- Last day to drop first 8-week block courses.

**September 28, Friday**
- Last day to file with department for admission to candidacy for Masters Degree - Departmental Office.
  - Last day to file application for graduation for Masters, Baccalaureate and two-year or less degrees, diplomas, and certificate in Registrar's Office.

**October 12, Friday**
- Second 8-week block begins.

**November 5-9, Monday thru Friday**
- Advising period for continuing students (enrolled Fall 1984).
  - Pre-registration period for students who have been advised.
  - Pre-registration materials available in Administration Building, 8 a.m. to 7 p.m. (Monday-Thursday) and 8 a.m. to 5 p.m. (Friday).

**November 7, Wednesday**
- Advising and pre-registration for new and returning students (not enrolled Fall 1984) 1-7 p.m. - Student Union.
  - To be eligible to participate, a student must submit an application and be accepted by no later than October 26, 1984.

**November 9, Friday**
- College of Business; last day to petition for upper division admission for spring semester; 1985.

**November 10, Saturday**
- Final day for written exam for Masters Degree.

**November 10, Tuesday**
- Last day for final oral and project/thesis defense.

**November 22-25, Thursday thru Sunday**
- Thanksgiving Holiday.

**November 26, Monday**
- Classes resume.

**December 14, Friday**
- Last day to submit final signed copy of Masters project/thesis with department.
  - Class schedule and bills will be available for students pre-registered for spring semester - Registrar's Office.

**December 14, Friday**
- Classroom instruction ends.

**December 17, Monday**
- Reading Day; final exam period begins Monday night for night classes.

**December 18, Tuesday**
- Remaining class schedules and bills for pre-registered students will be mailed.

**December 18-22, Tuesday thru Saturday**
- Final Semester Examinations.

**December 22, Saturday**
- Residence Halls close (Noon).

**December 24, Monday**
- Grade Reports due to Registrar (10:00 a.m.).
SPRING SEMESTER 1985

January 2, Wednesday  ........ Last day for pre-registered students to complete financial arrangements and pay fees for spring semester.
January 4, Friday  ............... Last day to submit application for spring semester to be assured of prepared registration materials at the Priority Registration (Jan 16) Students submitting applications after this date will be able to register at Open Registration.
January 14, Monday ............ Faculty orientation.
January 14, Monday ............ Residence Halls open (Noon).
January 15, Tuesday .......... Student advising for continuing students (afternoon).
January 16, Wednesday ......... Student Orientation Program.
January 17, Thursday ......... Student advising. Drop/add for pre-registered students - Pavilion 1-4 p.m.
January 17, Thursday ......... Priority and Open Registration in Pavilion (see class schedule for registration times).
January 18, Friday .............. Classes begin.
January 20, Friday ............. Open Registration for evening classes only, 5-7 p.m. - Administration Building.
January 25, Friday ............. Last day to register except by petition. A fifty dollar ($50) late registration fee applies to all registrations after this date. Last day to add except with consent of instructor and department head. Last day to drop except with the consent of instructor.
January 18, Friday ............. Registration by petition only; fifty dollar ($50) late registration fee applies to all late registrations.
February 3, Friday ............. Last day to file with department for admission to candidacy for Masters Degree - Departmental office. Last day to file application for graduation for Masters, Baccalaureate, and two-year or less degrees, diplomas, and certificates - Registrar’s Office.
February 18, Monday ......... Washington’s Birthday observed (Holiday).
March 1, Friday ................. Mid-semester grades submitted. Notification of incompletes from previous semester. Last day to file application with department for final Masters written exam.
March 18, Monday ............. Second 8-week block begins.
March 25-31, Monday ........... Spring vacation.
April 1, Monday .................. Classes resume.
April 5, Friday ................. Last day to drop second 8-week block courses.
April 8-12, Monday .............. Advising period for continuing (enrolled thru Spring 1985) students. Pre-registration period for students who have been advised. Pre-registration materials available in Administration Building. 8 a.m.-7 p.m. (Monday-Thursday) and 8 a.m.-5 p.m. (Friday).
April 12, Friday .................. College of Business; last day to petition for upper division admission for summer session and fall semester, 1985.
April 13, Saturday ............... Final day for written exam for Masters Degree.
April 19, Friday ................. Last day for final oral and project/thesis defense.
May 3, Friday .................... Last day to submit final signed copy of Masters project/thesis with department.
May 10, Friday ................... Classroom instruction ends.
May 13, Monday .................. Reading Day; final exam period begins Monday night for night classes.
May 14-18, Tuesday ............. Final Semester Examinations.
thru Saturday ............... Residence Halls close (Noon).
May 19, Sunday ................. Commencement.
May 20, Monday .................. Grade reports due to Registrar (Noon).

SUMMER SESSION 1985

June 10, Monday ................. Classes begin for 8-week, 10-week, and first 5-week sessions.
July 4, Thursday ................ Holiday.
July 12, Friday .................. First 5-week session ends.
July 15, Monday .................. Classes begin for second 5-week session.
August 2, Friday ................ End of 8-week session.
August 16, Friday ................ End of 10-week and second 5-week sessions.
The Boise State University Foundation is a non-profit corporation chartered by the State of Idaho for charitable and educational purposes, and to otherwise serve the University.

The objectives of the Foundation are to assist in developing and increasing the facilities of the University by encouraging gifts of money, property, works of art, historical papers and documents and other materials having educational, artistic, or historical values. Such gifts should be conveyed to the Foundation, with proper stipulation as to their use. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials. The establishment of scholarships is particularly welcomed. Any gifts or bequests can be given suitable memorial names.

The present officers and members of the Board of Directors of the Foundation are:

- Mr. Fred P. Thompson, President, Boise
- Mr. Donald M. Day, Vice-President, Boise
- Mr. John G. Grant, Secretary, Boise
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- Mr. Peter L. Hirschburg, Director, Boise
- Mr. B.E. Hancock, Jr., Executive Director, Boise State University
- Dr. John H. Keiser, ex officio, Boise State University

Information may be obtained by contacting the Executive Director of the Boise State University Foundation, Inc. at (208)385-3276.
GENERAL INFORMATION

ROLE AND MISSION

Boise State University is an urban university located in the state’s capital. Given its character and location, the university serves a diverse population which includes young adults, senior citizens, and working professionals. Boise State University engages in research consistent with its state and regional public service mission and its undergraduate and graduate programs.

Consistent with the institution’s urban character, the university provides education in arts and sciences, business, teacher education, public affairs, health-related disciplines, and the technologies. In addition, the university offers graduate and professional programs in disciplines in which it has a substantial undergraduate curriculum and especially in those areas consistent with the university’s urban character.

Boise State University is the third and youngest university in Idaho. From its beginnings under the sponsorship of the Episcopal Church in 1932, the institution has progressed from an independent non-profit academy through local and district to state control (in 1969). Recent years have seen significant growth of BSU’s facilities, programs and service to Idaho, particularly to area communities. Constituencies served are both local and statewide. They include students seeking traditional, non-traditional and continuing education. The institution serves business, the professions and public sector groups throughout the state as well as special constituencies in the areas of performing arts, technology, and health professions.

Consistent with its mission Boise State University formulates its academic plan and generates programs by putting primary emphasis on business and economics, the social sciences, public affairs, performing arts, and interdisciplinary studies. It gives continuing emphasis in the areas of health professions, the related physical and biological sciences, and education. It maintains basic strengths in the liberal arts and sciences which provide the core curriculum or general education portion of the curriculum; and will enhance its role as a regional center for technology based upon emerging needs.

EDUCATIONAL OBJECTIVES

Boise State is in every sense a community university taking its character from the dynamic center of business and government in which it is located. Students and faculty live, work, and recreate with the society at large, and the resources of the University are widely shared with those who live in the region. The community supports the University by offering its professional, governmental, business/corporate facilities as laboratories of learning, provides financial assistance and cosponsors cultural and intellectual activities in the interest of academic excellence. Each of the Colleges and Schools uses an advisory council comprised of local leaders in business, the professions, and government, while the University Community Arts Association, the University Community Health Science Association, the Alumni Association and the University Foundation provide additional aid, advice, and opportunities. This interaction markedly improves the quality of the educational experience for the student.

Boise State University exists to educate the individual, to ensure his/her development, and to enlarge his/her opportunity. The University creates the intellectual atmosphere to produce educated persons who are literate, knowledgeable of public affairs, motivated to become life-long learners, and capable of solving problems through the discipline in which they majored. Each student receives a broad education to equip him/her for mobility in employment, social relevance, and informed, active citizenship. In addition to classroom instruction, laboratory experience, and involvement at the workplace, the University provides a variety of informal learning opportunities for students. These include cooperative education/internships, self-government, participation in University committees, distinguished speakers’ programs and a variety of cultural and civic events. Counseling, guidance, placement, testing, and health services are also available. Boise State University takes pride in providing a personalized and humanistic environment for students.

The university attracts and retains innovative faculty dedicated to excellence in teaching, creative in producing new knowledge, and generous in bringing their expertise to bear on society’s problems. They recognize that quality teaching is their primary role. Faculty are supported with conditions of employment conducive to open inquiry, efficient work, and strong library services which are so vital to quality of instruction and self-learning.
GENERAL INFORMATION

ACCREDITATION AND AFFILIATION

The university is a member of and fully accredited by the Northwest Association of Schools and Colleges. Permanent membership is also held in the College Entrance Examination Board and the College Scholarship Service Assembly.

A number of academic programs have additional accreditation or approval from the following organizations: American Assembly of Collegiate Schools of Business (AACSB); the National Council for Accreditation of Teacher Education (NCATE); the National Association of State Directors of Teacher Education, the National Association of State Directors of Teacher Education and Certification, School of Education programs; the Council on Social Work Education (CSWE); the National Association of Schools of Music (NASM); the National League for Nursing, the Idaho State Board of Nursing; the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association (AMA) in collaboration with the Joint Review Committees on Education in Radiologic Technology and Respiratory Therapy, and the American Medical Records Association; the National Accreditation Council for Environmental Health Curriculum. The program in Dental Assisting is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education.

UNIVERSITY LIBRARY

The University Library contains 280,000 volumes chosen by librarians and teaching faculty to support the curricular and research needs of the University. The Library receives more than 2000 current periodicals and about 40 newspapers. The collections fill the shelves of the four floors of the Library Learning Center, which is located in the center of the campus and faces the Memorial Fountain and Mall. The building provides an attractive setting for reading, study and research. The Library provides study space for students at tables and individual carrels scattered throughout the book stack areas and in small study rooms. The building includes a number of features to facilitate use by handicapped students, and the staff will provide special help as appropriate.

Access to the Library’s collections is through the card catalog and the new COM (Computer-Output Microform) catalog. As of July 1st, 1981 the Library discontinued filing cards for new book acquisitions into the card catalog; thus recently acquired books may be located only through the COM Catalog. Efforts are underway to transfer most of the card catalog entries to the COM Catalog; however, until record conversion is completed, one must search both the microfiche and card catalogs for a complete check of holdings.

Students are able to check out books and periodicals from the general collection at the main Circulation desk. Librarians and their assistants are available in the Periodicals area and at the main Circulation desk to help students locate periodicals and use microforms and microform readers.

Basic and advanced bibliographic service and assistance in use of both the Library and its resources are provided by the Reference Department. The inter-library Loan section of Reference assists faculty students in obtaining resources not available locally.

The Curriculum Resource Center features collections of print and non-print materials for elementary and secondary education, phonorecords, juvenile and young adult books, and college level non-print materials. Teachers in Southwestern Idaho as well as University students and faculty have access to Curriculum materials. Stereo carrels provide listening facilities for phonograph records and tapes.

The Maps and Special Collections Department contains the Library’s collection of 96,000 maps; University Archives (official publications, photographs, and historical records of the University), and manuscript collections (primarily unpublished correspondence, business papers, diaries, scrapbooks, and literary endeavors of people in the community).

The Documents Department contains over 287,000 publications of federal, state, and local government on a broad range of subjects. Congressional Information Service, Congressional Research Service, and Rand Corporation Research Reports are other services and collections in the Documents Departments which have special current information.

Educational Media Services, located on the second floor of the Library Learning Center, offers a variety of audio-visual resource and services to the campus. Included are the use of a fine collection of 16mm educational sound films and educational video tapes; the use of all types of audio-visual equipment, special graphic arts, photography and television production services as required by individual teachers; and consultation on the design and utilization of instructional materials. These services are designed to meet the needs and requirements of the University’s instructional programs.

The University Library shares the Library Learning Center Building with Educational Television studios, Continuing Education and two academic departments.

SPECIAL SERVICES AND PROGRAMS

Conference, Workshop, Seminar, Institute Planning Assistance — The university offers assistance to groups and agencies in planning educational programs or in upgrading personnel in new techniques, knowledge, and skills.

Faculty and Staff Consultation Service — The faculty and staff of Boise State University stand ready to assist business, industry, educational institutions, governmental agencies, professional groups, and others in the solving of their education and training problems or in their research and development efforts.

Use of Facilities — Boise State University will make available meeting rooms and classroom facilities to the various community groups and agencies.

Reading Education Center — Individualized reading improvement programs will be arranged for students with specialized reading problems. This service is available during the Fall, Spring, and Summer terms.

Educational Media Services — A large collection of educational media materials is housed in the library. These teaching aids are available for the university faculty, the school teachers of the state, and the students in teacher education. Community organizations may use these media when available. Projectors, TV, and other audio-visual equipment are available for group use on the campus.

Data Processing Center — The Center for Data Processing, on the first floor of the Business Building, is a university-wide unit. Its primary mission is to provide computing and data processing service in support of the educational and administrative objectives of the university, and to encourage the use of data processing procedures throughout the university.

The Center for Data Processing is a service agency. All students, faculty, and staff are encouraged to make full use of the facilities. Appropriate charges are made to faculty and staff for funded projects. Rates are available from the Center for proposal purposes. Charges for data processing services are not made for university use.

Tours of facilities, equipment demonstrations, and in-service lectures about data processing are available upon request.

The Visiting Scientist Program — The College of Arts and Sciences has a number of faculty members who are willing to speak to high school science and mathematics classes. Each participant has prepared presentations of approximately 40 minutes on topics that would be appropriate for interested high school students. The Visiting Scientist Program is available without cost to the school Presentations may be scheduled for single classes or collective classes. Speakers can be scheduled for one day only, but when necessary the presentation may be given as many as three times during the day. Three weeks’ advance notice is necessary for proper scheduling.

Speaker’s Bureau — As a service to the region and state, Boise State has organized a faculty and staff Speaker’s Bureau, whose members have volunteered to present lectures and/or talks before community groups and organizations. A booklet listing speakers is available at the New Bureau, Phone 385-1577.

Public Affairs and Cultural Enrichment — Boise State University offers great variety in its program of public affairs and cultural enrichment with many events presented at no charge. Many of these offerings can be presented in your Idaho community. Some of the events that provide opportunities of participation and observation include.
INSTRUCTIONAL PROGRAM AND SPECIAL COURSES

Evening Program — The University offers academic, avocational, and vocational courses on campus for the many individuals in the community who seek to achieve their own personal educational objectives.

Weekend Program — This program is designed to make university offerings accessible to those people who are unable to attend day or evening classes.

Educational Talent Search — A satellite office of the federally-funded Talent Search program has been established in the Dean of Student Special Services Department (Room 111, Administration Building). The program encourages and aids low income youth between the ages of fourteen and twenty-seven in gaining entrance to post-secondary training or education of their choice. The recruiter/counselor will give information and some assistance in completing the necessary admissions/ application forms and in securing financial assistance.

Evening Vocational-Technical Education Program — This program is designed to offer courses in a wide variety of occupational fields to upgrade those individuals currently engaged in the skill, craft, trade, or technology in which the courses are offered.

Adult Basic Education Education Program — Basic literacy training for adults in the community is offered in the Vocational-Technical School for those who desire to upgrade themselves to qualify for occupational entry and/or pursue high school instruction. Preparation for United States Citizenship, beginning reading for adults, and English as a second language are offered through the Adult Basic Education Program.

General Educational Development (G.E.D.) Training — As a part of the Adult Basic Education Program, the University offers instruction and preparatory assistance who wish to take the General Educational Development Test to qualify for the Idaho high school equivalency certificate.

Special Interest Group Courses and Program — Offerings that have proved to be of continued utility to various special interest groups, such as the engineers’ workshop preparing participants for the state licensing examinations, are offered as a regular, periodic feature of the University’s instructional program.

High School Equivalency Program (HEP) — is a program developed for migrant and seasonal farmworker students who are in need of a GED and assistance in placement in post-GED training and financial aid. The program operates in Nampa and is sponsored by the Department of Teacher Education.

Upward Bound Program — is a Federally funded program designed to assist potential high school dropout youth. It provides them with academic and counseling assistance to help them remain in high school and become better prepared for college. The program operates in the high schools in Nampa, Vallivue, and Wilder. It is sponsored by the Department of Teacher Education.

Bilingual Teacher Training Program — is a part of the Department of Teacher Education. It is specifically designed to prepare teachers to teach in Spanish and English and to assist them in learning how to teach English to public school children who are not proficient in English. Financial assistance is available for many students who pursue a degree and certification in Bilingual Education.

CONTINUING EDUCATION

The Continuing Education Program at Boise State University strives to meet the educational needs of citizens of the ten southwestern Idaho counties, from New Meadows on the north, Glenns Ferry on the east, the Nevada border on the south, and the Oregon border on the west.

Persons interested in taking an undergraduate or graduate courses in their community should contact the Office of Continuing Education. The requirements are that the course meet University requirements, that there be sufficient enrollment, and that a qualified instructor be available.

Course are available or can be designed to meet the needs of school districts, organizations, and business concerns. In addition, the Office of Continuing Education offers a wide variety of non-credit seminars, short courses and workshops throughout the year. These non-credit programs are offered on campus and in communities across Boise State University’s ten county service area.

Mountain Home Air Force Base Program — The University offers a Bachelors Degree in Business Administration as well as graduate, undergraduate, and credit and non-credit programs in most academic areas to residents of the Mountain Home Area. This resident credit program is available to military personnel, their dependents and members of the community.

Correspondence Study in Idaho — is coordinated and administered by the Correspondence Study Office located on the University of Idaho campus. Courses are developed and graded by approved faculties of the University Of Idaho, Boise State University, Lewis-Clark State College, and Idaho State University. Contact the Office of Continuing Education on the BSU campus for further information.

SUMMER SESSION PROGRAM

A full complement of programs, courses, and services is offered during the summer. Graduate, undergraduate, and non-credit programs and courses are presented in several time block sessions on campus. There are two five-week sessions, an eight week session, and a ten-week session. For more information, contact the Office of Continuing Education/ Summer Sessions/Evening Programs.

HONORS PROGRAM

The university-wide Honors Program provides a broad and comprehensive liberal arts background complementing the specialized education and training one obtains through the major departments. This includes topics in the sciences, humanities, and social sciences as generally indicated by the standard degree requirements.

The Honors Program student needs to consider the catalog requirements as minimal guidelines which can, and should, be amended when a stronger alternative is suggested.

While the Program aims at enrichment more than acceleration, through Advanced Placement, Summer Reading and extra courses, the Honors student may graduate in less than the usual four years.

ELIGIBILITY

Qualified students from all departments may participate in the program. Freshmen who have demonstrated unusual scholastic ability in high school are encouraged to participate. Each year approximately the upper five percent of the entering freshmen are eligible for the Honors Program. Such students are selected on the basis of high school grade point average, ACT or SAT scores, and recommendations of their counselors or teachers. Students who are not admitted to the Honors Program upon initial enrollment at Boise State may apply at any time after the completion of the first semester. An Honors student may drop out of the program at any time within the existing university rules, and the Honors courses he/she has taken will be applied toward the General University Requirements for Graduation.

HONORS COURSES

Each Honors student takes special Honors courses, some of which are expected of all those enrolled in the program. These courses are taken in lieu of, rather than in addition to, the standard requirements. The student always pursues work in his/her own major department that will prepare him/her for a professional career. The Honors Program works cooperatively with the major department to provide the opportunity and stimulus for the student to realize his/her potential.
GENRAL INFORMATION

The following is a list of Honors Program courses presently available:

- English
- Geology
- American History
- Honors Colloquium
- History of Western Civilization
- Honors Seminar
- Mathematics
- Interdisciplinary-Study
- Economics
- Summer Reading
- Interdisciplinary Studies Abroad

REQUIREMENTS

To graduate with Honors Program recognition, Honors students will take two courses in English Composition plus 18 hours of joint listed departmental Honors courses including the Honors course from each of the three core areas, in addition to any student-directed Honors seminars.

The English Composition requirements, the Honors Students will take two courses from the following: E 111, E 112, E 102, E 201, or any other writing courses approved by the Honors Director. Each Honors student will be required to take a three-credit upper division interdisciplinary colloquium which carries the HP prefix. Each Honors student will complete a minimum of 30 Honors credits.

Flexibility is an indispensable feature of the Honors Program. This is true of the Honors courses as well as of the individual Honors student's program. Accordingly, the precise description and content of a specific course may vary from semester to semester. Current descriptions of Honors courses and Seminars are available in the regularly published Honors Program Newsletter. The Newsletter and further information can be obtained by writing:

Honors Program Director
Boise State University
Boise, ID 83725

INTERDISCIPLINARY STUDIES IN THE HUMANITIES

The Interdisciplinary Studies in the Humanities program has been created with the assistance of the National Endowment for the Humanities. The ISH is a coordinating unit in which faculty from varying disciplines and schools offer interdisciplinary team taught courses. These courses focus on the humanistic element of the subject matter being offered. Presently, over 30 faculty members from different disciplines (departments) in the Schools of Arts Sciences, Public Affairs, Business, and Education participate. At the center of the program is a "core" humanities course, Humanities: A View of Human Nature — an interdisciplinary team taught course involving instructors from English, History, and Philosophy. This is a two semester, 12 credit hour course in which a student may fulfill 6 hours of Area I requirements. (Students are not required to take both semesters of the class.) Each semester additional "satellite" courses are offered with a special topics designation. These courses are selected for their basis of their relationship to humanistic issues raised in the core class. These courses provide faculty the opportunity to develop innovative courses which cross traditional disciplinary boundaries. They offer the students the opportunity to further investigate humanistic issues from at least two perspectives. (See p. 27 for catalog description of the core class, Humanities: A View of Human Nature and the current class schedule for satellite classes). The I.S.H. program also offers a 3 hour Special Topics class, The Ascent of Man, which is a film-lecture course focusing upon the biological and cultural evolution of human kind.

WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION (WICHE)

WICHE Student Exchange Program — At the time this catalog went to press (March 84) consideration of continuation of the program for qualified Idaho residents who attend professional schools of physical therapy, occupational therapy, and optometry in cooperating western states was still under consideration in the Idaho legislature. For current information contact the Office of the Dean, School of Health Sciences, phone (208) 385-1787.

STUDIES ABROAD PROGRAMS

The Office of Studies Abroad, located in the Offices of the Department of Teacher Education, has information about opportunities for work, study, and travel outside of the United States.

Boise State University is affiliated with the Northwest Institutional Council for Studies Abroad (NICSA), a consortium of universities which since 1969 sponsors liberal arts programs in London, England; in Avignon, France; in Guadalajara, Mexico; and in Cologne, Germany. Students may enroll in these programs at BSU retaining BSU course numbers.

The BSU Campus in Spain offers a full year of academic study in its overseas campus in San Sebastian, Spain. This program offers a full range of courses including the Basque Language and Culture and course work in Spanish language and literature. The year supplies a unique opportunity to live and study in a Non-English area, experiencing a culture different from our own. No language background is required. Groups leave in September each year. Vacation time for travel and study and tours to various parts of the Basque country and Spain enrich the experience. Students may inquire through the office of Studies Abroad.

NATIONAL STUDENT EXCHANGE PROGRAM

The National Student Exchange (NSE) Program is a consortium of over 70 state-supported colleges and universities that allow students to exchange for a limit of one academic year to a state supported institution in another area of the United States. The Exchange encourages participants to broaden their academic, social, and cultural awareness and provides Boise State students with options for educational travel and study at in-state tuition rates. Exchange students are assured that credits and grades received at the host institution are recorded at the home campus as part of their regular transcript.

To qualify, a participant must (1) be a full-time Boise State University student; (2) have sophomore or junior standing during the exchange; (3) have a minimum cumulative GPA of 2.50 at the time of acceptance as an N.S.E. student.

Additional information and application materials may be obtained from the National Student Exchange Student Coordinator in the Student Union Building or from the Director of Student Activities/Student Union.

RESERVE OFFICERS' TRAINING CORPS — Army

Since 1977 military training has been offered at Boise State University by the Department of Military Science. Participation by men and women students in the program of instruction leading to a commission as a second lieutenant is voluntary and comprises four years and one summer camp or two years and two summer camps. The Department of Military Science strives to develop in students who have the essential qualities and attributes a capacity for leadership and to provide them with the basic working knowledge required of a young officer.

Financial Allowances and Uniforms

Students who qualify and are selected receive scholarships for two, three, or four years that pay for tuition, fees, books and laboratory costs each year and also provide $100 a month retainer pay for ten months each year. During the final two years all students receive $100 subsistence payment a month for up to twenty months. Texts and equipment are provided. Travel and from summer camp plus food, quarters, and basic pay are paid by the government.

For more detailed information on enrollment benefits, and obligations see Part 3 of this catalog and contact the Department of Military Science located at 1605 University Drive, Boise State University, or call 385-3500.

SERVICEMEMBER'S OPPORTUNITY COLLEGE

The necessary mobility of people in military service has always been an obstacle to the completion of an educational program.

Boise State University has been designated as an institutional member of Servicemembers Opportunity Colleges (SOC), a group of over 400 colleges and universities providing voluntary postsecondary education to members of the military throughout the world. As a SOC member, Boise State University recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements, and certifying learning from appropriate military training and experiences. SOC has been developed jointly by educational representatives of each of the Armed Services, the Office of the Secretary of Defense and a consortium of thirteen leading national higher education associations; it is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community and Junior Colleges (AACJC).

Boise State University endorses the Servicemember's Opportunity College with the following qualifications:

1. Entrance into this program by a servicemember will be through a signed agreement between the student and the University, specifying responsibilities of both the student and the University.
2. The agreement shall terminate six years from date of approval or six months after servicemember's separation from active duty, whichever comes first.

3. The agreement (and thus the SOC Program) will be made available only to those servicemembers who have successfully completed (with a GPA of 2.25 or above) fifteen (15) or more hours of college credit through B.S.U.

4. Residency requirements other than the initial 15 hours prior to the signing of the contract will be waived.

5. Acceptance of any servicemember into the SOC Program is contingent upon the agreement of the given department under whose jurisdiction that program lies.

6. No school or department shall be compelled to offer a SOC Program - such programs are voluntary.

**RELIGIOUS INTEREST COURSES**

Since religious thought permeates nearly all disciplines of study, the University does not have a single department of religion. However, numerous departments within the University are examining the impact of religion as part of their academic quest for knowledge and understanding of the human condition.

Courses offered at Boise State University that emphasize the place and impact of religion in the study of civilization are listed below. The courses are open to all students on campus.

In addition, various departments offer special topic courses which emphasize the religious aspects of civilization. Students are advised to read carefully the class schedule each semester to check on the availability of such courses.

**STUDENT SERVICES**

For questions related to Student Services, please direct inquiries to:

The Vice President for Student Affairs
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1418

A variety of student services, programs, and activities are provided to help students achieve the maximum benefit from their university experience. These services are under the direction of the Vice President for Student Affairs (Room 112, Administration Building) and include: student orientation, admissions counseling, registration, career and financial assistance, special services, residential programs and facilities, health services, and Student Union activities.

**New Student Orientation**

The Office of Admissions Counseling and Visitors Center, located at 2274 University Drive, coordinates campus activities for prospective students through campus visitations, correspondence, campus tours, and on-campus orientation programs prior to each registration. Other programs include summer early registration and advising, and a Campus Preview Day.

**Student Rights and Responsibilities**

Students enrolling in the university assume an obligation to conduct themselves in a manner compatible with the university's function as an educational institution. The Student Bill of Rights; Code of Conduct, and policies pertaining to organizations, use of facilities, judicial boards, activities, and related matters are contained in the Boise State University Student Handbook. Each student, as a member of the university community, is responsible for being familiar with these policies and regulations.

**Academic Advising**

To assist students to plan a program of study, to define their educational and career goals, and to clarify values is one of the faculty's primary concerns during registration and follow-up individual conferences. Faculty also help students become acquainted with the campus environment, influence their attitudes toward academic life, improve their personal study skills, and work towards their academic excellence. To ensure a successful educational experience, each student should establish early in his/her freshman year a close working relationship with his/her faculty advisor, a relationship that will facilitate the student's chances of successfully staying in the university and completing his/her degree in the normal four-year period.

**Tutorial Assistance**

The Office of Student Special Services (Room 114, Administration Building) provides additional academic assistance through student-to-student tutoring that complements classroom instruction. Any currently enrolled full or part-time student is eligible to receive tutorial assistance without charge if he/she is having a problem keeping up in a class. Student tutors are generally second year or upper division students who have completed and earned at least a "B" grade in the course they tutor. They are normally recommended by the professor of the course and are certified by their academic department. They work closely with individuals and small groups of students through liaison faculty members and professional staff from the Office of Student Special Services.

**Reading & Study Skills**

For students who need special help in reading or improving their study skills, the University offers a Reading and Study Skills course (TE-108) each semester for two academic credits. The course is designed to assist students at their own pace in notetaking, speed-reading, textbook study methods, vocabulary development, and test-taking. The course teaches a student survival in the college classroom and in many cases is the difference between success and struggle in the university environment.

**Counseling & Testing Center**

Students with personal, vocational, or educational concerns and problems may receive professional assistance in the Counseling Center (8th floor, Education Building) without charge if they are enrolled in six credit hours or more. In counseling, a student may discuss openly in strictest confidence and explore freely any problems or feelings that concern him/her. No information is ever released without the written permission of the student, and no report is ever made in any official university record. Both individual and group counseling are available to aid students to become more self-reliant and effective in their personal and social relationships.

The Center is also a designated testing agency for many evaluation programs, including the College Level Examination Program (CLEP), the American College Testing (ACT), and the Miller Analogies Test (MAT). A number of standardized tests of interest general ability, and special aptitude are available and are more useful in stimulating self-analysis than in providing answers to problems.
GENERAL INFORMATION

Disabled Student Program
The University has made special efforts for over ten years to provide facilities, services, and program accessibility to physically disabled or handicapped students and staff. Peer counselors in each campus building can be entered via ground level approaches or ramps, and the upper floors of most academic or vocational technical classroom buildings are accessible by elevator. The campus itself is flat and has an abundance of curb cuts and ramps.

The Office of Student Special Services (Room 114, Administration Building) authorizes handicapped parking decals for eligible students and provides information and orientation to the university, class scheduling, and registration assistance, interpreter and notetaker services as well as tutorial assistance and liaison with the Boise area office of the Idaho Vocational Rehabilitation Service. The office has limited equipment available for use by disabled students such as a TTY (208) 385-1454, portable wheelchair, tape recorders, crutches, modified computer terminals, and electric typewriters for testing. The Library has a talking calculator, Visualtek, Braille typewriter, and a dictionary and encyclopedia in Braille. There is also a close working relationship with the area office of Vocational Rehabilitation when individuals need other assistive devices.

Multicultural Board:
The Multicultural Board offers various academic, cultural, social, and recreational activities and events to all students. The Board also promotes interaction, awareness, and cooperation between students, faculty, and people from the local community of all ethnic and cultural backgrounds. The Multicultural Board is located in the student organizational area of the Pavilion. Please check with the Office of Student Special Services (385-1583) for more information.

Child Care Service
The University Child Care Service, located in the northeast corner of the Pavilion, provides child care for two and one-half through kindergarten age (5-6) children of full-time students first, then part-time students. Faculty and Staff children plus half-day or drop-in service is provided on a space available basis. The child care service provides an educational development program for the total child and also serves as a laboratory experience and internships for Child Care Studies majors, Health Sciences and Social Work Programs. The Center is financed as a self-supporting project through parent-paid fees, donations, ASBSU funds and USDA Child Care Food Program Assistance.

Veterans Services
The office of Veterans Affairs (Room 114, Administration Building) provides liaison and advocacy services for eligible veterans, veterans’ dependents, and their widows with the Veterans Administration Regional Office and various veterans agencies. Peer counselors in the office work with fellow veterans to assist with any problems associated with benefits or federal forms, standards for satisfactory progress and attendance. Tutorial assistance for veterans, work-study positions, and admissions counseling are also available.

Student Health Service
The Student facility is located at 2103 University Drive directly across from the campus grade school. Clinic hours range from 9:00 a.m. to 4:00 p.m., Monday through Friday each day. Outpatient medical care is rendered to fulltime registered students within the capability of the facility at no additional cost after the general registration fee is paid. Minimal fees are charged for tests and procedures not within the capability of the Student Health Service. Patient referrals are made as necessary. The Student Health is equipped to care for over 90% of the student health care needs.

Medical Expense Insurance
All full-time students are automatically included in the health insurance program when they pay the full-time registration fee. Benefits become effective when fees are paid for the fall semester and continue until the first day of the spring semester. Spring semester benefits continue through August of that year, and protection is effective during all vacation periods. Each full-time student is covered 24 hours a day during the policy period at home, school, or while traveling. There is a $50 deductible per calendar year for accident or sickness.

Students who are covered by a family or other plan may obtain a refund through application to the insurance agent for Boise State University. The university carries liability insurance covering all on-campus official functions, including student activities.

Career Planning and Placement
The Career Planning and Placement office (Room 123, Administration Building) offers career information, advising, planning, and placement opportunities to all students and alumni. Some of the equal opportunity services provided include:

1. Assistance in identifying and making a career choice;
2. A resource library of information, recruiting literature, the College Placement Annual, and other career references (Room 124, Administration Building);
3. A placement credential file where students may assemble a permanent file of vocationally significant data at a time when professors and administrators easily remember them. Copies are then sent to prospective employers upon request of the student. Credential files should be established early in the year of graduation;
4. On-campus interviews with representatives from business and industry, government agencies, school districts, and graduate schools for graduating students and alumni. Many other employment notices are listed through this office, and numerous directories of possible employers are available.

Student Union Building
For students, one of the most important buildings on campus is the Student Union. It serves as the campus community center for a wide range of services and programs to meet the social, recreational, and cultural needs of BSU students, faculty, staff, alumni, and campus guests.

The building includes an information complex with complete ticket sales for all university and civic events, postal services and supplies and notary public services; a recreational area with amusement games, bowling alleys, billiards, and outdoor equipment, rentals and resource room; lounges, meeting rooms; a hair styling shop; a full service travel service agency; the campus bookstore; a ballroom; several eating facilities, the main dining room, student government offices, student newspaper offices, and the alumni office. A Board of various administrative offices. The SUB Board of Governors consisting of students, faculty and staff recommend th policies regarding building usage and general programs.

Student Government
The Associated Students of Boise State University (ASBSU) strives to represent the interests of all full-time BSU Students and to encourage active student participation in university life. The ASBSU sponsors and promotes a well-rounded program of education, cultural, social, and recreational activities. The Executive branch of the ASBSU includes the president, who acts as the voice and representative of the students at university functions; the vice-president who is the chief officer of the senate; and the treasurer who administers the budget. The Senate, as the legislative branch, consists of 10 senators elected in campus-wide balloting. This body develops and coordinates activities, passes legislation for the general welfare of all students, and grants recognition and funding to student groups.

The Judiciary determines the constitutionality of questions brought before it by individuals and organizations. Advisory and governing boards serve as vehicles for student input on vital policy and administrative decisions that affect the ASBSU and the university.

Student Organizations and Activities
There are over 90 ASBSU recognized student organizations on campus representing a variety of interests and concerns. These organizations include special interest groups which vary from chess and ethnic interests to Judo and women’s studies, professional honoraries representing every major field from social work to business, service and campus honoraries, religious organizations, fraternities and sororities, as well as ASBSU sponsored services such as The University News, the official student newspaper, KBSU-FM, a non-profit student operated radio station, Students Programs Board which presents films, fine arts performances, lectures, and concerts, and the National Student Exchange.

International Students
The Associate Dean of Admissions (Visitor’s Center) is the international student advisor and responsible for immigration requirements concerning the visa status, and initial academic advising, orientation, and registration of all non-U.S. citizens on the campus. All new international students must report to the Associate Dean of Admissions as soon after arrival as possible. This office provides assistance and a central contact.
and information source to over 100 registered foreign students. The International Student Organization provides opportunities for American and Foreign Students to meet, exchange views, and become better acquainted.

Athletics

The intercollegiate athletic program at Boise State University provides the opportunity for qualified students to engage in an outstanding program of competition with other universities and colleges of the National Collegiate Athletic Association (NCAA), Division 1AA, Big Sky Athletic Conference for men and the Mountain West Athletic Conference (MWAC) for women.

It is the philosophy of the Athletic Department to offer student athletes the best possible coaching, equipment, facilities, and competition available to allow them to reach their full potential. The university fields men's teams in football, basketball, track, wrestling, tennis, cross-country, and golf while the women's intercollegiate sports include basketball, gymnastics, track, tennis, cross-country, and volleyball.

Intramurals

The Intramural Sport Program offers an extensive selection of sports and recreational activities to suit the interests and abilities of every student, faculty and staff member. Physical Education facilities are also available for recreational use by students, faculty and staff when classes, varsity, and intramural activities are not scheduled.

Intramurals provides an opportunity for competition in all types of sports for men, women, and coed groups including powderpuff football, softball, track, tennis, basketball, cross-country, racketball, volleyball, soccer, bowling, and swimming. For individual or informal group recreation the swimming pool, weight room matroom, two gymnasiums, playing fields, handball courts, and bowling alleys are available at posted times.

Alumni Association

The Boise State University Alumni Association was incorporated as a voluntary organization in 1967. Its membership includes all individuals who have completed two semesters or more at the university. Members in good standing have paid annual dues of $15.00 per year and are entitled to receive the following benefits: alumni news publications; placement services; use of the Student union, library, and swimming pool; discounted alumni tours; group insurance program; invitations to all social functions and activities and other services.

The Association seeks to promote interests in and support of the University, maintain contact with graduates and former students, and provide benefits to students and alumni. Some of these services include: scholarships for outstanding and deserving students; theatre programs; grants of money for special student-faculty projects; and participation in several campus gatherings during the year such as Homecoming; annual Spring Dinner/Dance; Academic Awards Banquet; Golf Tournament; Regional meetings, and the Annual Pre-Game Reception at the Union Pacific Depot Gardens for all alumni and friends of the University.
UNDERGRADUATE ADMISSION REQUIREMENTS
For questions relating to Admissions Requirements, please direct inquiries to:
The Office of Admissions
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1156

ADMISSION AS REGULAR UNDERGRADUATE STUDENTS
Admission to the University is based upon credentials showing graduation from an accredited high school. High School Equivalency Certificates or acceptable General Education Development (GED) scores (35 or above on all five tests with an average of 45 or above for all tests) will be accepted in lieu of a high school transcript.

Applicants for admission whose credentials have been accepted will be given permission to register for the following semester. Students should plan to have all credentials submitted one month prior to registration to settle any questions that may arise and to receive by mail before registration a Certificate of Admission.

Matriculation is the process of providing all required items necessary for regular enrollment as a full-time student at Boise State University.

New Freshmen (no credits earned since graduation from high school)
Students wishing to enter as full-time (8 or more semester hours) fully matriculated academic students must be at least 16 years of age and submit the following prior to the deadline date:
1. A completed application
2. A $10 matriculation fee
3. Evidence of high school graduation or a GED certificate showing acceptable test scores
4. American College Test (ACT), Scholastic Aptitude Test (SAT), or Washington Pre-College (WPC) test scores

Permission to enroll full time is contingent upon satisfaction of all matriculation, academic, and financial requirements set by Boise State University.

Transfer Students (Prior enrollment at one or more post-high school institutions)
Students entering from other colleges or universities must present proof of honorable dismissal and official transcripts mailed directly to the Dean of Admissions. Students entering from other institutions must comply with the same scholastic regulations as are applied to students previously enrolled at the University. After evaluation of transcripts, students are classified as Freshmen, Sophomores, Juniors, Seniors, or Graduates.

In accordance with Idaho statutes as approved by the State Board of Education, the acceptance of credits from Junior College is uniform for both certification and transfer purposes and no more than 64 credit hours or 1/2 the total hour requirement of the specific curriculum is established as the uniform maximum limit effective September 1, 1950.

Transfer students wishing to enter as full-time (8 or more semester hours) fully matriculated academic students must submit the following prior to the deadline date:
1. A completed application
2. A $10 matriculation fee
3. Evidence of high school graduation or a GED certificate showing acceptable test scores
4. ACT, SAT, WPC test scores or evidence of successful completion of English Composition sequence
5. Official transcripts from all previously attended colleges showing good academic standing.

* An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the BSU admissions office.
A transfer student, whether resident or non-resident, must have a minimum GPA of 2.00 or above on all prior collegiate work completed or have cleared the probationary provision outlined under page 25 Academic Probation and Disqualification. All decisions relating to admission of foreign students will, however, be made by the Foreign Student Admissions Office.

Veterans

Students wishing to enter and receive G.I. Bill benefits must matriculate fully and meet all requirements for either freshmen or transfer students listed previously. Veterans attending under the G.I. Bill (Chapter 34) or under the Dependence Educational Assistance (Chapter 35 - widows, orphans and children of 100% disabled veterans) must present an Authorization of Entrance.

Chapter 34 veterans and Chapter 35 eligible persons are required to pay all tuition and fees at the time of registration. Chapter 31 veterans must present an Authorization of Entrance.

For more information, refer to Page 17 of this catalog.

Former Boise State Students

To be readmitted to the University after an absence of one semester or more, students must submit the following prior to the deadline date:
1. A completed application
2. Official* transcripts from all colleges attended since the last BSU enrollment.
* An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the BSU admissions office.

Part-time Students

Undergraduate students wishing to enter part-time (7 or fewer credit hours) must submit a completed application form, but are not required to meet the other matriculation requirements. However, students who intend to pursue a degree objective on a part-time basis are encouraged to meet all admission requirements. Veterans wishing to receive G.I. benefits must submit official transcripts from all previously attended colleges prior to being certified eligible for benefits.

Summer School Students

Students wishing to attend Boise State University during the summer session(s) only must complete an application, but are not required to meet other matriculation requirements.

ADMISSION AS SPECIAL UNDERGRADUATE STUDENTS

Persons who are unable to meet requirements as regular students and desire to take special studies may be admitted on special status upon presentation of satisfactory evidence that they are qualified to do college-level work. Normally, special status will not be granted to anyone less than 18 years of age unless, following a personal interview with the Dean of Admissions, it is deemed in the best interests of the student. Students admitted on special status are encouraged to complete matriculation requirements within the first semester of attendance. A special student is not eligible to become a candidate for graduation until he has satisfactorily met entrance requirements or until he has completed 32 semester hours of work at the University with GPA of 2.0 or better.

High School Students

Any currently enrolled high school student may enroll part-time if he has met the appropriate prerequisite and his application for admission has been approved by the Dean of Admissions. Registration at BSU must be determined to be in the best interests of the student and must not interfere with progress toward high school graduation.

ADMISSION AS VOCATIONAL TECHNICAL STUDENTS

The School of Vocational-Technical Education admits applicants to regular full-time preparatory programs who are high school graduates or who have successfully completed the GED tests. Any person who is interested in becoming a skilled craftsman or technician will be admitted to these courses if she/he complies with all admission requirements and meets the qualifications for the designated program. Certain prerequisite courses are required for various programs such as one year each of high school algebra and geometry for entrance to the Drafting or Electronics Technology programs. The University does not admit applicants under 18 years of age who are attending high school at the time of application unless her/his high school principal requests her/his admission. Students in Vocational-Technical programs who plan to enter certain extracurricular activities must meet regular entrance requirements (see eligibility requirements).

Students wishing to enter BSU in the Vocational-Technical School must submit prior to the deadline date:
1. A completed BSU application
2. A $10 matriculation fee
3. Evidence of high school graduation or GED
4. Official* college transcripts from all colleges attended, showing good academic standing.
5. Personal interview
6. $75 advanced security registration deposit.

Note: The Health programs have additional requirements.

Caution: Due to limited space in many programs, a place cannot be guaranteed until both the interview is completed and the security deposit is received.

* An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the BSU admissions office.

GRADUATE STUDENTS

GRADUATE (see Graduate College section for specific graduate program information)

1. All students holding a bachelor's or higher degree must submit a graduate application for admission.
2. All graduate students, except the exemptions listed below, must submit official transcripts from each post-high school institution attended directly to the Graduate Admissions Office.
3. All graduate students attending full time (8 or more credits) and all students pursuing a master's degree must also pay a $10 non-refundable matriculation fee. (Full-time graduate students who received their undergraduate degree at B.S.U. are exempt from the $10 fee, UNLESS they are pursuing a master's degree.)

Note: Students pursuing the MPA or MBA programs will be mailed a Data Form which should be returned to the address on the form. MBA will also need to have GMAT scores on file with the Graduate Admissions Office before they can be evaluated for acceptance into the graduate program they are pursuing.

FOREIGN STUDENTS

Boise State University accepts qualified students from foreign countries to the extent that space is available. Foreign applicants are expected to meet the requirements for admission from high school or from other colleges or universities as outlined above under Admission Requirements to the University.

Credentials: Official transcripts and/or certified copies of the certificate, diploma, or government examination report received on completion of secondary school work and the degree, license, or diploma received on completion of any college or university must be sent to the certifying agency directly to the Admissions Office and must be translated into ENGLISH.

English Proficiency: All foreign applicants are required to take and receive a satisfactory score (minimum of 500) on TOEFL (Test of English as a Foreign Language) or other examinations acceptable to Boise State University. Arrangements to take the TOEFL examination may be made by writing directly to TOEFL, Educational Testing Service, P.O. Box 5922m Princeton, New Jersey 08540, U.S.A. The test must be taken and scores received by the University prior to a decision on admission of the applicant.

Admitted Students: Upon arrival at the University, foreign students will be examined again with the Michigan Test of English Language Proficiency. Results achieved will determine their placement level in the English as a Second Language program.

Academic Advising: Advising in academic matters is provided to foreign students by the Foreign Student Admissions Office until such time as they meet the English language requirements for a degree program.

Financial Statement: All foreign students must present to the Foreign Student Admissions Office satisfactory statements of finances and adequate proof of financial responsibility or sponsorship by a reputable
American citizen or organization for all financial obligations while attending Boise State University.

Health and Accident Insurance: Boise State University requires that all full-time students be covered by health and accident insurance. Such insurance is included as a part of general registration fees paid by all full-time Graduate students.

Admission to Graduate College: Foreign students applying for admission to the Graduate School must submit all of the previously mentioned admission materials. Those wishing to major in Business Administration must submit GMAT scores (Graduate Management Admissions Test). The score on the GMAT is considered together with the GPA to determine the admissibility of the student to the MBA Program. A TOEFL score of at least 550 must be achieved.

Upon completion of all requirements and the granting of final acceptance to the applicant, the Foreign Student Admissions Officer will issue an I-20 form.

TUITION AND FEES

For questions related to Tuition and Fees, please direct inquiries to:

Business Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 365-3636

All of the fees, tuition, and other charges are due and payable for pre-registered students by the deadlines established prior to the beginning of each semester. (Please see Academic Calendar, Pages 4 & 5 for exact dates). These fees and charges for students registering during open or late registration are due and payable on the day the registration occurs. Board and room charges may be paid in advance for the year or arrangements may be made to pay in advance on a partial payment basis by consulting the Director of Student Residential Life (see section under Student Housing).

Tuition and Fee Schedule

Eight or more hours made up of any combination of credit, audit, equivalent and/or repeat hours will be considered a full schedule for purposes of calculating charges.

All fees, tuition, and other charges are subject to change at any time by the State Board of Education acting as the Board of Trustees for Boise State University.

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<td>547.00</td>
<td>1497.00</td>
<td>1547.00</td>
</tr>
</tbody>
</table>

Payment of full-fees does not necessarily constitute full-time enrollment. Please see page 23 for credit hour requirements.

Idaho Residency Requirements for Fee Purposes

The legal residence of a student is determined at the time of initial application for admission and will be reconsidered, thereafter, upon appeal by the student. Appeal affidavits can be obtained in the Admissions Office. Section 33-3717, Idaho Code, specifies that a resident student shall be:

(a) Any student whose parents or court-appointed guardians are domiciled in the state of Idaho and provide more than fifty percent (50%) of his support. Domicile means an individual's true, fixed and permanent home and place of habitation. It is the place where he intends to remain and to which he expects to return when he leaves without intent to establish a new domicile elsewhere. To qualify under this section, the student must reside in the state on the opening day of the term for which the student matriculates.

(b) Any student, who receives less than fifty percent (50%) of his support from parents or legal guardians who are not residents of this state for voting purposes and who has continuously resided in the state of Idaho for twelve (12) months next preceding the opening day of the period of instruction during which he proposes to attend the college or university.

(c) Any student who is a graduate of an accredited secondary school in the state of Idaho, and who matriculates at a college or university in the state of Idaho during the term immediately following such graduation regardless of the residence of his parent or guardian.

(d) The spouse of a person who is classified, or who is eligible for classification, as a resident of the state of Idaho for the purposes of attending a college or university.

(e) A member of the armed forces of the United States, stationed in the state of Idaho on military orders.

(f) A student whose parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders and who receives fifty percent (50%) or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

(g) A person separated, under honorable conditions, from the United States armed forces after at least two (2) years of service, who at the time of separation designates the state of Idaho as his intended domicile or who lists Idaho as the home of record in service and enters a college or university in the state of Idaho within one (1) year of the date of separation.

(h) Any individual who has been domiciled in the state of Idaho, has qualified and would otherwise be qualified under the provisions of this statute and who is away from the state for a period of less than one (1) calendar year and has not established legal residence elsewhere provided a twelve (12) month period of continuous residence has been established immediately prior to departure.

Other Fees

| Part-time(Undergrad) | $48.50 per Sem Hr |
| Part-time(Graduate) | $61.00 per Sem Hr |
| Summer(Undergrad) | $49.50 per Sem Hr |
| Summer (Graduate) | $62.00 per Sem Hr |
| Application Processing Fee(Non-refundable) | $10.00 |
| Late Registration Fee | $50.00 |

(To apply when petition is required to register)

Overload Fee

Per credit hour cost over 19 credits

Testing Fee:

Students who have not taken an ACT, SAT, or WPC test on a regular national testing date may take the Test of Standard Written English (TSWE):

| During registration week | $ 5.00 |
| Duplicate Activity Card | $ 5.00 |

Music, Performance Fees:

| All private music lessons: | $55.00 |
| 2 credits | |
| 4 credits | $100.00 |

Waivers of Music Performance Fees will be granted to music majors enrolled for 8 credit hours or more for all required private performance study leading to a B.A. or B.M. degree. Students receiving this fee waiver must be concurrently enrolled for credit in a major ensemble and in Concert Class. Students must receive grade of "C" or better in the ensemble and a grade of "S" in Concert Class.

All students receiving this fee waiver must be making satisfactory progress (C grade or better) in private performance study to be eligible for a fee waiver the following semester.

Students receiving this fee waiver on an instrument leading to a proficiency examination must attempt the examination at the end of the first year of study and each semester thereafter until successful completion. No more than four semesters of fees for this purpose will be waived.

Special Workshop Fees

Special workshops are conducted throughout the year which are not part of the regularly scheduled courses funded through the University General Fund Budget. All students, regardless of full-fees or part-time status, will be
Insurance Coverage
required to pay the Special Workshop Fees which are set in relation to the
expenses required to conduct the course. Registration for these workshops
will not change the status of a student for fee purposes.

All students paying full fees are required to take insurance coverage which is paid with regularly assessed institutional fees. Students who are
covered by family or other plans may obtain a refund through application
to the insurance agent for Boise State University.

Boise State University carries liability insurance covering all on
campus and official functions including student activities.

Refund Policy
When a regularly enrolled student withdraws from Boise State University,
a refund of registration charges including non-resident fees will be on
the following basis:

<table>
<thead>
<tr>
<th>Before Classes</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>During first 2 weeks of classes</td>
<td>75%</td>
</tr>
<tr>
<td>During 3rd and 4th week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>After 4th week</td>
<td>No Refund</td>
</tr>
</tbody>
</table>

This policy also pertains to part-time students, including special evening
classes. No special consideration is given to late registrants in
extending the refund policy. The University reserves the right to deduct
from the refund any outstanding bills. An itemized statement of deduc-
tions will be forwarded with the refund check. Upon completion of the
withdrawal process, a refund check will be prepared and issued in
approximately two to three weeks from date of withdrawal.

Students who withdraw during the refund period and have used stu-
dent aid funds to pay all or part of registration fees, tuition, or room and
board costs will be refunded only the amount proportionate to the amount
paid with personal funds. The rest of the refund will be returned to the
appropriate student aid fund.

No private music lesson refunds will be allowed after the open
registration/free drop add period.

FINANCIAL AID
Please direct questions about Financial Aid to:

Financial Aid Office
Boise State University
1910 University Drive
Boise, ID 83725
(208)384-1264

The primary purpose of financial aid is to provide assistance and coun-
seling to students who would be unable to attend Boise State University
without such help. Financial aid is available to fill the gap between the
student's potential resources and yearly educational expenses. The pri-
mary responsibility for meeting educational costs rests with the individual
student and/or parents.

Boise State University has a comprehensive financial assistance pro-
gram which includes a variety of types of scholarships, loans, grants, and
part-time employment.

If a student is a U.S. citizen or permanent resident, enrolls for credit for
at least 6 semester credit hours at Boise State University, and shows
financial need, the student is eligible for financial aid. Financial aid is
determined by careful analysis of financial resources from information
furnished on the Financial Aid Form (FAF) submitted to College Scholar-
ship Service (CSS). A uniform method approved by the U.S. Office of
Education determines a student's financial need. Every attempt is made
to ensure fair distribution of the resources available to the University.

Application Procedures
To be eligible for financial aid, the student must be admitted to the Uni-
versity into an academic or vocational technical program for the purpose
of obtaining a degree or certificate, and submit the followings forms:

1. Financial Aid Form (FAF) — Send to College Scholarship Ser-
vice (CSS) in Berkeley, California, with a check or money order. Three
to four weeks are required for processing. These forms are available
in January. This is the primary data gathering form for students wishing
to apply for need-based Financial Aid.

2. Boise State University Application for Financial Aid — This is
required from all applicants for need-based aid and must be submit-
ted directly to Boise State University Financial Aid Office.

3. Undergraduate students wishing to apply exclusively for Pell Grants
(formerly BEOG program) should use the Application for Federal Stu-
dent Aid instead of the Financial Aid Form.

4. BSU Application for Scholarship (Optional) — This form must be
submitted to apply for most scholarships available through the Univer-
sity. It should be sent directly to the Financial Aid Office. The "Boise
State University Scholarships" brochure lists all scholarships availa-
ble through Boise State University and is available on request from
the Financial Aid Office.

5. Transfer students who have attended other colleges or universities
must submit a financial aid transcript from all institutions attended, in
addition to a grade transcript.

To increase your chance of receiving aid file all appropriate forms by
March 1. If all required documents have not been submitted by the March
1 priority deadline, your application will be considered for various types of
aid on a first-come, first-served basis if there are remaining funds. Ap-
lications or Student Aid Reports (SAR) received after July 1 cannot be con-
sidered in time to receive notification until after registration for Fall
Semester. Students pre-registered for Fall Semester must meet the
March 1 deadline to have aid available for mid-summer billing.

Summer Session
The University has financial aid available on a restricted basis during
the summer. Students in need of financial aid who are planning to attend
summer session should consult with a Financial Aid advisor as soon as
the summer class schedule for the appropriate year is available.

Financial Aid Programs

Pell Grants (formerly BEOG) Pell Grants are available to under-
graduate students with documented financial need. This is intended
to be a foundation to which other need-based aid may be added.
Approximately 6 weeks after the FAF is filed, a Student Aid Report
(SAR) will be mailed to the student from the Pell Grant Office. All
copies must be submitted to the Financial Aid Office immediately
before award processing can begin. Students who are applying for a
Pell Grant only for the current academic year, may file the single
purpose "Application for Federal Student Aid" at any time up to
March 15. If Pell Grants alone are not sufficient to meet educational
expenses, other types of aid are described below.

Supplemental Educational Opportunity Grants (SEOG) and
State SEOG, SSIG Student Incentive Grants (SSIG) are awarded
to undergraduate students who show exceptional financial need.

National Direct Student Loan (NDSL) NDSL is a long-term, low
interest (5%) loan that must be repaid to the University according to
specific Federal guidelines. Repayment doesn't begin until 6 months
after graduating or dropping below 6 credit hours. NDSL is awarded to
both undergraduate and graduate students who show need.

College Work Study Program (CWS) Work Study (CWS) pro-
vides an opportunity for students to work and pay for a portion of their
educational expenses. Paychecks are made directly to the stu-
dent who is then responsible for paying outstanding debts. CWS is
awarded to undergraduate and graduate students who show need.

Waivers of Non-Resident Tuition are available to a limited num-
ber of undergraduate and graduate students who are considered to
be out-of-state residents for tuition purposes, have good academic
records, and show need.

BSU Student Employment Program has limited funds available for
undergraduate and graduate students who are unable to qualify for
CWS and who desire to work to pay a portion of their educa-
tional expenses.

Scholarships Scholarships may be based on academic achieve-
ments, special skills, talent, or a combination of financial need and
academic achievement.

University Club Scholarships are available to a limited number of
incoming freshmen who are Idaho residents. These scholarships
are one-year awards and are given in recognition of outstanding
academic achievement. For more information, contact the Office
of University Admissions Counseling, 1910 University Drive, Boise,
ID 83725.
Financial Aid Notification Process

Notification of Financial Aid awards will be mailed beginning in May for Scholarship recipients and as processed for need-based aid recipients. The "reply letter" must be signed and returned to the Financial Aid Office by the deadline each year to be considered for a financial aid award. Photocopies of tax returns are required to verify income level.

Effect of G.P.A. and Academic Progress on Financial Aid Eligibility

To receive financial aid at Boise State University, an eligible student must:

1. Be enrolled for the purpose of obtaining a degree, diploma, or certificate.
2. Be in good academic standing.
3. Be progressing towards a degree/certificate at the minimum rate defined below.
4. Complete degree requirements within the maximum time frame provided by this policy.

ENROLLMENT STATUS

<table>
<thead>
<tr>
<th>Type of Undergraduate</th>
<th>Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time Undergraduates</td>
<td>12 credit hours attempted per</td>
</tr>
<tr>
<td>Part-time Undergraduates</td>
<td>6-11 credit hours attempted per semester</td>
</tr>
<tr>
<td>Full-time Graduates</td>
<td>9 credit hours per semester</td>
</tr>
<tr>
<td>Part-time Graduates</td>
<td>3-5 credit hours per semester</td>
</tr>
</tbody>
</table>

*Students who drop below these levels are not eligible for financial aid and will be required to repay financial aid funds received.

GOOD ACADEMIC STANDING

Students on any type of academic probation are not eligible for financial aid. These include transfer students who are admitted on "probation who earned at least 12 credit hours with a 2.5 GPA during the most recent semester at Boise State University, and who have not exceeded the maximum time frame allowed for completion of degree/certificate. EXCEPTION: Financial aid will not be withheld for students on probation who earned at least 12 credit hours with a 2.3 GPA during the most recent semester at Boise State University, and who have not exceeded the maximum time frame allowed for completion of degree/certificate.

APPEALS

The Financial Aid Office will consider written appeals for exemption from this Policy only in instances where a poor academic record dating three years or longer or documented extenuating circumstances are the cause of the problem. The Financial Aid Office will consider the individual circumstances in any appeal and may grant an exemption for no longer than one semester at a time.
ADMISSIONS INFORMATION

Financial Aid for Foreign Students

In order to be granted student visas, foreign students must demonstrate that they have resources for the entire period of University attendance. If financial difficulties arise, the Foreign Student Advisor should be contacted for assistance.

STUDENT HOUSING

University Residence Halls

Boise State University maintains five residence halls with accommodations for approximately 750 students. The hall experience contributes to and encourages participation in the total university community. The Towers is a coed hall which will accommodate 300 students (150 men and 150 women); Chaffee West is a women's hall with space for 145 students which shares an office/recreation area with Chaffee East, a men's hall with space for 145 men; Driscoll and Morrison Halls accommodate 78 students each, with Driscoll serving as a men's facility and Morrison an upper-class coed hall.

The Towers, located at the west end of campus, has 6 residential floors and accommodates 300 students with the bottom three floors housing men and the top three floors housing women. It is carpeted and air conditioned with study lounges and laundry facilities. Four students occupy each room with individual room bathroom facilities.

Driscoll and Morrison Halls, located on the Boise river, are virtually identical with 48 single and 15 double rooms arranged in ten suites, accommodating six to eight students per suite.

Morrison Hall is coed with men and women living in opposite wings separated by lounges and laundry facilities. Priority is given in this hall to upper-class students or students over 21 years of age.

Chaffee Hall is divided into two separate three-story units with approximately 50 students to a floor, living in 24 double rooms and 2 single rooms per floor. Chaffee West is a women's hall and Chaffee East is a men's hall. Both units are connected by enclosed corridors to a central lounge, office and recreational area. Each floor has a small, informal lounge, study room, and laundry facilities.

All residents are required as part of the housing contract to take their meals in the Student Union dining room.

Applications for room reservations should be made as early as possible. The contract for residence hall accommodations is for room and board for the entire academic year. Applications must be made on the official contract form and be accompanied by an application and security deposit fee of $50.00.

BOARD AND ROOM CHARGES

Meal Options:

A. 7 day/19 meals (breakfast, lunch, and dinner on Monday through Friday; brunch and dinner on Saturday and Sunday)
B. 7 day/14 meals (breakfast, lunch, and dinner on Monday through Friday; brunch and dinner on Saturday and Sunday)
C. 7 day/10 meals (breakfast, lunch and dinner on Monday through Friday; brunch and dinner on Saturday and Sunday)

All room and board charges, rental rates and other fees are subject to change at any time by action of the State Board.

1984-85 Prices

<table>
<thead>
<tr>
<th>Residence Rooms</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double</td>
<td>$2222</td>
<td>$2192</td>
<td>$2132</td>
</tr>
<tr>
<td>Single</td>
<td>2562</td>
<td>2532</td>
<td>2472</td>
</tr>
<tr>
<td>Large Single</td>
<td>2802</td>
<td>2772</td>
<td>2712</td>
</tr>
</tbody>
</table>

Above prices include phone service and state sales tax. There is no refund or "carry-over" of meals not eaten in the dining room.

In addition to the above room and board costs is a non-refundable $17.00 program fee. This fee is used for programs, activities, and various types of interest group projects desired by the students.

The residence halls normally are closed during semester break and spring vacation. Meal service is suspended and all food service options are closed. Students staying in the rooms at the residence halls during these holidays must obtain permission from their Resident Director and will be charged on a per day basis.

Application Procedure

All inquiries requesting housing information and application/contracts should be sent directly to:

The Office of Admissions Counseling
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1401

ACCEPTANCE AND PROCESSING OF THE HOUSING CONTRACT BY THE OFFICE OF STUDENT RESIDENTIAL LIFE DOES NOT CONSTITUTE APPROVAL OF ACADEMIC ADMISSION TO THE UNIVERSITY, AND APPLICATION FOR ADMISSION IS NOT AN APPLICATION FOR HOUSING.

Hall and Room Assignments

Halls and rooms are assigned on an adjusted priority system, date of application and deposit and acceptance by the University. Returning residence hall students have housing priority over new applicants. If a specific person is desired as a roommate, the two persons concerned should be certain that their applications are received about the same date. If no specific request is made for a roommate, it will be assumed that the applicant will accept the person assigned. The preferences indicated by the student on the application/contract regarding the desired hall, room size, etc. are not binding but will be honored whenever possible.

University and Residence Hall Regulations

All students are held responsible for all regulations and information set forth in the Student Handbook, Boise State University Catalog, and Residence Hall Contract. All University rules and regulations are specifically made a part of this contract by reference.

Personal Property and Liability

Students who reside in residence halls are responsible for providing insurance against loss or damage to their own personal property. The University does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.

University Apartments

There are 170 units available for full-fee paying (8 credit hours or more) married students or single parents, all within walking distance of the campus. A single student may rent a one bedroom apartment when a vacancy occurs due to the applications by student families. University Courts apartments have small and large one bedroom, two, and three bedroom units. Apartments are carpeted and furnished with stoves and refrigerators. Coin operated laundry facilities are located on site. All utilities except electricity are furnished. University Heights and University Manor consist of one and two bedroom apartments. These are fully carpeted, draped, and furnished with stoves and refrigerators. All utilities are furnished.

Application Procedure for University Apartments

Applications for University Apartments may be obtained in the Office of Student Residential Life, Room 110, Administration Building.

To be eligible a student must be a married student, prospective married student, or a single parent with a child (children) and enrolled as a full-fee paying student. Single students are eligible when space is available (see contract).

To be considered for assignment into University Apartments a completed application/contract must be sent to the Office of Student Residential Life with a $50.00 application fee. Checks or money orders should be made out to Boise State University. This deposit is not to be construed as partial payment for rent. The deposit will be held (after assignment) as a damage deposit and is refundable when the student permanently moves from the apartment.

When an apartment is ready for occupancy, the student must sign a lease, pay the balance of the application fee and security deposit ($50.00) and pay one month's rent prior to receiving confirmation to move into the apartment.

The total security deposit and application fee ($100.00) may be forfeited if the required 30-days written notice is not given before the tenant vacates.
Four national sororities—Alpha Chi Omega, Alpha Omicron Pi, Delta Delta Delta and Gamma Phi Beta—and four national fraternities—Alpha Tau Omega, Kappa Sigma, Sigma Phi Epsilon, and Tau Kappa Epsilon—are actively involved at Boise State University. Membership is open to all full-time students.

Each fraternity and sorority operates its own house located within a mile radius of campus. Members take charge of their own maintenance, financial management, meal planning, governing, and organization of special events or programs. Room rates are approximate to those of University owned residence halls. Extra costs include initial affiliation expenses, social fees, and, in some instances, building fund charges.

For additional information please contact the Student Activities Office, BSU, 1910 University Drive, Boise, ID 83725 (208)385-1223.

Off Campus Student Housing

Lists of available housing are on file in the Office of Student Residential Life. The University does not inspect the accommodation. Parents and students must accept full responsibility for the selection. The University recommends that students and parents make written agreements with landlords concerning the obligations and expectations of each party.

As a matter of policy, assignments to University housing facilities are made without reference to race, color, national origin, or handicap and expects privately owned accommodations offered through its listing service to be operated in the same manner. Listings are accepted with this understanding.
ACADEMIC INFORMATION

ACADEMIC REGULATIONS
For questions related to academic regulations, please direct inquiries to:
Registrar’s Office
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-3486

Student Records
When a student enters the University and submits the requested personal data, there is an assumed and justifiable trust placed upon the University to maintain the security of that information for the protection of the rights of the student. To protect students against potential threats to their individual rights inherent in the maintenance of records and the many disclosures regarding them and in compliance with the Family Educational Rights and Privacy Act of 1974, the University has adopted BSU Policy 4205-D (Student Records). The policy statement in its entirety is contained in the Administrative Handbook of Boise State University. Any students, faculty, or staff who have questions regarding the records policies of Boise State University may consult with the Vice-President for Student Affairs.

All academic records are maintained by the Registrar’s Office. Students may obtain copies of their transcripts by making a request in writing or in person.

Classification of Students
After registration, students are classified as follows:
Special — no degree intent-courses of interest only
Freshmen — 0 semester credits through 25
Sophomore — 26 semester credits through 57 or enrolled in Associate, or certificate program
Junior — 58 semester credits through 89
Senior — 90 semester credits and over, or enrolled in second baccalaureate degree program
Graduate — has received a baccalaureate degree and enrolled in a graduate level degree program

Enrollment Verification
Students enrolled for 8 semester credit hours or more are required to pay full fees but may not be considered as full-time students.

For the purposes of student enrollment verification to Veteran’s Administration, Social Security Administration, BEOG, Federal and State Grants-in-Aid, banks, insurance companies, other Universities, etc. the following schedule will be used:

Undergraduate:

<table>
<thead>
<tr>
<th>Full-time</th>
<th>12 or more undergraduate sem hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4-time</td>
<td>9-11 undergraduate sem hrs</td>
</tr>
<tr>
<td>1/2-time</td>
<td>6-8 undergraduate sem hrs</td>
</tr>
<tr>
<td>less than 1/2-time</td>
<td>5 or fewer undergraduate sem hrs</td>
</tr>
</tbody>
</table>

Graduate:

<table>
<thead>
<tr>
<th>Full-time</th>
<th>9 or more graduate sem hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4-time</td>
<td>6-8 graduate sem hrs</td>
</tr>
<tr>
<td>1/2-time</td>
<td>4-5 graduate sem hrs</td>
</tr>
<tr>
<td>less than 1/2-time</td>
<td>3 or fewer graduate sem hrs</td>
</tr>
</tbody>
</table>

Students receiving veteran’s benefits under the G.I. Bill enrolling for less than 1/2-time will receive payment for registration fees only.

Veterans pursuing a second baccalaureate degree must have an official evaluation of their transcripts and official copies are forwarded to the
Advising and Registration

Prior to registration or pre-registration, each student registering for the first time is assigned to a faculty advisor who assists the student in identifying academic requirements for graduation and in completing the Proposed Course Schedule form. Students registering for 8 credits or more must confer with an advisor prior to completion of registration or any change in registration. A student may change his/her advisor after the first semester in attendance by obtaining permission from the Advising Coordinator of his/her school/college.

Dates of pre-registration are listed in the University Calendar at the front of this catalog. Instructions for registration, changing class schedules and deadline dates, for which every student is fully responsible are published in the Class Schedule, available in April for the Fall Semester and Summer School, and in November for the Spring semester.

Attendance and Absence from Class

Students are responsible for their attendance in the courses for which they enroll. No absences, whether approved by the University or necessitated by illness or personal emergency, are “excused” in the sense or relieving the student of responsibility to arrange with the instructor to make up work missed.

Regardless of the cause of the absence, a student who has missed a class meeting has lost some of the content of the course. If any student accumulates absences to the extent that further participation in the class seems to be of little value to him/her and detrimental to the best interests of the class, the instructor shall warn the student that he/she may fail the class.

Audit vs. Credit Registration

Students enrolling in courses for Credit are required to attend class regularly, complete all assignments, and take the necessary examinations. If space is available a student may enroll in a course without credit or grade as an Audit. Audit indicates that a student was allowed a place in the class but may or may not have participated in class activities.

Changes in Registration

Students may make the following registration and program changes by securing a “Student Information Update” form and signature from their advisor and each professor involved in the change. The completed form must be filed with the Registrar's Office. No registration or program change is effective until dated and signed in the Registrar’s Office.

Adding a Course

Students may add a course(s) during open registration without the written consent of the professor. A “Change in Registration” form must be secured, signed by the advisor for students enrolling in 8 credit hours or more, and a “class card” obtained from the appropriate departmental office. Detailed procedural information and instructions are printed each semester in the Class Schedule.

Students who wish to add courses after the open registration period ends must obtain an “Appeal for Change in Registration” form from the Registrar’s Office.

Dropping a Course

Students may drop a course(s) during the open registration period without the consent of the professor. A “Change in Record and Registration” form must be secured and signed by the advisor for students enrolled in 8 credit hours or more. Courses dropped within this period will not be recorded on the student’s transcript.

From the end of the open registration period until the end of the sixth week of classes, students must secure the consent and signature of the professor and advisor (if enrolled in 8 credit hours or more) Courses dropped within this period will be recorded with a grade of “W”.

All appeals or petitions for an emergency or medical withdrawal from course(s) will be made through the Dean of Student Special Services.

Students appealing to drop course(s) after the end of the sixth week without emergency or medical reasons must obtain an “Appeal for Change in Registration” form from the Registrar’s Office. This form must be signed by each professor, advisor (if enrolled in 8 credit hours or more), each appropriate Department Chairman and Academic Dean. The approved petition form must be filed with the Registrar’s Office.

Audit/Credit Changes

Students may change their status from audit to credit or credit to audit until the end of the sixth week of classes. Students desiring to change to
or from audit after this deadline must follow the petition procedures described above.

Late Registration

Individuals who file an application for admission after the cut-off dates for pre-registration and priority registration may register for courses that are still available during the open registration period. (See Academic Calendar for specific date.)

Individuals who wish to register after the open registration period ends must obtain a "Petition for Permission to Make Changes After Deadline" form from the Admissions Office Information Window. This form must be signed by the professor of each course and by the department chairman or the Academic Dean. The approved petition form must be filed with the Registrar's Office and with the Business Office when fees are paid. Registration is not complete until all fees are paid. No registration by petition will be accepted after the last day to make registration or program changes. All registrations by petition will be assessed a $50.00 fee.

WITHDRAWAL POLICIES

COMPLETE WITHDRAWAL FROM THE UNIVERSITY

Students who wish to withdraw from all courses and leave the University in "Good Standing" must initiate an official request with the Dean of Student Special Services. Vocational-Technical students must clear with the Vocational Counselor prior to reporting to the Student Special Services Office. Students who are physically unable to come in because of hardship or health reasons should telephone or write to the Dean of Student Special Services and request a PETITION FOR COMPLETE WITHDRAWAL. The petition must be completed, signed and returned by the student requesting the withdrawal before the student's academic records can be legally closed for that semester.

The withdrawal process should be initiated prior to the end of the sixth week of classes for all grades to be recorded as "W" (Withdrawal - no credit or quality points earned). Refunds of registration fees are only pro-rated over the first four weeks of a semester. It is not necessary to request a withdrawal from the University after a semester has been successfully completed or between semesters. Students who remain enrolled in a course(s) after the deadline and fail to complete course requirements will be awarded a final grade of "F".

Right of Appeal:

Withdrawal Students have a right of appeal to the Dean of Student Special Services for an exception to the requirements of an academic regulation for an emergency or medical reason, hardship, unusual or extenuating circumstances that can be verified. Prior to approving a student record change, the Dean of Student Special Services will investigate and confirm the extenuating circumstances.

FACULTY INITIATED WITHDRAWAL

Although the primary responsibility for withdrawing from individual courses rests with the student, the professor may have a student dropped from the course for one or more of the following reasons:

1. Failure to attend class.
   a. The student registers for the course on either a credit or an audit basis, but attends only briefly, if at all.
   b. The student is registered for another class with conflicting meeting times.
   c. PROCEDURE: Within 1 week after the permanent roll sheets are sent out, the instructor sends to the Vice President for Student Affairs a list indicating names and student numbers of all students in question, the course and section numbers, and the nature of each student's problem. The instructor must sign the list. The Vice President notifies each student of the impending action, requesting the student to meet with the instructor within 2 weeks. After that 2 week period is over, the instructor sends an amended version of the original list to the Vice President to indicate which students from the original list should be withdrawn. The department chairman must sign this document. The Vice President forwards the list to the Registrar's Office for processing.

2. Failure to meet course entrance requirements.
   a. The student has not passed a prerequisite for the course.
   b. The student has not passed and is not enrolled in a course corequisite.

3. Failure to meet academic requirements.
   a. The student does not have the required class standing for the course.
   b. PROCEDURE: Within 1 week after the permanent roll sheets are sent out, the instructor sends to the Registrar's Office a list, signed by the department chairman, indicating the student names and numbers, the corresponding course and section number, and the nature of each deficiency. The Registrar's Office then processes the withdrawals.

3. APPEALS: The Vice President strives for accommodation between the student and the instructor, but the final decision is with the department chairman. Students who disagree with the decision of the department chairman may appeal to the Academic Grievance Board.

Student Address or Name Change

The student is held responsible for keeping address or name change information up-to-date with the Registrar's Office. Change of Address or Name Change forms may be obtained in Room 102 of the Administration Building. Mailing of notices to the last address on record constitutes official notification.

ACADEMIC PROBATION AND DISMISSAL POLICY

A student whose academic work falls below the level indicated in the table below is placed on academic probation. A student who continues on academic probation at the end of the next semester of attendance, is subject to dismissal from the University.

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
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<th>Minimum GPA</th>
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<td>43</td>
<td>1.88</td>
<td>65 or more</td>
<td>2.00</td>
</tr>
</tbody>
</table>

1. Academic Probation
   a. At the end of a semester (fall, spring or summer) an undergraduate student who does not attain the cumulative grade point average required for the number of hours attempted is placed on probation for the next semester of enrollment. Notification of probationary status is by letter (to most recent mailing address) sent within two weeks of the close of a semester.
   b. A student on academic probation whose cumulative GPA improves to the acceptable level will be automatically removed from probation.

2. Dismissal

The student who continues on academic probation at the end of the next semester of attendance will be dismissed from the University unless the student's GPA for the most recent semester of enrollment was 2.00 or higher. Notification of dismissal is by letter (to most recent mailing address) sent within two weeks of the close of a semester.

3. Reinstatement

a. A student dismissed from the University, may be reinstated by submitting and receiving favorable action upon a petition to the academic dean of the college from which the student was dismissed. This is the only route to reinstatement and applies even to students who have attended another institution since being dismissed from BSU. Readmission to a college may be accompanied by academic performance requirements which are more stringent than those of the University. Failure to meet conditions specified for continuation as a major in a particular college may prohibit a student from future enrollment in that college even though the University minimum academic requirements are satisfied.
b. Normally, a student is reinstated on probationary status. If, however, the student's GPA meets the minimum requirement, the dean may elect to admit the student in good standing.

4. Restrictions
A student on probation is ineligible to participate in University-sponsored extracurricular activities. (See Eligibility for Extracurricular Activities section of the BSU Student Handbook.)

Dean's List
To receive Dean's List recognition a student who has completed 12 or more hours of gradeable credit (excluding P, S/U, CR/NC, or NC) in a given semester and achieved a G.P.A. of 3.50 or higher for that semester. An individual with a grade point average of 3.50 to 3.74 receives an "Honors" designation; a person with a 3.75 to 3.99 grade point average receives a "High Honors" designation; and a person who achieves a 4.0 grade point average receives a "Highest Honors" designation.

Petitions
Where strict application of any Boise State University regulations seem to work an unreasonable hardship, the student may petition for an exception. Academic petitions should be addressed to the academic dean of the appropriate college/school. Other petitions should be directed to the appropriate administrative offices.

Course Numbering
Courses are numbered on the basis of the following:

- 000-099 Terminal credit and non-credit courses (including remedial, evening vocational, and adult education courses). These courses do not apply towards degree programs.
- 100-199 Freshman level courses
- 200-299 Sophomore level courses
- 300-499 Upper division level courses
- 500-above Graduate level courses

Upper division level courses, numbered at 300 or 400 level may be given a "g" or "G" designation to carry graduate credit. The "g" courses carry graduate credit for graduate students in majors outside the area of the department or college. "G" courses carry graduate credit for students both in the department or college and for other students as well.

Throughout the catalog where course descriptions are given a hyphen between course numbers indicates that the first numbered course is a prerequisite (PREREQ:); to a second numbered course; a comma between course numbers indicates that either course may be taken independently of the other.

Immediately following the course title, the weekly hours of lecture, non-lecture or other (such as laboratory, studio, etc.,) and the credits earned are shown in parentheses. The semesters the course is normally offered may also be shown. For example:

- (3-4-5(F)) Indicates 3 hours of lecture, 4 hours laboratory, and 5 credits for a course offered each fall.
- (0-4) Indicates a laboratory without credit offered regularly each semester.
- (2-0-2)(F/S) Indicate a typical two-hour lecture class for two credits offered either fall or spring semesters.
- (0-2-1)(F/SU) Indicates a two-hour studio art or PE activity class for one credit offered in fall and summer semesters

Other authorized abbreviations are PREREQ: for prerequisite, COREQ: for corequisite, PERMINST for permission of the instructor and PERM/DEPT for permission of the department chairman or his representative.

Course Prerequisite Waiver
As a general rule students must complete prerequisites listed in the course description prior to enrolling in the course. However, specific course prerequisites may be waived upon written approval of the Dean of the College in whose area the course is offered. A student seeking to have prerequisites waived must justify the request on the basis of background, education, and experience.

Admission to Upper Division Courses
Upper-division courses are open to students who have completed the stated course prerequisites and 57 semester credits of college work.

Lower-division students who have a GPA of 2.0 or better may take upper-division courses if the course is required during the sophomore year in a specific curriculum in which the student is majoring, or the student has the written permission of the chairman of the department in which the course is offered and the concurrence of his/her advisor.

Undergraduate Enrollment in 500-level Courses
Undergraduate senior students may apply up to a total of two 500-level courses toward the credit requirements for an undergraduate degree. 500-level courses may be applied to the required 40 hours of upper-division credit. To be eligible for this a student must complete a "Senior Permit" form available in the Registrar's Office.

University-Wide Course Numbers

Undergraduate
The following course-wide standardized course numbers and titles are available to each department offering a major.

INDEPENDENT STUDY (168 and 496) must be arranged between student and professor on an individual basis. The course description does not appear in other sections of the catalog.

HONORS INDEPENDENT STUDY (1-3 credits). An independent study experience to provide an Honors student study opportunities of a reading or project nature. Credits may not exceed three (3) per semester nor six (6) maximum in an academic year. PREREQ: Approval of the Dean and Department Chairman upon recommendation of the faculty advisor.

293-493 INTERNSHIP (Variable Credits). The internship number is available to academic departments to provide an opportunity for supervised field-work that is specifically related to the student's major field of study. To enroll in 293-493, a student must also have a cumulative GPA of 2.00. No more than 12 credits earned in internship (293 and/or493) can be used to meet department and/or University graduation requirements. Students will earn regular letter grades for this experience. Each internship must receive approval by the academic department whose course prefix is being used.

294-494 CONFERENCE OR WORKSHOP (0-4 credits). Conducted by outstanding leaders or qualified faculty in a particular field under the auspices of Boise State University Conference or workshop (294, 494) and special topic courses (297, 497) will be described in the class Schedule published each semester.

297 SPECIAL TOPICS (1-4 credits). *PREREQ: Consent of instructor and department chairman.

496 INDEPENDENT STUDY (1-4 credits). Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year, with no more than 4 credits earned in a given semester. PREREQ: Consent of instructor and department chairman, upper division standing.

497 SPECIAL TOPICS (2-4 credits). *PREREQ: Advanced standing and consent of instructor and department chairman.

498 SEMINAR (1-4 credits).

499 SEMINAR (1-4 credits).

* 297 or 497, Honors or Interdisciplinary Humanities courses will be allowed to apply toward core requirement; however, other departmental Special Topics courses may apply toward graduation.

Graduate
The following numbers may be used by any department to offer credits for the type of activity indicated in the title. These courses may be offered for variable credit. Limits on the number of credits of any one number category to be applied towards a given degree will be set by the Graduate Council. The supervising professor or committee will determine which credits may apply to an individual's program.

580-599 SELECTED TOPICS

Subjects normally offered and studied in one department can be divided into no more than 10 areas. Each area will be assigned one number of the 580-590 group. Although the topics considered in the courses in any one area may vary from semester to semester, repeated use on any one number implies that the topics continue to be selected from the same area.

590 PRACTICUM
591 PROJECT
592 COLLOQUIUM
593 THESIS
594 EXTENDED CONFERENCE OR WORKSHOP (Graded A through F)
596 DIRECTED Research

Masters programs may include directed research credits at the discretion of the graduate student's supervising professor or committee. A student may earn a maximum of 9 semester hours with no more than 6 in a given semester or session.

597 SPECIAL TOPICS
598 SEMINAR
599 SHORT TERM CONFERENCE OR WORKSHOP (Graded Credit or No Credit)
Generally the 599 number is used for courses meeting 3 weeks or less and the 594 for courses meeting more than 3 weeks. The decision, however, is made by the department or school offering the course.

Interdisciplinary Courses

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

HONORS

HP 196, 298, 399, 498 HONORS SEMINAR (1 credit). A seminar involving interdisciplinary lectures and discussion for Honors Students. Topics are selected by the students. Credit or no credit will be given rather than letter grade.

HP 100, 200, 300, 400 SUMMER READINGS (1-3 credits). An opportunity and incentive for students to continue their studies during the summer when they are away from campus and faculty. Students must select their area of interest, contact a faculty supervisor, and coordinate through the Honors Program Director concerning testing and credit for the work prior to the end of the spring semester. Students will complete written and oral testing as required no later than October 15 in order to receive credit or no credit.

HP 492 HONORS COLLOQUIUM (3 credits). Upper-division Honors students bring the background of their own major to a multi-disciplinary forum. Letter grade given.

With approval of the University Curriculum Committee, Honors courses excluding summer readings, may be applicable to core. No more than two honors courses may be from one area.

STUDENT GOVERNMENT

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

GENERAL SCIENCE

GS 301 HISTORY (3 credits). (Course: General Science description in Part 6, Graduate College, of this catalog.)

INTERDISCIPLINARY STUDIES IN THE HUMANITIES

IH 101 Interdisciplinary Studies in the Humanities: HUMANITIES: A VIEW OF HUMAN NATURE I (3-0-3)(F). Especially designed for non-humanities majors, this small-taught class integrates information to provide views of human experience. Among the topics explored are different views of human nature, different ways of knowing, the nature of humanism, and the impact of experience on the individual. PREREQ: Completion of or concurrent enrollment in E 101.

IH 102 HUMANITIES: A VIEW OF HUMAN NATURE II (3-0-3)(F). As a continuation of IH 101, this course focuses on humanistic perceptions and assumptions concerning how people understand and respond to society and how values affect our personal, social, and business lives. PREREQ: E 101.

IH 111 HUMANITIES: A VIEW OF HUMAN NATURE, III, "CONSCIOUSNESS AND HUMAN IMAGINATION" (3-0-3)(F). This course will examine the human imagination as a necessary constituent of each person's consciousness of his lived experience, i.e., it will analyze the role that human imagination plays for each of us in making our everyday lives private and social, livable, understandable, and worthwhile. This course will also examine the imagination's capacity to capture our lived experience for reflection in the formalized modes of imagination, science, philosophy, art and literature. Students will examine and evaluate the relevant and relative values of these forms of expression of, or concurrent enrollment in E 101.

IH 112 HUMANITIES: A VIEW OF HUMAN NATURE, IV, "HUMAN CHOICES AND THE FUTURE" (3-0-3)(F). This course assumes that the future will be shaped through human choices and will explore the role of the humanities in understanding and defining the conditions necessary to making human choices: self-knowledge, understanding language, and understanding ways of knowing. Since the humanities are involved with a constant examination of human values, it will also consider plans and strategies for maintaining conditions for genuine human choice. This course focuses on methods of conceptualization, the way in which the human imagination frames its understanding of the world about it. Since human choice results from the way in which the chooser understands the problem, the clearer the perception, the better the choice. PREREQ: Completion of or concurrent enrollment in E 101.

Special Topics courses in IH Interdisciplinary Studies in the Humanities may be approved by the University Curriculum Committee to meet Area I core requirements.

CANADIAN STUDIES MINOR

The Canadian Studies Minor, consisting of eighteen credit hours, of which six are required, is designed to complement any university major.

The program is interdisciplinary in its approach and at the same time permits students to pursue their interests in Canadian Studies. Students in Business, health, education, and the liberal arts are encouraged to pursue the program. Upon successful completion of the eighteen hours of credit the student will receive a certificate of completion and this will be so noted on the transcript.

CANADIAN STUDIES COURSES

CN 101 CANADA: LAND AND PEOPLE (3-0-3) (F-Autumn Even Years.) Introductory, interdisciplinary survey, presenting the themes of geography, physical resources, history, political system and Indian Eskimo culture. Faculty from participating departments will span two centuries of Canadian growth and development and attainment of national identity. Open to all students. Required of CN Minors.

CN 102 CONTEMPORARY CANADA (3-0-3) (S-Alternate Even Years.) Faculty from participating departments present areas of current Canadian international interest. Detailed study of modern Canadian life and culture, literature, economic development, foreign affairs, conservation, and provincial/territorial relationships are focused. Open to all students. Required of CN Minors.

CN 300 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3)(S) Describes Canadian communication industries, issues and inquiry, especially the question of cultural identity for Canada. Discusses governmental communication policy as a tool for preserving national, regional and tribal identity. Examines Canadian scholars of communication. Crosslisted as CN 300 for credit in the Communication major.

Courses that will meet the 12 hours of electives to be chosen from two or more disciplines:

- AN 307 Indians of North America
- AN 312 Archeology of North America
- F 201-02 Intermediate French
- F 303-04 Advanced Composition and Conversation
- F 326 Lectures avances de la poesie et de la prose francaises
- F 359 Les grandes oeuvres contemporaines (1939 to the present)
- F 376 La Civilization francaise historique
- F 377 La Civilization francaise moderne
- GG 297 Geography and Geology of Canada
- HY 335 Diplomatic History of the United States
- HY 380-480 United States/Canadian Accords
- PO 311 Comparative Foreign Policy
- EC 317 International Economics
- Plus the Special Topics as offered each semester on Canada.

Advanced Placement and Individualized Studies

For questions related to Advanced Placement, please direct inquiries to:
Dr. William Mech, Director
Honors Program
Library Building, Room L 408 G
Boise State University
1910 University Drive
Boise, Id 83725
(208) 485-1122

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Many colleges and universities, including Boise State University, accept the General and Subject Matter Examination of CLEP as an alternative by which a student may satisfy certain general education, specific course, or pre-major requirements.

Students generally prepare for the examinations by independent studies, advanced high school courses, auditing courses, attending non-accredited schools, on-the-job-training, or other experience.

You may repeat any General or Subject Examination six months after you last took it. Scores on tests repeated earlier than the specified time will be cancelled and test fees forfeited.

If the scores submitted are at or above the percentile scores indicated on the form you have completed, the student will receive credit for the equivalent credits so designated. The entries on the transcript will show the specific Boise State requirement met with no letter grade. The heading will show CLEP SCORES on the transcript. The credit awarded will count toward the graduation requirements at Boise State and will reduce, by the number of credits awarded, the number of credits still required to graduate. CLEP General Examinations will not be officially released on a Boise State transcript to other agencies or institutions until the student has successfully completed 15 academic credit hours with Boise State University.

Boise State currently accepts test scores of CLEP in the following general areas:

- **CLEP EXAM TITLE**
- **BSU EQUIVALENT CREDIT**

   **English**
   - Score of 500 or above
   - 3 credits in LD Electives

   **Natural Science**
   - Score of 499-570 (50-75th)*
   - Score of 571 or above
   - 4 credits in Area III

   **Mathematics**
   - Score of 488 or above (50th)
   - 4 credits in Area III

   **Humanities**
   - Score of 489-566 (50-75th)
   - 3 credits in Area I

   **Social Science**
   - Score of 489-566 (50-75th)
   - 3 credits in Area II

   **Score of 569 or above**
   - 6 credits in Area II

* National College Sophomore Norm Group

27
A student may earn a minimum of three (3) hours of lower division elective credit for each CLEP College Level Examination Program Subject Exam passed with a score of 50 or higher. A department may opt to grant specific departmental credit for a CLEP Subject Exam passed at a departmentally-determined level. In the event the student qualifies under both options, the student will select which option prevails — lower division or departmental.

If the scores submitted are at or above the scores indicated by the Departments, the student will receive credit for the equivalent courses so designated. The entries on the transcript will show the specific Boise State course number, title, and credits with no letter grade. The heading will show CLEP SCORES on the transcript. The credit awarded will count toward the graduation requirements at Boise State and will reduce, by the number of credits awarded, the number of credits still required to graduate.

CLEP Subject Matter Examination credits will not be recorded on a Boise State transcript until the student has successfully completed 15 academic credit hours with Boise State.

B.S.U. Academic Departments currently accept CLEP Subject scores in the following subject matter areas. (Minimum passing scores are indicated after each examination title):

- AP credits will be recorded on the Boise State transcript as Soon as the student has successfully completed 15 academic credit hours with Boise State.

CLEP scores should be sent ATTN: Dean of Admissions. A complete list of available CLEP Subject Exams can be found below.

**CLEP SUBJECT MATTER EXAM**

<table>
<thead>
<tr>
<th>Subject Matter Exam</th>
<th>BSU EQUIV COURSE, CR</th>
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<tr>
<td>English Composition (50)</td>
<td>E 101, English Comp (3)</td>
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<tr>
<td>College Composition (50)</td>
<td>E 101, English Comp (3)</td>
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<td>Freshman English (50)</td>
<td>E 101, English Comp (3)</td>
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<tr>
<td>Analysis &amp; Interp of Lit. (50)</td>
<td>E 102, English Comp (3)</td>
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<tr>
<td>English Comp &amp; Lit. (50)</td>
<td>B 100 Concepts of Biology (4)</td>
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<tr>
<td>Biology (50)</td>
<td>B 101 &amp; 102, General Biology (8)</td>
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<tr>
<td>General Chemistry (48)</td>
<td>C 107, 108, Essentials of Chem (4)</td>
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<tr>
<td>College Algebra &amp; Trig. (49)</td>
<td>M 111, Algebra and Trig (5)</td>
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<td>Calc with Elem Funci (50)</td>
<td>M 204, Calcul &amp; Anal Geom (3)</td>
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<tr>
<td>Calc with Analyt Geom (50)</td>
<td>M 204, Calcul &amp; Anal Geom (3)</td>
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<tr>
<td>Statistics (50)</td>
<td>M 361 Fundamentals of Statistics (4)</td>
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<tr>
<td>Intro to Acct (50)</td>
<td>AC 205 Intro to Financial Acct +</td>
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<tr>
<td>Computers &amp; Data Proc (50)</td>
<td>AC 206 Intro to Managerial Acct (6)</td>
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<tr>
<td>Introductory Sociology (50)</td>
<td>IS 210, Intro to Info Sci (3)</td>
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<tr>
<td>American Government (50)</td>
<td>PO 101 Intro to Sociology (3)</td>
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<tr>
<td>Intro Business Law (60)</td>
<td>PO 101 Amer Natl Govt (3)</td>
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<tr>
<td>Introductory Marketing (50)</td>
<td>GB 202 Business Law (3)</td>
</tr>
<tr>
<td>General Psychology (50)</td>
<td>MK 301 Princ of Marktg (3)</td>
</tr>
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<td>For information concerning time, place and cost of testing, contact the Counseling and Testing Center, 6th floor, Education Bldg., Room 611, phone 385-1601.</td>
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</table>

**ADVANCED PLACEMENT (AP) Program of the College Board**

A student may earn a minimum of three (3) hours of elective lower division credit for each CEEB (College Entrance Examination Board). Advanced Placement Exam passed with a score of 3, 4, or 5. A department may opt to grant specific departmental credit for an AP Exam passed at a departmentally-determined level. In the event the student qualified under both options, the student will select which option prevails — lower division elective credit or departmental credit.

AP credits will be recorded on the Boise State transcript as soon as possible following receipt and evaluation.

BSU Academic department currently accept AP test scores in the following subject areas:

**AP EXAM**

<table>
<thead>
<tr>
<th>Subject</th>
<th>BSU EQUIVALENT COURSES &amp; CREDITS</th>
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<tbody>
<tr>
<td>American History</td>
<td>HY 151-152 (6)</td>
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<td>Art, Studio</td>
<td>AR 113-114 (4)</td>
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<td>Biology</td>
<td>BT 130-Z 130 (9)</td>
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<tr>
<td>Mathematics</td>
<td>C 131-134 (9)</td>
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<tr>
<td>Chemistry</td>
<td>E 101 (3)</td>
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<tr>
<td>English (Based on evaluation of essay)</td>
<td>F 101-102 (6)</td>
</tr>
<tr>
<td>French Level 3, Language</td>
<td>G 101-102 (8)</td>
</tr>
<tr>
<td>German Level 3, Language</td>
<td>G 201-202 (8)</td>
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<tr>
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<tr>
<td>Mathematics, Calculus AB</td>
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<td>Spanish Level 3, Language</td>
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<tr>
<td>Spanish Level 3, Literature</td>
<td>S 201-202 (8)</td>
</tr>
</tbody>
</table>

AP scores should be sent ATTN: Dean of Admissions.

**Credit by Examination (CHALLENGE)**

Any student may challenge a Credit by Exam University course, subject to department determination of appropriate courses, when he/she feels that he/she has acquired sufficient knowledge to pass an examination covering the content of the course. In those cases where credit by examination is allowed, the department shall have the option of using a standardized examination or an examination prepared within the department. A student attempting to earn credit by examination must consult with the Department Chairman to determine whether the credit will be a regular grade or on a credit-no-credit basis, whereby the student receives credit and no grade for the course if he passes the examination.

**Credit for Prerequisites Not Taken**

Students who have sufficiently high GPA or ACT scores, who pass a departmental placement examination, or who have the approval of the department chairperson may take designated courses without having completed the listed prerequisite.

Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) may be given credit for the prerequisite course(s) with a grade of "P." To qualify, students must initiate the application in consultation with their advisor only after the final grade for the advanced course is officially recorded. Department chairmen and deans will determine which course(s) can qualify for this credit. An examination covering the content of the prerequisite courses may be required.

**Transfer of Vocational-Technical/Academic Credits**

Block transfer of vocational-technical credit from accredited or State approved vocational-technical schools in the State of Idaho into specific departmental programs, or general elective credit at Boise State University may be awarded as determined by the appropriate academic department and approval of the dean.

Credit for specific vocational-technical school courses may be awarded when equivalency has been validated by the appropriate academic department and approved by the school offering the equivalent course work. Vocational-technical school credit may be awarded for specific academic course credit when the equivalency has been determined by the appropriate vocational-technical division or department.

Reciprocal exchange of non-equivalent prior learning such as course work training or work experiences between vocational-technical and academic institutions shall be at the discretion of the appropriate division or department.

If a student transfers from one program in vocational-technical education or an academic program to another, the receiving department or division will re-evaluate the appropriateness of such vocational-technical training, experience, and/or academic course work.

**Independent Study**

The independent study experience provides individual study opportunities of reading or project nature. The availability of independent study opportunities for graduate students, upper-division, and Honors Program lower-division students represents one of several unique curricula choices at Boise State University.
Any department which fields a baccalaureate or graduate degree program is authorized to offer independent study. The course numbers identifying independent study are not listed in the Schedule of Classes. This does not preclude their availability based on mutual agreement between student and professor and approval by the appropriate department chairman.

Upper division students are eligible for 1 to 4 credits of Independent Study per semester. This experience may be repeated for a maximum of 9 credits towards graduation with no more than 6 credits in any given academic year.

Lower division Honors Program students are eligible for 1 to 3 credits of Honors Independent Study per semester. Credits may not exceed 3 per semester with no more than 6 in an academic year.

Independent Study may not be substituted for any departmental course requirements without prior approval of the department chairman and dean of the college offering the independent study.

**INTERNSHIPS/COOPERATIVE EDUCATION**

Most departments at Boise State University provide internships or cooperative education programs that give students practical, on-the-job experience which contributes to their academic development.

Because the university is surrounded by several businesses, government agencies, and health care facilities, internships/cooperative education opportunities, students should consult the academic department that offers the programs.

The following are some of the common internship/cooperative education experience available:

**School Of Arts & Sciences**

Social Work internships/cooperative education with various government agencies.

Mathematics internships/cooperative education with government departments, corporations and education.

Biology internship/cooperative education with state and federal agencies research laboratories and educational institutions.

English internships/cooperative education in writing laboratory and developmental writing programs on campus.

Communication internships/cooperative education with many government and business enterprises.

Political Science internships/cooperative education with the Idaho legislature.

Construction Management internships/cooperative education with local contractors.

**School of Business**

Accounting/Data Processing internships/cooperative education with local businesses.

Business Education and Office Administrative internships/cooperative education with local businesses.

Marketing/Mid-Management internships/cooperative education with local businesses.

**School of Education**

Elementary, secondary, and physical education student teaching psychology internships/cooperative education.

Athletic training and coaching internships.cooperative education.

**School of Health Sciences**

Supervised clinical practice in local health care facilities for students in Allied Health and Nursing programs.

Pre-medicine, pre-dental, pre-veterinary medicine, pre-physical therapy internships/cooperative education with individual health care practitioners.

Environmental Health internships/cooperative education with district health agencies and the Environmental Protection Agency.

School of Vocational-Technical Education.

Internships/cooperative education between Vocational-Technical Education programs and industry.

**GRADUATION REQUIREMENTS**

**Application for Graduation**

A student must make formal application for graduation by filing an application form in the Registrar's Office. To be guaranteed a graduation evaluation prepared prior to the last semester of attendance, a student should apply at least two semesters in advance of contemplated graduation or upon completion of 70 credit hours.

Requirements for graduation are checked in accordance with the requirements of one University catalog. A student is not permitted to combine programs from different catalogs, but may choose to graduate on the basis of the catalog of any year he/she has been registered providing that the catalog was in effect not more than six academic years prior to the year of graduation.

**General University Requirements (CORE)**

To receive a Baccalaureate degree from Boise State University, all students must meet certain core requirements. Approximately one third each of their undergraduate program will be taken in core courses, major concentration, and electives. The University core is aimed at developing specific learning and communication skills of literacy and critical thought. The university core requires 3 to 6 credits of English Composition, dependent upon the student's score on a national test, 12 credit hours in each of 3 areas — Area I, Arts and Humanities, Area II, Social Sciences, and Area II, Natural Science (Math/Science). Specific coursework will be required in at least three disciplines in Areas I and II. BA candidates must include a literature (Area I) and a history (Area II) course, and either: 1) a year's sequence in one science and a semester in another or 2) three courses in math/science concepts, for fulfilling Area III.

In addition, B.A. students must have an additional 9 hours in Area I and/or II, and B.S. students must have an additional 9 hours in Areas II and/or III. Degrees other than the B.A. or B.S. may differ in their core content quantitatively from the core, but must contain English Composition and a minimum of 26 credits to be chosen from Areas I, II, and II, with no less than 6 credits taken from any one of those areas.

Courses offered to fulfill core requirements will be identified by area in the catalog; e.g., P 101 GENERAL PSYCHOLOGY [3-0-3][AREA II] A grade of "C" is required in any course used to fulfill a core requirement including E 101, 102. All entering full-time students whose national test scores (ACT or SAT) show a composite percentile at the 20th percentile in English or Math will be referred to a special advisor who will help the student enroll in appropriate courses to build basic skills. Such students should not enroll in more than an equivalent of 12 credit hours per semester until the deficiency is removed.

All students who have not taken and passed a competency exam as part of their writing courses at Boise State University must pass a competency exam in written English which should be taken prior to the senior year.

The ENGLISH COMPOSITION requirement may be met in one of the following ways:

1. Completion of E 101 and E 102, English Composition.
2. Completion of E 111 and E 112, Honors Composition. Admittance is dependent on ACT score.
3. Successful Challenge of E 101 or E 102 by taking the departmentally specified competency test.
4. Students who score in the 80th percentile or above on the ACT, or who are permitted to take and pass the departmentally specified competency test are exempt from E 101, E 102 is required.

**AREA REQUIREMENTS** are general education requirements required of all students seeking a Baccalaureate degree. Courses in the following lists have been approved to satisfy the core requirements. Additional courses may be approved and students should check with academic advisors for the most current list of courses approved to satisfy core requirements.

**AREA I — ARTS AND HUMANITIES**

AR 101, 102 Survey of Western Art
AR 103 Introduction to Art
AR 105, 106 Basic Design
E 215 Far Eastern Literature in Translation
E 230 Western World Literature
E 235 Western World Literature
E 240 Survey of British Literature to 1790
ACADEMIC INFORMATION

E 260 Survey of British Literature: 1790 to present
E 271 Survey of American Literature: Beginning to Civil War
E 272 Survey of American Literature: Civil War to Present
F 201, 202 Intermediate French
G 201, 202 Intermediate German
HU 207, 208 Introduction to Humanities
*IH 101 Humanities: A View of Human Nature, I
*IH 102 Humanities: A View of Human Nature, II
*IH 111 Humanities: A View of Human Nature, III
*IH 112 Humanities: A View of Human Nature, IV
MU 133 Introduction to Music
MU 341, 342, 343, 344 History and Literature of Music
PY 101 Introduction to Philosophy
PY 121 Introduction to Logic
S 201, 202 Intermediate Spanish
TA 107 Introduction to Theatre

Special Topics courses in IH Interdisciplinary Studies in the Humanities and HP Honors courses may also be approved to meet Area I core requirements.

*Only 6 credits of IH courses may be taken to satisfy core requirements.

AREA II — SOCIAL SCIENCES
AN 101 Physical Anthropology
AN 102 Cultural Anthropology
AN 103 Introduction to Archeology
CM 111 Fundamentals of Speech Communication
CM 112 Reasoned Discourse
EC 201 Principles of Economics-Macro
EC 202 Principles of Economics-Micro
GG 101 Introduction to Geography
GG 102 Cultural Geography
HY 101, 102 History of Western Civilization
HY 105 Eastern Civilizations
HY 151, 152 United States History
HY 201, 202 Problems in Western Civilization
HY 251, 252 Problems in U.S. History
PO 101 American National Government
PO 231 International Relations
P 101 General Psychology
SO 101 Introduction to Sociology
SO 102 Social Problems
SO 230 Introduction to Multi-Ethnic Studies
SW 101 Introduction to Social Work
TE 201 Foundations of Education

AREA III — NATURAL SCIENCE - (Math/Science)
B 100 Concepts of Biology
B 101, 102 General Biology
BT 130 General Botany
C 100 Concepts of Chemistry
C 107 Essentials of Chemistry
*C 108 Laboratory for Essentials of Chemistry
*C 109 Essentials of Chemistry
*C 110 Laboratory for Essentials of Chemistry
C 131 College Chemistry I
*C 132 College Chemistry I Lab
C 133 College Chemistry II
*C 134 College Chemistry II Lab
EN 100 Energy for Society
GO 100 Fundamentals of Geology
GO 101 Physical Geology
GO 103 Historical Geology
M 100 Mathematics for Liberal Arts Students
M 105, 106 Mathematics for Business Decisions
M 111 Algebra and Trigonometry
M 204, 205, 206 Calculus and Analytic Geometry
M 211, 212 Accelerated Calculus
PS 100 Foundations of Physical Science
PH 101, 102 General Physics
PH 105 Introduction to Descriptive Astronomy
PH 220 Physics I - Mechanics
PH 221 Physics II - Wave Motion and Heat
PH 222 Physics III - Electricity and Magnetism
PH 223 Physics Lab I - Wave Motion and Heat Lab
PH 224 Physics Lab II - Electricity and Magnetism Lab
Z 130 General Zoology

*Concurrent enrollment in the appropriate lecture is required.

BACALAUREATE DEGREES

Minimum Graduation Requirements (Credits)

ALL BACALAUREATE DEGREES

General College Requirements (minimum)

1. Total credit hours
   Must include:
   - English Composition E 101, 102
   - Upper Division credit hours
   - Grade Point Average
   - For all Courses taken

2. Area I Requirements
   - Minimum requirements for one of the degrees offered.

3. Area II - Social Sciences
   - Specific Requirements for a departmental major:
     a. A student must have a minimum cumulative 2.00 GPA in all courses required by his/her major.
     b. A student will not be allowed credit toward his/her major department requirements for any grade of "D" in upper division courses in his/her major department.

4. Area III - Natural Science
   - A minimum of 15 credit hours of electives outside of the major field.
   - Minimum credit hours in residence: The last 30 credit hours prior to graduation must be taken at the university during the regular or summer sessions.

Extension, Correspondence, and Religion Courses

A candidate for a degree may earn up to 32 semester hours in any combination of extension and/or correspondence courses toward the required credit hours for graduation. These hours must have departmental approval for acceptance towards major department requirements.

Such correspondence courses must be completed, and the transcript filed with the registrar prior to mid-term of the semester in which the last 30 hours of residence credit are started.

Up to eight (8) credits of non-sectarian religion courses from accredited colleges and universities may be accepted as general electives.

Physical Education Courses

A candidate for a degree may have up to 8 semester hours of Fitness Activity courses counted towards graduation.

Requirements for Additional Baccalaureate Degree

1. A minimum of 30 additional semester hours of resident work, beyond the hours required for his/her first degree, for each subsequent degree.

2. Satisfaction of upper-division requirements in the major field selected as recommended by the department and approved by the dean of the school granting the additional degree.

3. Satisfactory completion of other requirements of the University as approved by the dean of the college granting the additional degree.

Requirements for Double Major

A student may be granted a single baccalaureate degree with more than one major, providing that he/she satisfies all requirements for each major field as recommended by the department and approved by the dean of the college granting the additional degree as well as satisfying all requirements for the degree sought.

BACHELOR OF ARTS DEGREE

MINIMUM REQUIREMENTS (CREDITS)

1. General University requirements — 3 or 6* credits
   - English Composition E 101, 102
   - Must include:
     3 or 6*

2. Area I Requirements
   - 12
     a. Three credits in Literature
     b. Three credits in a second field
     c. Three credits in a third field
     d. Three credits in any Area I field

* Determined by score on ACT exam. See "CORE" requirements.
3. Area II Requirements
Social Sciences ........................................... 12
  a. Three credits in History
  b. Three credits in a second field
  c. Three credits in a third field
  d. Three credits in any Area II field
4. Area III Requirements
Natural Science/Mathematics ................................ 12
  a. A year's sequence chosen from:
     1) Biological Sciences
     2) Mathematics
     3) Physical Sciences +
     With additional credits from a field other than that chosen to satisfy the sequence requirement.
  OR
  b. Any three of the following courses except no more than two from a single department:
     1) Biology — Concepts of Biology
     2) Chemistry — Concepts of Chemistry
     3) Geology — Fundamentals of Geology
     4) Mathematics — Mathematics for Liberal Arts Students
     5) Physics, Engineering, and Physical Science
        a) Energy for Society
        b) Introduction to Descriptive Astronomy
        c) Either Foundations to Physical Science or A cultural Approach to Physics, but not both
5. Students seeking the B.A. degree must have an additional 9 credits chosen from courses in any of the following disciplines:
   Art
   Humanities
   Literature
   Music
   Philosophy
   Theatre Arts
   Foreign Language (201 or higher of one language)
   Anthropology
   Communication
   Economics
   Geography
   History
   Political Science
   Psychology
   Social Work
   Sociology
   Teacher Education
6. Departmental Major

BACHELOR OF SCIENCE DEGREE
MINIMUM REQUIREMENTS (CREDITS)
1. General University requirements
   English Composition E 101, 102 ................................ 3-6*
2. Area I requirements
   Arts & Humanities ........................................ 6
3. Area II requirements
   Social Sciences ........................................... 12
5. Area III Requirements
   Two-semester sequence in math ........................................... 8
   One-semester physical or biological science ...................... 4
   Suggested science courses:
   Concepts of Biology, B 100
   Concepts of Chemistry, C 100
   Foundations of Physical Science, PS 100
   Fundamentals of Geology, G 100
   Introduction to Descriptive Astronomy, PH 105:
5. An additional 16 hours are required in disciplines other than those administered in the School of Business. These additional credits must include hours from at least two of the three areas listed below:
   Area I
   Humanities
   Theatre Arts
   Art
   Music
   Philosophy
   Foreign Language (201 or higher of one language)
   Area II
   Anthropology
   Communication
   Geography
   History
   Political Science
   Psychology
   Social Work
   Sociology
   Teacher Education
   Area III
   Biological Sciences
   Mathematics
   Physical Sciences

* Determined by student score on ACT exam. See General University (CORE) requirements.
+ The Physical Sciences include courses in Chemistry, Geology, Physical Science, and Physics.
%Literature — Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic area.
ACADEMIC INFORMATION

6. A major in Accounting, Administrative Services, Business Education, Economics, Finance, General Business, Information Sciences, Management, Marketing, Production Management, Quantitative Management or Real Estate meeting all specific requirements for the major, see requirements in Part 5.

BACHELOR OF FINE ARTS DEGREE

1. General University Requirements
   English Composition E 101, 102 .......................... 3-6*

2. Area I Requirements
   Arts & Humanities ........................................ 9
   a. Literature .................................................. 3
   b. Three credits in a second field ........................ 3
   c. Three credits in any of the following fields ............ 3
      Art — AR
      Humanities — HU
      Literature#
      Music History
      Philosophy — PY
      Theatre Arts — TA

3. Area II Requirements
   Social Sciences ............................................ 9
   a. History ................................................... 3

4. Area III Requirements Natural Science/Mathematics .......................... 8
   A year's sequence chosen from the following:
   Biological Science
   Mathematics
   Physical Science
   or any two of the following:
   Concepts of Chemistry
   Concepts of Biology
   Fundamentals of Geology
   Cultural Approach to Math
   Foundation of Physical Science
   Introduction to Descriptive Astronomy

5. Individual departmental major listings in other parts of the catalog may specify how Area I, II, and III requirements are to be fulfilled.

6. A major in Art

   A candidate for the BFA degree must have Art Department approval during his/her junior year.

   * Determined by student score on ACT exam. See general University (CORE) requirements.
   # Literature courses in various departments concerned with the writings of specific authors, periods, styles, themes or geographic areas.

BACHELOR OF APPLIED SCIENCE DEGREE

The School of Vocational-Technical Education, with the support of the College of Arts and Sciences offers a Bachelor of Applied Science degree with a major in the field of Vocational-Technical Education.

The program known as an "upside down" program provides for the acquisition of the major first, then the student acquires the core and the electives.

Permission into the Bachelor of Applied Science degree program must be obtained from the School of Vocational Education.

Minimum Requirements

Vocational-Technical Education Major .................................. 64
   Business Machine Technology
   Child Care Studies (Supervisor)
   Drafting Technology
   Electronic Service Technology
   Electronics Technology
   Electronics-Semi-Condutor Technology
   Horticulture Service Technician
   Machine Shop
   Marketing: Mid-Management

General University Requirements .................................. 64
   English Composition ...................................... 3-6
   *Area I (must have three fields) .......................... 12
      Art — Literature
      Philosophy — Foreign Language 201 or higher
      Humanities — Music
      Theatre Arts —
   *Area II (must have three fields) .......................... 12
      Anthropology — Psychology
      History — Geography
      Communication — Social Work
      Political Science — Sociology
      Economics — Teacher Education

   *Must have a C grade in each Core Curriculum course and an over-all GPA of 2.0.
Pre-Law Curriculum

Pre-Law Curriculum Boise State University does not prescribe a pre-law curriculum; the student's plans should be based on his/her own interests and his/her own personal objectives in studying law. In general, the pre-law student should place emphasis not only on the acquiring of knowledge of the fundamental elements which define the nature and character of society but also on the development of methods of study, thought, and communication. Present-day law students have undergraduate degrees in Political Science, English, Business, Natural Science, History, Linguistics, Communications, and a host of other disciplines.

For additional information, see the current PRE-LAW HANDBOOK, published annually in October and prepared by the Law-School Admissions Council and the Association of American Law Schools. This book includes material on the law and lawyers, pre-law preparation, application to law schools, and the study of law, together with individualized information on most American law schools. It may be ordered from Educational Testing Service, Princeton, New Jersey.

ASSOCIATE OF ARTS DEGREE PROGRAM

Participation in this program is limited to students at Mountain Home Air Force Base. The curriculum is focused around normal freshman and sophomore general education courses with a broad exposure to the social sciences. A student completing this program will have completed all University general education requirements except possibly one lab science course. The program includes:

- English Composition E 101, 102 ........................................ 3 or 6 Cr
- Area I including Literature ........................................... 12 Cr
- Area II including History ............................................ 12 Cr
- Area III ........................................................................ 6 Cr
- Major Requirements ..................................................... 12 Cr
- Electives ......................................................................... 14 or 17 Cr
- Total Credits ..................................................................... 64 Cr

Entrance into this program by a student at the MHAFB will be through a signed agreement by the student, the MHAFB Education Director, and the Continuing Education Director, Boise State University. The agreement shall terminate six months from the date of the student's transfer from MHAFB unless all three parties agree to a time extension. The agreement will be made available to only those students at MHAFB who have graduated from high school or who have successfully passed the G.E.D. examinations.

Once admitted to the Program, the student is responsible to see that his program moves forward to completion. Program advising will be available at the time of registration each semester, but it is the responsibility of the student to seek out advice when needed.

MAJORS AND DEGREES OFFERED

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<th>DESCRIPTION</th>
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<tr>
<td>BAS</td>
<td>Associate of Applied Science</td>
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<td>BA</td>
<td>Bachelor of Arts</td>
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<tr>
<td>BAS</td>
<td>Bachelor of Applied Science</td>
</tr>
<tr>
<td>BBA</td>
<td>Bachelor of Business Administration</td>
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<td>BFA</td>
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<td>BM</td>
<td>Bachelor of Music</td>
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<td>Bachelor of Science</td>
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ACADEMIC INFORMATION

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<tr>
<td>Pre-Forestry &amp; Wildlife Management</td>
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<td>Construction Management</td>
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**ACADEMIC INFORMATION**

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<td>Office Occupations</td>
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**ORGANIZATION CHANGE APPROVED**

**SCHOOL OF SOCIAL SCIENCES AND PUBLIC AFFAIRS**

The School of Social Sciences and Public Affairs is made up of the five Departments of Communication, Military Science, Political Science, Social Work and Sociology, Anthropology and Criminal Justice Administration.

The University has been mandated by the State Board of Education to be Idaho’s lead institution in the social sciences and in public affairs.
COLLEGE OF ARTS AND SCIENCES

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

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

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

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

WESTERN WRITERS SERIES
The Boise State University Western Writers Series is publishing booklets introducing students and teachers to the character of the work of western American writers. Written by scholars from various colleges and universities, each pamphlet offers a brief account of an author's life, salient features of his work (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 University as well as science fairs, environmental workshops, etc.
## DEPARTMENT OF ART

**Liberal Arts Bldg., Rm 252**  
**Chairman and Professor:** Dr. Louis A. Peck; **Professors:** Huff, Killmaster, Kober, Skov, Takehara; **Associate Professors:** Blankenship, Douglass, Heap, Miller, Ochi, Oravez, Roberts, Russell, Watia; **Assistant Professors:** Benson, Hoopes, Shurtleff, Smith, Tye, Taylor; **Visiting Professor:** Machacek

### ART MAJOR

**Bachelor of Arts Program**

1. **General Art — Bachelor of Arts Program**
   
   a. **General University & Basic Core Requirements**
   
   b. **1) Art Major Requirements**
      
      - Painting and-or Watercolor AR 113, 114, 217, 218
      - Drawing AR 111, 112
      - Art History AR 101-102
      - History (Area II)
      - Lab Science or Math (Area II)
      - Intro to Music or Drama (Area I)
      - Foundations of Education TE 201
      - Educational Psychology P 325
      - Lettering AR 107
      - Lettering and Layout AR 108
      - English Composition E 101-102
      - General Psychology (Area II) P 111
      - Intermediate Drawing AR 211
      - Intermediate Painting AR 215-217, 218-219
      - Intermediate Painting AR 215-217, 218-219
      - Foundations of Education TE 201
      - General Psychology (Area II) P 111
      - Intro to Music or Drama (Area I)
      - Lab Science or Math (Area III)
      - Electives (Area II)
      - Electives (Area III)

   2. **Art Education — Bachelor of Arts Program**
   
   a. **General University & Basic Core Requirements**
   
   b. **Art Major Requirements**
      
      - Painting
      - Watercolor
      - Drawing
      - Design
      - Art History
      - Ceramics
      - Sculpture
      - Printmaking
      - Crafts
      - Lettering
      - Senior Seminar

   c. **Electives**

   3. **Art — Advertising Design — Bachelor of Arts Program**
   
   a. **General University & Basic Core Requirements**
   
   b. **Art Major Requirements**
      
      - Advertising Design
      - Watercolor and-or Painting
      - Drawing
      - Design
      - Lettering — Lettering & Layout
      - Art History
      - Printmaking
      - Creative Photography
      - Senior Seminar

   c. **Electives**

### SOPHOMORE YEAR

- **Intermediate Drawing AR 211**
- **Intermediate Painting AR 215-217, 218-219**
- **Foundations of Education TE 201**
- **General Psychology (Area II) P 111**
- **Intro to Music or Drama (Area I)**
- **Lab Science or Math (Area III)**
- **Electives**

### FRESHMAN YEAR:

- **Basic Design AR 105-106**
- **Elementary Drawing AR 111-112**
- **Elementary Painting AR 113-114**
- **Art History AR 101-102**
- **Lettering AR 107**
- **Lettering and Layout AR 108**
- **English Composition E 101-102**
- **General Psychology (Area II) P 111**
- **Intermediate Drawing AR 211**
- **Intermediate Painting AR 215-217, 218-219**
- **Intermediate Drawing AR 211**
- **Intermediate Painting AR 215, 217, 218, 219**
- **Lab Science or Math (Area III)**
- **Electives**

### ART MAJOR

**Bachelor of Fine Arts Program**

1. **General Art — Bachelor of Fine Arts Degree**
   
   a. **General University & Core Requirements**
   
   b. **1) Art Major Requirements**
      
      - Painting
      - Watercolor
      - Drawing
      - Design
      - Art History
      - Ceramics
      - Sculpture
      - Printmaking
      - Crafts
      - Lettering
      - Senior Seminar

   c. **Electives**

   2. **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, Art Metals, Photography, Art History.

   c. **Electives**

   3. **Advertising Design — Bachelor of Arts Program**
   
   a. **General University & Basic Core Requirements**
   
   b. **Art Major Requirements**
      
      - Advertising Design
      - Watercolor and-or Painting
      - Drawing
      - Design
      - Lettering — Lettering & Layout
      - Art History
      - Printmaking
      - Creative Photography
      - Senior Seminar

   c. **Electives**

### ART MAJOR

**Bachelor of Fine Arts Program**

1. **General Art — Bachelor of Fine Arts Degree**
   
   a. **General University & Core Requirements**
   
   b. **1) Art Major Requirements**
      
      - Painting
      - Watercolor
      - Drawing
      - Design
      - Art History
      - Ceramics
      - Sculpture
      - Printmaking
      - Crafts
      - Lettering
      - Senior Seminar

   c. **Electives**
Printmaking ........................................ 2
Sculpture ........................................ 2
Ceramics .......................................... 2
Art Metals ........................................ 2
Senior Seminar .................................... 3
Art Electives ....................................... 14
  63

2) Major Emphasis
   A total of 20 credit hours in any Art Field constitute the major
   requirements and a total of 14 credit hours in a second Art area will
   constitute the minor emphasis.

   c. Electives .................................... 31
      128*

2. Art Education — Bachelor of Fine Arts. Refer to pg. 104 for complete
   information.

   a. General University & Core Requirements ............. 32

   b. 1) Art Major Requirements

      Painting ........................................ 8
      Art History .................................... 9
      Watercolor .................................... 4
      Design ........................................ 6
      Printmaking ................................... 2
      Sculpture ..................................... 2
      Ceramics ...................................... 2
      Crafts ......................................... 2
      Lettering ...................................... 2
      Senior Seminar ................................ 3
      48

   2) Major Emphasis
   A total of 14 credit hours from any Art Field will constitute the Major
   Emphasis.

   c. Education Requirements for Qualifications Toward State Certifi-
      cation
      Educating Exceptional Sec Student TE 333 ............. 1
      Foundations of Education ........................ 3
      Reading in Content Subject TE 307 ..................... 3
      Secondary School Methods .......................... 3
      Educational Psychology ............................. 3
      Art Methods in Secondary Schools ..................... 3
      Elementary School Art Methods ....................... 3
      Secondary School Teaching .......................... 9-14
      29-34

   d. Electives ..................................... 27-25
      128*

3. Art — Advertising Design — Bachelor of Fine Arts Degree Advertising
   Design Emphasis

   a. General University & Core Requirements ............. 32

   b. Art Major Requirements

      Advertising Design ................................ 10
      Painting ........................................ 8
      Drawing ......................................... 8
      Watercolor ...................................... 4
      Design ......................................... 6
      Sculpture, Ceramics, Art Metals ....................... 4
      Lettering — Lettering & Layout ....................... 4
      Art History ..................................... 12
      Creative Photography .............................. 2
      Printmaking ..................................... 2
      Advertising Illustration ............................ 6
      Senior Seminar .................................. 3
      27

   c. Professional Electives ............................. 27
      128*

* A total of 6 credits, 2 of each in Drawing, Painting, and Design may be applied to the 20
hour major requirement in the Area of Watercolor, Ceramics, Sculpture, Printmaking, Art
Metals, Photography, and Art History.

COLLEGE OF ARTS & SCIENCE

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

ART COURSES
   Introduction to Art AR 103 OR
   Survey of Western Art AR 101 or AR 102 ......... 3
   Basic Design AR 105-106 .......................... 6
   Drawing AR 111-112 ................................ 4
   History of Amer Architecture I,II, AR 270,271 .... 6
   Architectural Graphic Communication AR 255 .... 3
   Basic Architectural Design AR 256 ................. 3
   Materials & Methods of Architecture AR 290 ....... 3
   Art Elective ...................................... 2
   Interior Decorating AR 131 ......................... 2

ENGINEERING COURSES
   Surveying EN 215 ................................ 2
   Digital Computer Programming EN 104 .......... 2

ENGLISH COURSES
   English Composition E 101-102 ..................... 6

MATHEMATICS COURSES
   Algebra & Trigonometry M 111 ....................... 5
   Calculus & Analytical Geometry M 204 .......... 5

PHYSICS COURSES
   General Physics PH 101-102 ......................... 8

PHYSICAL EDUCATION REQUIREMENTS MAY BE NECESSARY

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

Lower Division
   AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2) (F/S). 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.
   PREREQ: AR 103 or AR 106-107.
   AR 101 SURVEY OF WESTERN ART (3-0-3) (F) (Area I). A historical survey of Painting, Sculp-
   ture, and Architecture from Prehistoric Art through the Middle Ages.
   AR 102 SURVEY OF WESTERN ART II (3-0-3) (S) (Area I). A historical survey of Painting, Sculp-
   ture, and Architecture from the Renaissance to the present.
   AR 103 INTRODUCTION TO ART (3-3-3) (F/S) (Area I). A one-semester course designed to
   acquaint the general college student with the aesthetics of Painting, Sculpture, Architecture, and
   related Art forms.
   AR 105 BASIC DESIGN (2-2-3) (Area I). A two dimensional theoretical and applied study of the
   basic design elements underlying all Art areas.
   AR 106 BASIC DESIGN (2-2-3) (Area I). A continued exploration of either two or three dimen-
   sional design elements. Emphasis on the theoretical and applied study of the structural organi-
   zation underlying two or three dimensional art forms. PREREQ: AR 105 or PERM INST.
   AR 107 LETTERING (0-4-2) (F/S). A study of lettering techniques and various alphabetical
   forms; emphasis upon modern styles, spacing and layout.
   AR 108 LETTERING AND LAYOUT (0-4-2) (F/S). A study of layout typography, and lettering
   techniques used in advertising design, for advertising design majors. Advisable to take AR 107
   prior to AR 108.
   AR 111 DRAWING (0-4-2) (F/S). A study of line, chiaroscuro, space, volume, and perspective,
   utilizing a variety of media; still life, landscape, plant, animals and other subject matter may be
   used. Limited enrollment spring semester.
   AR 112 DRAWING (0-4-2) (F/S). Continuation of AR 111 with an emphasis on more advanced
   drawing problems. Compositional imaginative, or semi-abstract work may be done, utilizing a
   variety of subject matter including some figure drawing. PREREQ: AR 111.
   AR 113 PAINTING (0-4-2). Study of basic techniques of painting in oil, acrylic or other media as
determined by instructor. Students will learn to represent form and space through study of value relationships and through use of monochromatic color. Still life and other subject matter will be used. Advisable to take AR 111 Drawing concurrently with AR 113. Limited enrollment fall semester.
   AR 114 PAINTING (0-4-2) (F/S). A continuation of AR 113 problems with increased emphasis
   on color, composition, and contemporary concepts in painting. A variety of subject matter will
   be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited
   enrollment fall semester.
   AR 115 LANDSCAPE PAINTING (0-6-3) (SU). Various styles and techniques in landscape
   painting in oil, watercolor and related media. Field trips. First summer session.

37
AR 270 HISTORY OF AMERICAN ARCHITECTURE I (3-0-3) (F). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism. Critical writings will be assigned.

AR 303 STUDY IN ADVERTISING DESIGN (0-6-3) (F/S). Advanced study of the design and preparation of advertisements for reproduction, techniques and studio practice. PREREQ: AR 204 or PERM/INST. May be repeated once for credit.

AR 305 STUDY IN VISUAL DESIGN (0-6-3) (F). Advanced exploration of two-dimensional of three-dimensional design, continuing with problems in line, form, color, texture, and space. Adviseable to take AR 371, 372, 373, 375, 376, 377.

AR 307 STUDY IN METALSMITHING (0-6-3) (F). Advanced study in jewelry making and metalsmithing with special emphasis on forging, stonemasonry, cutting, and mechanical techniques as further personal development of craftsmanship. May be repeated once for credit. PREREQ: AR 218, 219.

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

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

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

AR 317 PAINTING/WATERCOLOR (0-6-3) (F). Advanced work in opaque and transparent watercolor. May be repeated for credit.

AR 318 PAINTING/WATERCOLOR (0-6-3) (S). Advanced work in opaque and transparent watercolor. May be repeated for credit.

AR 319 PORTRAIT AND FIGURE PAINTING (0-6-3) (F). Painting from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit.

AR 321 ELEMENTARY SCHOOL ART METHODS (2-3-2) (F/S). A course designed to acquaint the student with basic principles of art teaching for the public school classroom. Emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 225 and 226 prior to AR 321. Individual work will be given. May be repeated once for credit.

AR 323 STUDIO IN SCULPTURE (0-6-3) (F). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. Advisable to take AR 231 and 322 prior to AR 331. May be repeated once for credit.

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

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

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

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

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

AR 361 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3) (F). Advanced study emphasizing techniques and methodology of illustrating finished ad art. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Advisable to take AR 263 and 204 prior to AR 361. May be repeated for credit.


AR 409 STUDY IN PRINTMAKING (0-6-3) (F/S). Individual problems in any of the following areas: woodcut, lithography, intaglio, and serigraphy. May be repeated for credit. PREREQ: AR 309.

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

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

AR 417 STUDY IN PAINTING/WATERCOLOR (0-6-3) (F). Advanced study in selected watercolor media. Advisable to take AR 317 and 318 prior to AR 417. May be repeated for credit.

AR 419 STUDY IN METALS (0-6-3) (F). Continued study in materials and methods (advanced) of jewelry making and metalsmithing as they apply to the creative artist or teacher. Advisable to take AR 325 and 326 prior to AR 419. Critical writings will be assigned. May be repeated for credit.
AR 431 STUDIO IN SCULPTURE (0-6-3)(FIS). Continued study in the material and methods of the sculptor with emphasis on welded steel and casting, carving, mixed media, and experimental. Advisable to take two semesters of AR 431 prior to AR 441. May be repeated for credit.

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

AR 498 SENIOR SEMINARS (3-0-3)(FIS). "Required reading and written and oral reports rela-

Chairman and Professor: Rychert; Professor: Baker, Frischman, Fuller, Papenfuss, Wicklow-Howard; Associate Professors: Centanni, Douglas, Kelley, Long, McCloskey, Wyllie, Yensen; Assistant Professor: Bechard.

REQUIREMENTS FOR BIOLOGY MAJOR

I. Bachelor of Science Option

1. General University and Baccalaureate Degree Requirements. See pages 31-32. 30

2. Major Requirements

A. Biology 45
   1. Biology Core 13
      General Botany BT 130 4
      General Zoology Z 130 4
      Cell Biology B 301 3
      Biology Seminar B 498, 499 1
   2. Physiology — one course
      Plant Physiology BT 401 4
      Human Physiology Z 401 4
      General & Comparative Physiology Z 409 4
   3. Morphology — one course
      Plant Anatomy BT 302 3
      Plant Morphology BT 311 4
      Comparative Vertebrate Anatomy Z 301 4
      Vertebrate Embryology Z 351 4
      Vertebrate Histology Z 400 4
   4. Natural History — one course
      General Parasitology B 412 3
      Systematic Botany BT 201 4
      Entomology Z 305 4
      Invertebrate Zoology Z 307 4
      Vertebrate Natural History Z 355 4
   5. Biology-Microbiology — one course
      Microbiology B 205 4
      General Bacteriology B 303 5
      Genetics B 343, 344 3-4
      Organic Evolution B 401 3
      Ecology B 423, 424 3-4
   6. Biology Electives to total 45 credits 15-19*

B. Chemistry 14
   1. College Chemistry C 131-134 9
   2. Organic Chemistry C 317, 319 5

C. Mathematics 10
   Actual courses will vary depending on the goals of the particular student, but typically the following courses could be used to satisfy this requirement:
   Algebra and Trigonometry M 111 5
   Calculus and Analytic Geometry M 204 5
   3. Recommended Electives
      1. Area I & II Electives
      2. Biochemistry C 431
      3. Introduction to Biophysics PH 207
      4. Earth Science Electives

II. Secondary Education Option — Major Endorsement

1. General University and Baccalaureate Degree Requirements — see pages 31-33 30

2. Major Requirements 54-69
   A. Biology 30-45+
      1. Biology Core 13
      2. Microbiology B 205 4
      3. Genetics B 343, 344 4
   4. Area I & II Electives
   5. Area III: Education Requirements to include Science

III. Secondary Education Option — Minor Endorsement

1. General University and Baccalaureate Degree Requirements — see pages 31-33 30

2. Major Requirements 30

3. Minor Endorsement in Biology
   General Biology B 101, 102 8-9
   or General Biology B 130 and General Zoology Z 130 8-9
   Systematic Botany BT 201 4
   Concepts of Anatomy & Physiology Z 107 4
   Genetics, Lab B 343, B344 4
   or Vertebrate Natural History Z 355 4
   4. Education Requirements — see pages 104, 105 25-30
   5. Electives 17-23

* A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.
+ A Biology Major without a minor requires 45 Biology credits. A Biology Major with a minor requires 60 Biology credits. In both instances a minimum of 6 credits must be in Botany and 6 credits in Zoology.
SOPHOMORE YEAR:

**Organic Chemistry C 317, 319** .......................... 5

**Microbiology B 205** ........................................ 4

**Cell Biology B 225** ......................................... 3

**Foundations of Education TE 201** ......................... 3

**General Psychology P 101** ................................ 3

Electives (Area I) .................................................. 3

Electives (Area II) .................................................. 3

Other Electives ..................................................... 3

JUNIOR YEAR:

**Educational Psychology P 325** ............................. 3

**Secondary School Methods TE 381** ........................ 3

**Secondary School Science Methods TE 384** .............. 3

Electives (Area I, II) ............................................. 6

**Genetics B 343, 344** ......................................... 4

**Biological Electives** .......................................... 4

15 15

SENIOR YEAR:

**Biology Seminar** ............................................. 1

**Biological Electives** .......................................... 4-8

**Education Courses** .......................................... 4 9-14

Other Electives ................................................... 3

12-16 15-20

PREFORESTRY AND WILDLIFE MANAGEMENT

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

FRESHMAN YEAR:

**English Composition E 101-102** ........................... 3 3

**General Botany BT 130** ..................................... 4

**Essentials of Chemistry C 107-110** ....................... 4 5

**Mathematics** ..................................................... 5 5

16 18

SOPHOMORE YEAR:

**General Physics PH 101, 102** ............................. 4 4

**General Forestry FS 101** .................................... 4

**Systematic Botany BT 201** ................................ 4

**Fundamentals of Speech CM 111** .......................... 3

**Basic Surveying EN 215** .................................... 2

**Digital Computer Programming EN 104**.................. 2

**Principles of Economics EC 201-202** ..................... 3 3

**Physical Education** ............................................ 4 11

15 14

B BIOLOGY

Lower Division

**B 100 CONCEPTS OF BIOLOGY (3-2-4) (F/S)** (Area III). Basic course for nonmajors. General biological principles and how they relate to man. Brief survey of plant and animal diversity. Emphasis areas include populations, pollution, ecology, genetics, and evolution. PREREQ: B 101, 102. GENERAL BIOLOGY (3-2-4) (F/S) (Area III). A one year sequence for non-biology majors. A study of plant and animal life with emphasis on structure, function, genetics, development, ecology, and evolution of these life forms. Emphasis of this course will be to interest the student in the sciences of life. PREREQ: B 101, 102.

**B 200 MAN AND THE ENVIRONMENT (3-2-3) (F/S)**. The impact of biological, economic, and social factors on man's environment is discussed. Participants become aware of important issues and factors involved in environmental decision-making.

**B 205 MICROBIOLOGY (3-2-4)(F/S)**. A survey of microbial diversity, structure, function, and metabolism; principles of microbial control; host-parasite relationships; immunology; and medically important microorganisms. PREREQ: C 107 and Z 211-112 (equivalent) or PERM/INST.

**B 300 CELL BIOLOGY (3-2-3)(F/S)**. Structure and function prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochrondia and chloroplasts, cell and organelle genetics, chromosomal aberrations, and medical applications of Cell Biology. One year of college Biology and prior or concurrent enrollment in Organic Chemistry are required.

**B 303 GENERAL BACTERIOLOGY (3-2-3)(F)**. A general survey of the field of bacteriology, techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. PREREQ: C 317, B 301, PERM/INST.

**B 310 PATHOGENIC BACTERIOLOGY (2-6-4) (S)**. Medically important bacteria, rickettsia, and chlamydia are surveyed with emphasis on their pathogenicity, host-parasite relationships, and the clinical and diagnostic aspects of the diseases they produce in humans and animals. PREREQ: B 303, PERM/INST.

**B 343 GENETICS-LECTURE (3-0-3) (F)**. A study of the principles of genetics as they relate to living organisms. PREREQ: B 301 or PERM/INST.

**B 344 GENETICS LABORATORY (0-3-1) (F)**. A practical course in the techniques of growing and analyzing genetic materials. Dominants and other organisms will be cultured and analyzed; reports will be submitted. PREREQ: prior or concurrent enrollment in B 343 required.

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

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


**B 416 APPLIED AND ENVIRONMENTAL MICROBIOLOGY LABORATORY (0-3-0) (S)**. Microbiological and biochemical methods of environmental assessment. Prior or concurrent enrollment in B 415. PREREQ: B 303, PERM/INST.

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

**B 423 ECOLOGY (3-0-3) (S)**. A study of the physical factors of the environment and their effect on the mode on life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. PREREQ: BT 130, Z 130, PERM/INST.

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

**B 486, 498 BIOLOGY SEMINAR (0-0-1) (F/S)**. A review of pertinent literature selected on topic restricted to Senior Biology majors.

BT BOTANY

Lower Division

**BT 115 MUSHROOMS OF IDAHO (2-0-2) (F)**. A survey of the fleshly fungi with emphasis on collecting and identifying species of Idaho mushrooms. Edible and poisonous species will be discussed. Weekend field trips arranged.

**BT 130 GENERAL BOTANY (3-3-4) (F/S)** (Area III). An introductory to a plant biology which includes the study of cells, genetics whole plant physiology and functions, ecology, classification, and economic importance.

**BT 201 SYSTEMATIC BOTANY (2-4-4) (S)**. The several systems of classification are discussed terms used in taxonomic literature must be mastered. Keys and manuals are used to identify collected specimens of local flora. Prerequisites: BT 130, PERM/INST.

Upper Division

**BT 302 PLANT ANATOMY (2-4-3) (S)**. A study of the structure and development of vascular plants. Tissues, organs. Emphasis will be placed on the Angiosperms. PREREQ: BT 130, B 301, PERM/INST.

**BT 311 PLANT MORPHOLOGY (3-4-4) (F)**. A comparative study of the structure, function, reproduction, and development of major plant groups. Phylology, paleobotany, and economic importance of various plant groups will be considered. PREREQ: BT 130, or PERM/INST.

**BT 330 MYCOLOGY (3-0-4) (F)**. A study of the fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. Prerequisites: BT 130, PERM/INST.

**BT 401 PLANT PHYSIOLOGY (3-3-4) (F)**. Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions, mineral requirements, metabolism, water uptake, photosynthesis; soil chemistry, and the alkaloids and glucosides synthesized by plants.

FS FORESTRY

Lower Division

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

Z ZOOLOGY

Lower Division

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

**Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-2-4)**. A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior or concurrent enrollment in C 107 is recommended.

**Z 130 GENERAL ZOOLOGY (3-0-3) (F/S)** (Area III). Introductory study of animals. Fundamentals of evolution, function, structure, development, life cycles, diversity, heredity, evolution, and ecology.

Upper Division

**Z 301 COMPARATIVE VERTEBRATE ANATOMY (2-4-4) (F)**. The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. PREREQ: Z 130, PERM/INST.
Z 305 ENTOMOLOGY (2-6-4) (F). Biology of insects with emphasis on identification and life cycles for students who have completed one year of college level biology. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring or summer before enrolling. PREREQ: Z 130 PERM/INST.
Z 307 ENTOMOLOGY (2-6-4) (S). Morphology, taxonomy, and natural history of the marine invertebrates and terrestrial arthropods exclusive of the insects. Offered in alternate years. PREREQ: Z 130, PERM/INST.
Z 341 ORNITHOLOGY (2-3-3) (F). Birds as examples of biological principles; classification, identification, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. PREREQ: Z 130, PERM/INST.
Z 351 VERTEBRATE EMBRYOLOGY (2-6-4) (S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of human organ systems. Laboratory studies of frog, chick, and pig development. PREREQ: Z 130 or PERM/INST.
Z 355 VERTEBRATE NATURAL HISTORY (2-6-4) (F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds and mammals. Two weekend field trips. PREREQ: Z 130, PERM/INST.
Z 361 MICROTECHNIQUE (1-6-3) (S). Theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. Offered alternate years. PREREQ: Z 130 PERM/INST.
Z 400 VERTEBRATE HISTOLOGY (3-3-4) (F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian systems. Z 301 or Z 351 are recommended prior to enrollment. PREREQ: Z 130 or PERM/INST.
Z 401 HUMAN PHYSIOLOGY (3-3-4) (S). Functional aspects of human tissues and organ systems with emphasis on respiratory and homeostatic mechanisms. PREREQ: B 361, C 317, PERM/INST.
Z 409 GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4) (S). Physiological principles common to all forms of animal life are discussed. Physiological adaptations required to live in a variety of environments are summered before enrolling. PREREQ: Z 130, C 317, PERM/INST.
Z 411 ICHTHYIOLOGY (3-3-4) (F). A survey of the fishes with emphasis on their taxonomic identification, morphology, physiology, ecology, and economic role. Offered alternate years. PREREQ: Z 355, PERM/INST.
Z 421 MAMMALOLOGY (2-3-3) (S). Mammals as examples of biological principles; classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered alternate years. PREREQ: Z 355, PERM/INST.

DEPARTMENT OF CHEMISTRY

Science-Education Bldg., Rm. 315  Phone 208-385-3963
Chairman and Professors: Dalton, Banks, Carter, Ellis, Hibbs, Matjeka, Mercer, Peterson, Stark.

The Department of Chemistry offers Baccalaureate Degree programs in Chemistry to prepare students to:

- teach Chemistry in secondary schools
- enter a career in the Chemistry laboratory
- attend a graduate school in Chemistry or Biochemistry
- attend a professional school in medicine

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

REQUIREMENTS FOR CHEMISTRY MAJOR

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

1. General University and Baccalaureate Degree Requirements. See page 31.

A. Chemistry .................................................. 47
   College Chemistry C 131, 132, 133, 134 .............................. 9
   Organic Chemistry C 317, 318, 319, 320 ......................... 10
   Physical Chemistry C 321, 322, 323, 324 ......................... 8
   Quantitative Analysis C 211, 212 .................................. 5
   Advanced Inorganic Chemistry C 401 ............................... 3
   Organic Qualitative Analysis ...................................... 1
   Instrumental Analysis C 411 ........................................ 3
   Chemistry Seminar C 498, 499 ....................................... 2
   Independent Study C 496 ........................................... 2

B. Mathematics .................................................. 10-16
   Completion of Mathematics through Calculus M 206
   College Physics PH 220, 221, 222, 223, 224

2. Recommended Electives: Foreign Language

III. Secondarv Education Option

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

1. General University and Baccalaureate Degree Requirements, See page 31.

2. Major Endorsement Requirements

A. Chemistry
   College Chemistry C 131, 132, 133, 134 ......................... 9
   Quantitative Analysis C 211, 212 .................................. 5
   Organic Chemistry C 317, 318, 319, 320 ......................... 10
   Physical Chemistry C 321, 322, 323, 324 ......................... 8
   Additional Upper Division Courses ............................... 3-4

B. Mathematics
   Completion of Mathematics through M 206

C. Physics
   Physics Sequences PH 220, 221, 222, 223 ......................... 11

3. Idaho Certification Requirements
   22

   Foundation of Education TE 201
   Education Exceptional Secondary Students TE 333
   Educational Psychology P 325
   Secondary School Science Methods TE 384
   Senior High School Student Teaching TE 483
   The Senior High School TE 487

   Reading in Content Subjects TE 307 ................................. 3

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

(SUGGESTED PROGRAM)

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COLLEGE OF ARTS & SCIENCE

B. Mathematics
   College Physics PH 220, 221, 222, 223, 224

C. Physics PH 220

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COLLEGE OF ARTS & SCIENCE
Communication in the Small Group CM 251
Interviewing CM 307
Small Group Process CM 431

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

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

\[ D. \] Reasoned Discourse CM 112
Communication Activities CM 114-314
Voice and Diction CM 121
Public Speaking CM 231
Oral Interpretation CM 241
Reporting and Newswriting CM 273
Applied Communication CM 312
Communication Practicum CM 451
Radio-TV Newswriting CM 471

\[ 4-14 \]

5-55

**MASS COMMUNICATION EMPHASIS**

1. General University Requirements
2. Departmental Core Requirements
3. Suggested Courses, as follows:
   - A. Mass Communication: Concepts and Perspectives CM 171
   - Contemporary Public Communication CM 332
   - Intercultural Communication CM 351
   - Organizational Communication CM 361
   - Ethics, Law and Communication CM 461
   - Persuasion CM 412
   - Public Relations CM 478
4. Reporting and Newswriting CM 273
5. Journalistic Communication Practicum CM 372
6. Communication Graphics CM 379
7. Radio-TV Newswriting CM 471
8. Feature Writing CM 473
9. Critical Writing CM 474
10. Public Relations CM 478
11. Communication Electives (Upper Division)
12. \[ 7-17 \]
13. \[ 45-55 \]

**SECONDARY EDUCATION EMPHASIS**

1. General University Requirements
2. Departmental Core Requirements
3. Education Requirements (see Section VI Secondary Education)
4. Required Emphasis Area Courses:
   - Reasoned Discourse CM 112
   - Internship in Directing Forensics CM 493
   - Interpersonal Communication CM 221
   - Methods of Teaching Communication CM 410
   - Communication Activities CM 114/314
   - Six credits chosen from the following courses:
     - Public Speaking CM 231
     - Oral Interpretation CM 241
     - Fundamentals of Speech Communication CM 111 OR
     - Speech Communication for Teachers CM 311
     - Communication Practicum CM 451
     - Communication in the Small Group CM 251
   - \[ 6 \]
   - Nine credits chosen from any of the following:
     - Public Speaking CM 231
     - Oral Interpretation CM 241
     - Voice and Diction CM 121
     - Listening CM 131
     - Interviewing CM 307
     - Fundamentals of Speech Communication CM 111
     - Speech Communication for Teachers CM 311
     - Communication Practicum CM 451
     - Nonverbal Communication CM 341
     - Communication in the Small Group CM 251
     - Small Group Process CM 341
     - Intercultural Communication CM 351
   - \[ 17 \]

5. \[ 45-55 \]

**Rhetorical Theories CM 321**
**Message Analysis and Criticism CM 331**
**Persuasion CM 412**
**Mass Communication Concepts & Perspectives CM 171**
**Reporting and Newswriting CM 273**
**Communication Graphics CM 379**
**Ethics, Law and Communication CM 461**

\[ 9 \]

\[ 46 \]

**6. Suggested Extra-Departmental Elective Courses, as follows:**
**Intro to Theatre TA 107**
**Major Production Participation TA 231, 331**
**Production of Audio Visual Materials TE 356**
**Techniques in Student Motivation and Classroom Management TE 371**

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

**JOURNALISTIC COMMUNICATION EMPHASIS**

1. General University Requirements
2. Departmental Core Requirements
3. Other Required Courses
4. Suggested Courses, chosen from the following:
   - Mass Communication: Concepts and Perspectives CM 171
   - Interviewing CM 307
   - Journalistic Communication Practicum CM 372
   - Radio-TV Newswriting CM 471
   - Feature Writing CM 473
   - Critical Writing CM 474
   - Public Relations CM 478
   - Special area emphasis may be selected from the following programs; this must include a minimum of 9 credit hours in one area:
     - History
     - Psychology
     - Economics
     - Social Science
     - English
     - Performing and Political Science
     - Spatial Arts
   - OR any other program listed on page 35 of BSU Catalog (under Baccalaureate Degree Programs).

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

**COMBINED MAJOR COMMUNICATION — ENGLISH**

A. With Journalism emphasis: Department requirements

**COMMUNICATION**

- Introduction to Communication Studies CM 115
- Perspectives on Inquiry CM 201
- Communication Laboratory CM 116, 216
- Interpersonal Communication CM 221
- Rhetorical Theories CM 321
- Introduction to Language Study LI 305
- Communication Electives (Upper Division)

**ENGLISH**

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

**Add Senior Seminar - Either CM 498 3 hours or E 498 - 2 hours**

\[ Total hours: 56 (27 and 27 and 2) \]

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

COMMUNICATION

Introduction to Communication Studies CM 115 .......................... 2
Perspectives on Inquiry CM 201 ........................................... 3
Interpersonal Communication CM 221 ................................. 3
Rhetorical Theories CM 321 .............................................. 3
Organizational Communication CM 361 ............................... 3
Perspectives on Communication CM 421 ............................... 3
Electives (Upper Division) .................................................. 10

ENGLISH

*Literature Survey ......................................................... 6
Humanities HU 207, 208 ..................................................... 3
**Advanced Writing and Linguistics ................................... 9
Electives (Upper Division) .................................................. 9

In Reference to electives:
1. If a student does not elect another Humanities course (either HU 207 or 208), then he or she should take 9 additional Upper Division courses in each Department.
2. If a student elects the extra 3 hours in Humanities (either HU 207 or 208), then he would take 6 Upper Division hours in Communication or English and 9 Upper Division hours in the other Department. (Add Senior Seminar - either CM 498 - 3 hours or E 498 - 2 hours) Total hours: 56 (27 and 27 and 2) or 57 (27 and 27 and 3).

COURSE OFFERINGS

CM COMMUNICATION

Lower Division
CM 111 FUNDAMENTALS OF SPEECH COMMUNICATION (3-0-3) (Area II). Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts.
CM 112 REASONED DISCOURSE (3-0-3) (Area II). 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.
CM 114 COMMUNICATION ACTIVITIES (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. PREREQ: Permission of the instructor. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.
CM 115 INTRODUCTION TO COMMUNICATION STUDIES (2-0-2). Dimensions of human communication, historical and contemporary concepts, communication degree programs, and career opportunities.
CM 118 COMMUNICATION LABORATORY (1-1-2). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies. PREREQ: CM 115 May not be taken concurrently with CM 216, 316 or 416.
CM 121 VOICE AND DICTION (3-0-3). Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. An investigation of the student's individual speech problems.
CM 122 INTRODUCTION TO MANUAL ENGLISH (3-0-3). An introduction to Manual English sign system with emphasis placed on initial skills and on finger spelling, sign vocabulary and total communication. History and rationale will be covered.
CM 131 LISTENING (3-0-3). Theory and practice of man's most used communication skill. Analysis of variables as they promote or impede the process of listening.
CM 171 MASS COMMUNICATION: CONCEPTS AND PERSPECTIVES (3-0-3) (F/S). A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication.
CM 201 PERSPECTIVES OF INQUIRY (3-0-3). The nature, sources and tests of knowledge; various theories, theory building, models, and the nature of inquiry. PREREQ: E 102, CM 115 or PERM/INST.
CM 216 COMMUNICATION LABORATORY (V-V-V to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 316, 416.
CM 221 INTERPERSONAL COMMUNICATION (3-0-3). An examination of the nature of human communication. Focuses through experiential learning, on awareness of self, communicative relationships and context.
CM 231 PUBLIC SPEAKING (3-0-3). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.
CM 241 ORAL INTERPRETATION (3-0-3). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for a selection, and project that meaning to listeners.
CM 251 COMMUNICATION IN THE SMALL GROUP (3-0-3). A study of human interaction in small groups. Emphasis on actual experience in working in small groups. Includes concepts in planning, preparing, and participating in group discussion and decision making.
CM 273 REPORTING AND NEWS WRITING (3-0-3). Fundamentals of reporting, news techniques of interviewing and fact-gathering through the construction of the news story. Emphasis on accuracy, conciseness and clarity in writing. Study of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copyediting symbols. PREREQ: E 102 and ability to use typewriter or perm. of instructor.
CM 277 PHOTO COMMUNICATION (2-3-3) (F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcasts. PREREQ: AR 251 or PERM/INST.

Upper Division
CM 302 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3). Describes Canadian communication industries, issues and inquiry, especially the question of cultural identity for Canada. Discusses governmental communication policy as a tool for preserving national, regional and tribal identity. Examines Canadian scholars of communication. Cross listed as CM 300 for credit in the Canadian Studies Minor.
CM 302 RESEARCH METHODS (3-0-3) (F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects.
CM 307 INTERVIEWS (3-0-3). Communication behavior in two-person situations. Practical experience in various types of interviews as confronted in business, education, and in the professions.
CM 311 SPEECH-COMMUNICATION FOR TEACHERS (3-0-3). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching; emphasis on various communication situations confronted by teachers and strategies for maximizing student-teacher relationships.
CM 312 Applied Communication (3-0-3). An application of basic principles of communication to real-life situations involving interpersonal and public community problems and issues. PREREQ: CM 111.
CM 314 COMMUNICATION ACTIVITIES (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. PREREQ: PERMISSION CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the college in communication.
CM 316 COMMUNICATION LABORATORY (V-V-V to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 216, 416.
CM 321 RHETORICAL THEORIES (3-0-3). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.
CM 322 INTERMEDIATE MANUAL ENGLISH (3-0-3) (S). A continuation in building skills, vocabulary, and expressive signing techniques. A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover educational and social situations. PREREQ: CM 122.
CM 321 MESSAGE ANALYSIS AND CRITICISM (3-0-3). An evaluation of methods of analyzing and criticizing messages and their application to making critical appraisals of public communication.
CM 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialogue which reflect, reinforce, and alter public opinion.
CM 341 NONVERBAL COMMUNICATION (3-0-3). An examination of the function of non-verbal behavior codes in communication.
CM 351 INTERCULTURAL COMMUNICATION (3-0-3). An examination of societal and cultural influences on interpersonal communication. A critical examination of communication within and among subcultures as well as across cultural boundaries.
CM 361 ORGANIZATIONAL COMMUNICATION (3-0-3). The application of communication theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.
CM 372 JOURNALISTIC COMMUNICATION PRACTICUM (Var 1 to 4). Designed for students who seek professional experience and professional careers. Offers students training with professionals in the community. PREREQ: PERMISSION. May be repeated for a total of four hours.
CM 401 METHODS OF TEACHING COMMUNICATION (3-0-3). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods, development of behavioral objectives, and management of curricular programs.
CM 412 PERSUASION (3-0-3). 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.
CM 416 COMMUNICATION LABORATORY (V-V-V to 4). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation. PREREQ: CM 216 or CM 316. May be repeated for a total of 2 credits.
CM 421 PERSPECTIVES ON COMMUNICATION (3-0-3) (F). A survey of contemporary theories and theorists of communication. PREREQ: CM 201.
CM 451 COMMUNICATION PRACTICUM (3-0-3). An advanced study of variables and theories affecting the communicative interaction of small groups.
CM 451 COMMUNICATION PRACTICUM (Var 1 to 4). Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to focus on the development of special interest. May be repeated for a total of 4 credits.
CM 461 ETHICS, LAW AND COMMUNICATION (3-0-0) (Area II). Study of the laws and ethics related to communication. PREREQ: Upper Division standing.
CM 471 RADIO-TV NEWSWRITING (2-0-2). Practical writing radio-tv news, including timing and arrangement of material, adding script to film, techniques for condensing stories and deciding the importance of story material. PREREQ: CM 273 or PERM/INST.
DEPARTMENT OF ENGLISH

Bachelor of Arts Degree

1. Completion of general university requirements for Bachelor of Arts.
2. Completion of Departmental Option
   a. Liberal Arts Option
      1) Completion of Departmental Core
         a) Specific Courses
            - Survey of British Literature E 240 and E 260
            - Shakespeare E 345, 346
            - Introduction to Language Studies LI 305
            - History of Literary Criticism E 393
            - Senior Seminar E 498
         b) Area Requirements
            - American Literature E 271, 272, 378, 384
            - Pre-1800 Brit Lit E 340, 341, 347, 348, 350, 351, 355, 357, 359
         2) Competence in a Foreign Language equivalent to two years of University Instruction.
   3) History of the English Language LI 309
   4) Upper Division English Electives
   3. Options in Secondary Education
      a. Completion of Departmental Core (see specific courses and area requirements under Liberal Arts Option above.)
      b. Option 7-9 (Junior High)
         - Writing E 201, 401 (instead of E 393)
         - Language LI 309 and 307 or 405
         - Methods 301 and 381 or TE 358
         - Speech
      - Literature for use in Junior and Senior High School E 481
      - Upper Division English Electives
      - Western World Literature E 230
      - Idaho Certification Requirements
         - Successful Completion of departmental competency exam
      c. Option 10-12 (Senior High)
         - Language LI 307 and 309 or 405
         - Methods E 301 and 381 or TE 358
         - Speech
      - Advanced Writing E 201, 305, 306, 401
      - Upper Division English Electives
      - Western World Literature E 230
      - Idaho Certification Requirements
         - Successful completion of departmental competency exam
      d. Option 7-12 (composite)
         - Language LI 309 and 307 or 405
         - Methods E 301 and 381 or TE 358
         - Speech

COLLEGE OF ARTS & SCIENCE

Literature for use in Junior and Senior High School, E 481
Advanced Writing E 201, 305, 306, 401
Upper Division English Electives
Western World Literature
Idaho Certification Requirements
   - Successful completion of departmental competency exam
   e. General Option without specific area of emphasis
      1) Completion of 53 credits in English or Linguistics excluding E 101 and E 102 or E 111-H and E 112-H.
         a) Of these credits, 38 must be upper division, including E 498, Senior Seminar.
         b) Of these credits, 15 must be in British Literature, excluding E 385, E 398, and E 487.
      2) No more than 9 credits may be in special topics courses in English or Linguistics.
   f. General Option, American Literature Emphasis
      Specific courses:
      - Survey of Amer. Lit, E 271, 272
      - Shakespeare, E 345 or E 346
      - Amer Renaissance, E 377
      - Amer Realism, E 378
      - Lit of Amer West E 384
      - Folklore, E 390
      - Senior Seminar, E 498
      g. Area requirements:
      - Modern Brit & Amer Lit E 385, 389, 487
      - Lower division Electives numbered E 340-369
      - Electives in British or American Literature, 15 credits
      - British History, HY 211, 213, 217, 219, 240 or 260
      - Upper division electives in Literature or Linguistics
      - U.S. History, HY 151, 151, 354, 355, 356, 358, or 359
      h. General Option, British Literature Emphasis
      1) Specific courses:
         - Survey of British Literature E 240, 260
         - Shakespeare, E 345 or 346
         - Senior Seminar, E 498
      2) Area Requirements:
         - Pre-1800 British Lit courses numbered E 340-369
         - Post-1800 British Lit courses numbered E 360-369
         - Electives in British or American Literature (15 UD)
      - British History, HY 311, 312, 338 or 432
   i. General Option, Linguistics Emphasis
      1) Specific courses:
         - Intro to Linguistics, LI 305
         - Applied English Linguistics, LI 307
         - History of English Language LI 309
         - Modern English Structure LI 405
         - Applied Linguistics in Teaching ESL
         - ESL Internship E 493
         - Senior Seminar E 498
      2) Area Requirements:
         - Old or Middle Eng Lit or Lit (i.e., E 340) or foreign Lit read in original language
         - Electives in literature lower or upper division
         - Upper division electives in Lit, (12 British Lit)
         - One year of a Foreign Language
         - A 2nd year of foreign language
         - or one year of a 2nd foreign language
         - Cultural Anthropology, AN 102 (Area II)
   j. General Option, World Literature Emphasis
      1) Specific courses:
         - Far Eastern Literature E 215
         - Western World Lit E 230, 235
         - Historical & 20th Cent Continental Lit E 336, 338
         - Medieval Epics & Romance, E 341
         - Shakespeare, E 345 or 346
         - Folklore, E 390
         - History of Literary Criticism E 393
         - Senior Seminar, E 498
      2) Area Requirements:
         - LD Lit — E 211, 213, 217, 240, 260, 271 or 272
         - English Lit courses from E 340-369
         - Upper Div electives in Lit or Linguistics
         - World Drama, TA 345, 347, 349, or 445
         - History, other than US or British

45
E 102 ENGLISH COMPOSITION (3-0-3) (CORE). Advanced practice in expository writing, which may include literary material as a means of teaching critical reading and writing and communication of complex ideas. Successful completion of competency test required. PREREQ: E 101 or PERM/CHMN.

E 111, 112 HONORS COMPOSITION (3-0-3) (CORE). Provides superior student challenge emphasizing individual study and original writing. Introduction to expository writing and study of ideas through literature. Honors 111 concentrates on lyric, poetry, essays, and short fiction. Normal prerequisite: ACT of 80th centile or above for E 111. Successful completion of competency test required. PREREQ: E 111 or PERM/CHMN for E 112.

E 120 ENGLISH AS A SECOND LANGUAGE (5-0-3) (F/S). Basic skills in American English pronunciation, sentence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 550 or below. Practice in speaking and listening to current American English, reading and vocabulary development; elementary principles of English Composition. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/CHMN. Credit not applicable toward requirements for graduation.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). 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. PREREQ: Admission to College and recommendation of Foreign Student Advisor and PERM/CHMN. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 123 ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3) (F/S). Study of and practice in the principles of formal and informal written English; principles of the essay and the continued development of American English, structure, composition and reading for foreign students. Continuation of E 120. PREREQ: E 120.

E 201 ADVANCED EXPOSITORY COMPOSITION (3-0-3) (F/S) An advanced writing course for students who wish to develop their critical thinking abilities. Examinations in all aspects of the American English language and culture. Emphasis on technology and the continuing development of American English, structure, composition and reading for foreign students. Continuation of E 122. PREREQ: E 122.

E 301 TEACHING ENGLISH COMPOSITION (3-0-3) (CORE). Reading and teaching of the English language with emphasis on grammar, composition, reading, and vocabulary development. Successful completion of competency test required. PREREQ: ACT score 20 or S in Developmental Writing.

E 101 DEVELOPMENTAL WRITING (1-2-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or TWSE score is below 20th centile. Also for basic review. Successful completion of competency test required. PREREQ: E 101 or PERM/CHMN.

E 120 ENGLISH AS A SECOND LANGUAGE (5-0-3) (F/S). Basic skills in American English pronunciation, sentence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 550 or below. Practice in speaking and listening to current American English, reading and vocabulary development; elementary principles of English Composition. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/CHMN. Credit not applicable toward requirements for graduation.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). 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. PREREQ: Admission to College and recommendation of Foreign Student Advisor and PERM/CHMN. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 301 TEACHING ENGLISH COMPOSITION (3-0-3) (CORE). Reading and teaching of the English language with emphasis on grammar, composition, reading, and vocabulary development. Successful completion of competency test required. PREREQ: ACT score 20 or S in Developmental Writing.
E 305 CREATIVE WRITING - ADVANCED POETRY (3-0-3)(S). PREREQ: E 20 or PERM/CHMN based on evaluation of student's work. May be repeated for nine credit hours.


E 337 TWENTIETH-CENTURY CONTEMPORARY LITERATURE (3-0-3)(S). Twentieth century European philosophical trends and cultural themes are emphasized in the reading. Includes works by Woolf, Joyce, D.H. Lawrence, Hemingway and Stein, as well as modern theoretical, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1984/1985.


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

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


E 364 MODERN BRITISH AND AMERICAN FICTION (3-0-3)(F/S). Designed to acquaint both nonmajors and majors with major themes, intellectual content, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Eliot, Stieglitz, gardens, Golding, Hemingway, Joyce, Lawrence, O'Connel, Fitzgerald, Welty, and others. PREREQ: Three credits in literature or PERM/CHMN.

E 385 MODERN BRITISH AND AMERICAN DRAMA (3-0-3)(F/S). An analysis of the major dramatic works from 1900 to 1985. PREREQ: Three credits of literature or PERM/CHMN.

E 390 FOLKLORE (3-0-3)(S). Study of the folklore, its written and oral traditions, its different genres. PREREQ: E 102.

E 392 HISTORY OF LITERARY CRITICISM (3-0-3)(F). A survey of the development of literary criticism from the 18th century to the present time. A literature survey or PERM/CHMN.

E 401 ADVANCED WRITING (3-0-3)(F/S). Writing for the student who wants advanced training in expressing ideas. The emphasis is on developing effective prose style, taking into account the principles of composition and their appropriate effectiveness for a specific audience. Will not fulfill Area I requirement for graduation. PREREQ: E 102 or PERM/CHMN.


LI 305 INTRODUCTION TO LANGUAGE STUDIES (3-0-3)(F). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, communication theory. A survey of theories and concepts. PREREQ: E 102 or PERM/CHMN.

LI 307 APPLIED LANGUAGE STUDIES (3-0-3)(S). 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. PREREQ: LI 305 or PERM/CHMN.

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(S). A study of the periods of the development of English. Indo-European and Germanic background; development of writing; internal and social forces of change; dialects of English. PREREQ: Three credits in English language study. PREREQ: LI 305 or PERM/CHMN.

LI 405 MODERN ENGLISH STRUCTURE (3-0-3)(F/S). An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure including transformational, structural, and newly developing theories of grammar. PREREQ: LI 305 or PERM/CHMN. Alternate years. Offered 1985/1986.

LI 407 APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand, to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. PREREQ: LI 305 or PERM/CHMN. Alternate years. Offered 1985/1986.

DEPARTMENT OF GEOLgy/ GEOPHYSICS

College of Arts & Science
4) Master of Science in Education, Earth Science emphasis. Nondegree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Sciences Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Societal and Urban Studies.

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

The program leading to the BS degree in Geophysics is designed for students who would like a career in Geophysics or who plan to attend graduate school. The curriculum offers a broad background of courses in Geology, Math, Chemistry and Physics to support the Geophysics courses.

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 Degree**

1. Geology Major: General University and BS Degree Requirements. See pages 29-31 for Graduation Requirements.

2. Major Requirements:
   a. Geology and Geophysics
      - Physical Geology GO 101 4
      - Historical Geology GO 103 4
      - Mineralogy GO 221 3
      - Field Geology GO 280 3
      - Igneous & Metamorphic Petrography GO 324 3
      - Geology Electives 10
   b. College Chemistry C 131, 132, 133, 134 9
   c. General Physics PH 101-102 or Physics I and II or III with labs PH 220-224 7-11
   d. Statistics M 124 or M 225 3
   e. Cartography GG 220 or Surveying EN 215 3-2
   f. Recommended Electives
      - Area I, Foreign Language (201 or higher)
      - Area II, Economics, Geography
      - Area III, Physical Chemistry, Mathematics, Biology

*M 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>College Chemistry (C 131, 132, 133, 134)</td>
<td>4</td>
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<tr>
<td>English Composition (E 101 and 102)</td>
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<tr>
<td>Physical Chemistry (PH 101)</td>
<td>4</td>
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<tr>
<td>Historical Geology (GO 103)</td>
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<tr>
<td>Algebra and Trigonometry (M 111)</td>
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<tr>
<td>Calculus and Analytic Geometry (M 204)</td>
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**SOPHOMORE YEAR:**

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<tr>
<td>Cartography (GG 220)</td>
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<tr>
<td>Mineralogy (GO 221)</td>
<td>3</td>
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<tr>
<td>Ig &amp; Met Petrology (GO 323)</td>
<td>3</td>
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<tr>
<td>Ig &amp; Met Petrography (GO 324)</td>
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<tr>
<td>Field Geology (GO 280)</td>
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<td>Physics (PH 101-102)</td>
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<td>Calculus &amp; Analytic Geometry (M 205)</td>
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<td>Area I &amp; II Electives</td>
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**JUNIOR YEAR:**

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<tr>
<td>Structural Geology (GO 314)</td>
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<td>Sedimentology (GO 311)</td>
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<tr>
<td>Stratigraphy (GO 312)</td>
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<tr>
<td>Geomorphology GO 313</td>
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<tr>
<td>Geomorphology GO 314</td>
<td>3</td>
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<tr>
<td>Invertebrate Paleontology GO 351</td>
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<tr>
<td>Advanced Field Geology GO 480 or Summer Field Camp 4-6</td>
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<tr>
<td>Senior Thesis GO 495</td>
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<td>Senior Seminar GO 498 or 499</td>
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<tr>
<td>Geology Electives</td>
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**SENIOR YEAR:**

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<td>Advanced Field Geology (GO 480)</td>
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<tr>
<td>Senior Seminar (GO 498 or 499)</td>
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<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
<td>3-6</td>
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<td>Area I and II Electives</td>
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<tr>
<td>Free Electives (at least 3 credits of upper division)</td>
<td>3</td>
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<tr>
<td>Invertebrate Paleontology GO 351</td>
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<tr>
<td>Earth Science Electives to total 30 credits</td>
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**EARTH SCIENCE EDUCATION MAJOR**

**Bachelor of Science Requirements**

1. General College and Baccalaureate Degree Requirements. See pages 29-31 for Graduation Requirements.

2. Major Requirements
   a. Geology
      - Physical Geology 4
      - Historical Geology 4
      - Introduction to Ocean Geology 3
      - Meteorology 3
      - Geology Seminar 1
      - Geomorphology Electives 3
      - Geology electives to total 30 credits
   b. College Chemistry 9
   c. General Physics or General Biology 8
   d. Mathematics through M 204 10
   e. Astronomy 4
   f. Recommended Electives 6-8

   Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy.

3. Education Requirements (See page 99) 25-30

   The following are required for Secondary Teaching Certification in Idaho:
   - Foundations of Education 3
   - Educational Psychology 3
   - Secondary School Methods 3
   - Secondary Student Teaching 3
   - Educating the Exceptional Student TE 333 3
   - Reading in Content Subject TE 307 3
   - Teaching Science in Secondary Schools GS 305 3

**EARTH SCIENCE EDUCATION MAJOR**

**Bachelor of Science Requirements**

1. General College and Baccalaureate Degree Requirements. See pages 29-31 for Graduation Requirements.

2. Major Requirements
   a. Geology
      - Physical Geology 4
      - Historical Geology 4
      - Introduction to Ocean Geology 3
      - Meteorology 3
      - Geology Seminar 1
      - Geomorphology 3
      - Geology electives to total 30 credits
   b. College Chemistry 9
   c. General Physics or General Biology 8
   d. Mathematics through M 204 10
   e. Astronomy 4
   f. Recommended Electives 6-8

   Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy.

3. Education Requirements (See page 99) 25-30

   The following are required for Secondary Teaching Certification in Idaho:
   - Foundations of Education 3
   - Educational Psychology 3
   - Secondary School Methods 3
   - Secondary Student Teaching 3
   - Educating the Exceptional Student TE 333 3
   - Reading in Content Subject TE 307 3
   - Teaching Science in Secondary Schools GS 305 3

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>Historical Geology</td>
<td>4</td>
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<tr>
<td>Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>College Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>16</td>
</tr>
</tbody>
</table>

**EARTH SCIENCE EDUCATION MAJOR**

**Bachelor of Science Requirements**

1. General College and Baccalaureate Degree Requirements. See pages 29-31 for Graduation Requirements.

2. Major Requirements
   a. Geology
      - Physical Geology 4
      - Historical Geology 4
      - Introduction to Ocean Geology 3
      - Meteorology 3
      - Geology Seminar 1
      - Geomorphology 3
      - Geology electives to total 30 credits
   b. College Chemistry 9
   c. General Physics or General Biology 8
   d. Mathematics through M 204 10
   e. Astronomy 4
   f. Recommended Electives 6-8

   Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy.

3. Education Requirements (See page 99) 25-30

   The following are required for Secondary Teaching Certification in Idaho:
   - Foundations of Education 3
   - Educational Psychology 3
   - Secondary School Methods 3
   - Secondary Student Teaching 3
   - Educating the Exceptional Student TE 333 3
   - Reading in Content Subject TE 307 3
   - Teaching Science in Secondary Schools GS 305 3
### GEOPHYSICS MAJOR (Bachelor of Science Requirements)

1. General University and BS Degree Requirements
2. Major Requirements:

#### a. Geophysics
- Introduction to Applied Geophysics GP 301: 3
- Physics of the Earth GP 325: 3
- Applied Geophysics I & II GP 451, 452: 10

#### b. Geology
- Physical Geology GO 101: 4
- Historical Geology GO 103: 4
- Mineralogy GO 221: 3
- Igneous & Metamorphic Petrology GO 323: 3
- Stratigraphy GO 312: 3
- Structural Geology GO 314: 3
- Advanced Field Geology GO 480 or Summer Field Camp: 4-6

#### c. Chemistry
- College Chemistry C 131, 132, 133, 134: 9

#### d. Physics
- Electricity and Magnetism PH 381: 3
- Numerical Analysis M 340 may be taken in place of PH 381: 19

#### e. Mathematics
- Calculus & Analytic Geometry M 204, 205, 206: 13
- Vector Analysis M 320 and Differential Equations M 331: 5
- Digital Computer Programming M 124 or EN 104: 2

#### f. Unrestricted Electives
- 16

**Recommended:**
- Physics PH 301, 382
- Chemistry C 321, 322
- Engineering EN 221, 223
- Geology GO 403, 412, 421, 431

### COURSE OFFERINGS

#### Upper Division

**GO GEOLOGY**

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

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

- **GO 103 HISTORICAL GEOLOGY** (3-3-4) (Area III) (Field trip required). A study of the origin and progressive development of the earth and the evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. PREREQ: GO 101.

- **GO 105 ROCKS AND MINERALS** (2-3-3) (FS). A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are part of the course for those taking the class for credit. PREREQ: High school chemistry or PERMINST.

- **GO 111 GEOLOGY OF IDAHO AND THE PACIFIC NORTHWEST** (3-3) (Field trip required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. PREREQ: GO 103 or PERMINST.

- **GO 201 INTRODUCTION TO OCEAN GEOLOGY** (3-3-3) (FS). A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. PREREQ: GO 103.

- **GO 213 INTRODUCTION TO METEOROLOGY** (3-3-3). A study of the weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. PREREQ: GO 101.

- **GO 221 MINERALOGY** (2-3-3,F). A study of the chemical and physical properties of minerals and their relationships to geologic environments. The laboratory work includes the study of crystal models as well as hand specimens of about 100 important minerals. PREREQ: GO 101.
  - COREQ: C 131

- **GO 222 OPTICAL MINERALS** (1-2-2) (F). The theory and application of the polarizing microscope to the examination of minerals in immersion media and primarily in thin sections. The study of crystal optics and the use of the polarizing microscope for the identification and quantitative examination of minerals. COREQ: GO 221.

- **GO 250 PRINCIPLES OF PALEONTOLOGY** (3-3-3) (FS). Overview of paleontology for nongeology majors. Evolution, taxonomy, and description of important fossil groups stressed. Laboratories to study small collections and simple museum methods. Term paper or project.

- **GO 280 FIELD GEOLOGY** (1-3-3) (Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, exposure, and photographing procedures. A detailed geologic map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, EN 102, COREQ: M 111.

- **GO 300 FIELD GEOLOGY** (1-3-3) (Field trip required). A study of the classification of sedimentary rocks and processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition, and diagenesis. Geologic environments of each process and each rock type are studied. Field methods and techniques are stressed, laboratory work consists of compositional and textural analysis. PREREQ: GO 251.
GO 312 STRATIGRAPHY (3-0-3)(F). (Field trips required). The study of sedimentary rocks with an emphasis on their fossil content and correlations. The classification and dating of sediments is covered. PREREQ: GO 311.

GO 313 GEOMORPHOLOGY (3-3-3)(F). (Field trips required). A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers and the processes by which they are formed and changed. Laboratory work consists of map studies and field observations. PREREQ: GO 103, E 102.

GO 314 STRUCTURAL GEOLOGY (3-0-6)(F). (Field trips required). A study of the description and classification of fundamental deformational features in rocks of the earth's crust and the theoretical and mechanical explanations of their origin. Laboratory work consists of 3-dimensional visualization, geometric analysis, and solution of structural problems, utilizing maps and cross-sections. PREREQ: GO 101, M 111, GO 221.

GO 323 IGNEOUS AND METAMORPHIC PETROLOGY (2-3-3)(F). A study of igneous and metamorphic rocks with emphasis on the physical and chemical constraints on their origin, and the systematic classification and properties of these rocks and their tectonic affiliations. PREREQ: GO 221, CORE 234.


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

GO 403 ENGINEERING GEOLOGY (3-3-3)(F). (Field trip required). Introduction to soil and rock mechanics. Slope stability, rock and soil mass movements, and landslides. PREREQ: GO 102, PH 102, GO 223, GO 325 or permission of instructor.

GO 412 GROUNDWATER GEOLOGY (3-0-3)(F). (Field trip required). A study of the origin of water found beneath the earth's surface and the geographic conditions which permit it. Emphasis is placed on structural, sedimentational, and stratigraphic conditions that must be present for the formation of ground water reservoirs. PREREQ: GO 312, 314.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F). (Alternate years). A study of the geometric properties of deformed rocks, their measurement and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonics, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of techniques of deformation of different geologic provinces throughout North America. PREREQ: GO 314.

GO 421 ORE DEPOSITS I (3-0-3)(F). (Field trips required). Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore deposits. Emphasis is placed on the processes of alteration, and secondary enrichment. PREREQ: GO 221, 311, 314.

GO 422 EXPLORATION AND MINING GEOLOGY (3-3-3)(S). The course emphasizes geologic engineering, and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically testing for ore deposits and preparing data pertinent to exploration and development discussions are also studied. Field trips required.

GO 431 PETROLEUM GEOLOGY (2-3-3)(S). (Field trips) (Odd years). A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation, and field observations of petroleum fields. PREREQ: GO 311, 313.


GO 471 REGIONAL FIELD STUDY AND REPORT WRITING (1-0-5)(S). Extensive field trip over spring semester break to study the geology of classic localities in the western United States. Course will require assembly of pertinent geologic maps and literature, recording of geologic observations, and preparation of a comprehensive report on the geology of areas visited. PREREQ: Upper division standing or PERM/INST.

GO 480 ADVANCED FIELD GEOLOGY (4-4-4). Field geologic relationships. Large scale mapping will emphasize solution of problems of significance in economic or engineering geology and may include petrographic laboratory work in addition to field work. Map and accompanying geologic report will be of professional quality. Field work on most weekends is required. PREREQ: GO 280, GO 314, GO 323.

GO 493 SENIOR THESIS (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give conclusive result. Project may be substituted for GO 480 upon approval by a committee of three department faculty members of a written proposal. PREREQ: Senior Standing.

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

GG GEOGRAPHY

Lower Division

GG 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(S/F). (Area II). A comprehensive survey of various environments of man in a study of regional and world systems. Basic concepts and techniques used in geography and the utilization of natural resources are introduced.

GG 102 CULTURAL GEOGRAPHY (3-3-3)(S/F). (Area II). A study of the distribution and character of man's cultural activities throughout the world with analysis on man-land relationships.
1. History-Liberal Arts Option
   a. General University Requirements to include:
      1) *One year of college level Foreign Language .................. 6-8
      2) American National Government .................................. 3
   b. History Requirements:
      1) Lower Division Courses
         History of Western Civilization
         HY 101, 102, or 201, 202 ........................................ 6
         U.S. History HY 151, 152, or 251, 252 ..................... 6
         Intro to the Study of History HY 210 .......................... 3
      2) ** Other History Courses
         History Seminar ................................................... 3
         Seminar or Colloquium .......................................... 3
         Upper Division History (minimum) ........................... 12
         Additional History Upper or Nonrequired Lower Division .... 9
   c. Electives ......................................................... 28-36

2. History-Secondary Education Option
   a. General University Requirements:
      American National Government .................................. 3
   b. History Requirements:
      1) Lower Division Courses
         History of Western Civilization
         HY 101, 102, or 201, 202 ........................................ 6
         U.S. History HY 151, 152, or 251, 252 ..................... 6
         Intro to the Study of History HY 210 .......................... 3
      2) ** Other History Courses
         U.S. History Electives (Upper Division) ....................... 3
         Upper Division History (minimum) ........................... 12
         Seminar or Colloquium .......................................... 3
         Additional History Electives (Upper or Nonrequired Lower Division) ... 9
   c. Education Requirements for State Certification for Secondary Education to include TE 385 .................................. 25-30
   d. Electives ......................................................... 18-13

* 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.

3. History-Social Science-Secondary Education Option
   The Social Science Secondary Education Option Degree Programs are cooperative, interdisciplinary programs involving the Departments of Economics, History, Political Science, and Sociology. Each department provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with inclusion of Anthropology, Geography, and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curricula in the degree program. The student is assigned to the department with the major curriculum.
   a. Lower Division Courses:
      1) U.S. History HY 151, 152 or 251, 252 .......................... 6
      2) Western Civilization HY 101, 102 or 201, 202 ............... 6
      3) Intro to the Study of History HY 210 .......................... 3
   b. Other History Courses (minimum of 15 Upper Division)
      3-Upper Division in 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)

4. Social Science Curriculum Minor
   Similar Social Science curriculum majors are available in the various Social Science disciplines in which the courses would constitute the 30-credit core of the major and History would serve as one of the associate 20-credit blocks. For such a major the Department of History requires at least 9 of the 21 History credits be Upper Division, that 6 hours of the 21 be in U.S. History to meet state certification requirements, and that the remaining courses be selected to complement their major.

5. History Minor Option
   Minor certification endorsements for teaching areas are listed in the Catalog on page of the Department of Teacher Education Section with in the School of Education Division.

   (Suggested Program)
   All History courses specifically required for the major are offered each semester allowing for some flexibility in student scheduling. How ever the Department strongly encourages History majors to take HY 210 by the second semester sophomore year before taking any Upper Division History courses.

   COURSE OFFERINGS

   HY HISTORY

   Lower Division

   HY 101 HISTORY OF WESTERN CIVILIZATION (3-0-3) (Area II). A political, economic, and cultural survey of western civilization from the earliest settled communities of the ancient Near East in the fourth millennium B.C. to the modern era.
   HY 102 HISTORY OF WESTERN CIVILIZATION (3-0-3) (Area II). A political, economic, and cultural survey of western civilization from the end of the religious wars of the seventeenth century up through the world-wide expansion of western culture in the twentieth century of the modern era.
   HY 104 HISTORY OF SCIENCE (3-0-3) (F/S) Alternate years. A survey on the development of the modern sciences and methods of investigation and experimentation, beginning with the first appearance of written records about the physical world, continuing through the scientific revolution of the seventeenth and eighteenth centuries, and into the modern world.
   HY 105 EASTERN CIVILIZATIONS (3-0-3) (Area II). An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia, with an emphasis on cultural and religious development.
   HY 151, 152 UNITED STATES HISTORY (3-0-3) Area II. First semester; the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: A study of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.
   HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3) (Area II). A study of selected historical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in World History or related subject matter or PERMISSION.
   HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3) (Area II). A study of selected historical problems the researcher encounters when interpreting the history of western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in World History or related subject matter or PERMISSION.
   HY 205 LEWIS AND CLARK (2-0-2) 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.
   HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3). 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.
   HY 251 PROBLEMS IN U.S. HISTORY (3-0-3) (Area II). Selected problems from colonial times through the Civil War. Not open to students with credit in HY 151. PREREQ: High school history course or PERMISSION.
   HY 252 PROBLEMS IN U.S. HISTORY (3-0-3) (Area II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERMISSION.
   HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3) (Area II). Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

   Upper Division

   HY 303 THE ENLIGHTENMENT AND THE FRENCH REVOLUTION (3-0-3) (Area II). A study of European thought in the seventeenth and eighteenth centuries, with emphasis upon monarchical absolutism, the crisis of the Old Regime, and the coming of the French Revolution. Recommended: HY 151. PREREQ: HY 102 Alternate years.
   HY 307 MODERN GERMANY (3-0-3) (Area II). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 103 recommended. Alternate years.
   HY 308 FRANCE SINCE THE REVOLUTION (3-0-3) (Area II). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles DeGaulle. HY 103 recommended. Alternate years.
   HY 309 THE RENAISSANCE (3-0-3) (Area II). A study of European society, economic development, artistic expression, humanism, and political concepts from the 12th through 16th centuries. PREREQ: HY 102 or PERMISSION. Alternate years.
   HY 310 THE REFORMATION (3-0-3) (Area II). Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the world wide impact of Protestantism. The problem will be traced through the Reformation and dissent minority sects. PREREQ: HY 102 or PERMISSION. Alternate years.
The Department of Mathematics provides two Bachelor’s Degree programs and a Master’s Degree program. The curriculum leading to the Bachelor’s Degree in Mathematics is designed for those students interested in

- Pure Mathematics,
- Statistics,
- Computer Science or Operations Research.

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 Degree Program is to provide advanced education for junior and senior high school mathematics teachers.

**MATHEMATICS DEGREE REQUIREMENTS**

1. Bachelor of Arts or Bachelor of Science in Mathematics
   a. University Requirements for BA or BS Degree, including Electives.
   b. Mathematics Requirements: Lower Division
      1) Calculus through M 206 or 212
      2) Digital Computer Programming M 124 or EN 104
      3) Applied Fortran Programming M 225 or Assembler Language M 226
   c. Upper Division Mathematics - 27 credits including:
      1) One or more of:
         a) Linear Algebra M 301
         b) Intro to Abstract Algebra M 302
         c) Number Theory M 306
      2) One or more of:
         a) Foundations of Analysis M 314
         b) Numerical Analysis M 340
         c) Complex Variables M 406
      3) One or more of:
         a) Fundamentals of Statistics M 361
         b) Probability & Statistics M 431-432 (both)
   d. The particular Mathematics courses used to satisfy the degree requirements may be chosen from specific courses in such areas of Mathematics as: Analysis, Algebra, Computer Science, Applied Mathematics, Statistics, and Operations Research. A degree program emphasizing one or more of these areas can be developed by the student with the assistance of his academic advisor.

The particular Mathematics courses used to satisfy the degree requirements may be chosen from specific courses in such areas of Mathematics as: Analysis, Algebra, Computer Science, Applied Mathematics, Statistics, and Operations Research. A degree program emphasizing one or more of these areas can be developed by the student with the assistance of his academic advisor.

Students interested in computer science can devise a program with either a business emphasis or a scientific emphasis. In designing such a program, students should consider available courses in physics, information science, business as well as M 122, M 124, M 126, M 226, M 354, M 358, and M 451. Courses in statistics (M 361 or M 431-432) and operations research (M 356, M 456, or M 464) are also recommended.

For students preparing for graduate work in a mathematical field, both M 401-402 and M 441-442 are recommended. Additional courses should be selected with the aid of the student’s advisor. A reading knowledge of at least one of French, Russian or German is highly desirable.

Students interested in Engineering can form a program leading to a Bachelor’s Degree in Mathematics. This program could include many of the Upper-Division Physics or Engineering courses offered at BSU and satisfy most of the Mathematics requirements with application-oriented Mathematics courses.

2. Secondary Education Degree:
   a. University Requirements for BS or BA Degree
   b. Mathematics Requirements:
      1) Computers: M 122 or 124 - 2 credits
      2) Calculus through M 206 or M 212 - 10-13
      3) Linear Algebra: M 301 - 4
      4) At least one of:
         a) Intro. to Abstract Algebra M 302 - 3
         b) Number Theory M 306 - 3
      5) Foundations of Geometry M 311 - 3
      6) Foundations of Analysis M 314 - 4
      7) Statistics M 361 or both M 431-432 - 4-6
      8) Mathematics in Secondary Schools M 490 - 3
      9) Mathematical Modeling M 464 - 3
   c. Education Requirements - 25-30 credits (see “Certification Requirements and Endorsements for Secondary Education”, page 98).

**MATHEMATICS MAJOR**

Bachelor of Science
(Primary Suggestions)

**FRESHMAN YEAR**

- Calculus M 204-205 or M 211-212
- English Composition E 101-102 or E 111-112
- Computers M 122, EN 104, or M 126
- Area I and Area II core requirements
- Electives (C 131 and PH 221 are suggested)

**SOPHOMORE YEAR**

- Calculus M 206
- Computers EN 225 or M 226
- Linear Algebra M 301
- Foundations of Analysis M 314
- Area I and Area II core requirements
- Intro to Abstract Algebra M 302
- Differential Equations M 331
- Statistics M 431-432
- Area I and Area II core requirement
- Senior Seminar M 498
- Area I and Area II core requirement

**JUNIOR YEAR**

- Intro. to Abstract Algebra M 302
- Differential Equations M 331
- Statistics M 431-432
- Area I and Area II core requirement

**SENIOR YEAR**

- Advanced Calculus M 401-402
- Senior Seminar M 498
- Area I and Area II core requirement

**MATHEMATICS MAJOR**

Bachelor of Science
(Primary Suggestions)

**FRESHMAN YEAR**

- English Composition E 101-102
- Calculus M 204-205
- BASIC or FORTRAN M 122 or EN 104
- Intro. to Computer Science M 126
- Area I and Area II core requirement

**SOPHOMORE YEAR**

- Calculus M 206
- Assembler Programming M 226
- Linear Algebra M 301
- Area I and Area II core requirement
- Suggested Electives
  - Speech CM 111
  - Logic PY 121
  - College Chemistry C 131-133

**COLLEGE OF ARTS & SCIENCE**

**FRESHMAN YEAR**

- Calculus M 206
- Assembler Programming M 226
- Linear Algebra M 301
- Area I and Area II core requirement
- Suggested Electives
  - Economics EC 201-202
  - Applied Programming EN 225
  - COBOL I IS 360
  - Physics PH 220-221
  - Differential Equations M 331

53
JUNIOR YEAR
Data Structures M 358
Programming Languages M 354
Discrete Structures M 356
Numerical Analysis M 340
Area I and Area II core requirement.
Suggested Electives
Accounting AC 205-206
COBOL II IS 370
Technical Writing E 202
Physics PH 222
Foundations of Analysis M 314

SENIOR YEAR
Systems Programming M 451
Statistics M 361 or (M 431-432)
Mathematical Modeling M 464
Linear Programming M 456
Area I and Area II core requirement.
Suggested Electives
Intership
Finance FI 303
Database Applications IS 405
Systems Analysis and Design IS 420
Software Design IS 430

SECONDARY EDUCATION DEGREE
(Suggested Program)

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 considerations.

FRESHMAN YEAR:
English Composition E 101-102 .................................................. 3 3
Calculus M 204, 205 or 211, 212 ........................................ 5 4-5
Programming M 122 or 124 ......................................................... 2
Electives ...................................................................................... 6 9-6

SOPHOMORE YEAR:
Calculus M 206 ................................................................. 0-4
General Psychology P 101 .......................................................... 3
Foundations of Education TE 201 ............................................. 3
Linear Algebra M 301 ................................................................. 4
Electives ...................................................................................... 9-13 9
Teaching Reading in Content Subjects TE 307 ......................... 16 16

JUNIOR YEAR:
Foundations of Analysis M 314 ................................................. 3
Algebra M 302 or Number Theory M 306 ................................. 3 3
Statistics M 361 or 431, 432 ..................................................... 3-0 4-3
Educational Psychology P 325 .................................................. 3
Electives ...................................................................................... 7-8 5-8
Secondary School Methods TE 381 ........................................... 3
Teaching Reading in Content Subjects TE 307 ......................... 3

SENIOR YEAR:
Foundations of Geometry M 311 .............................................. 3
Mathematics in Secondary School M 490 ................................. 3
Secondary Student Teaching ..................................................... 9
Electives ...................................................................................... 11
Mathematical Modeling M 464 .................................................. 3
Educating Exceptional Sec.Stu. TE 333 ......................................... 1

Students interested in a minor endorsement in mathematics are advised to consult a mathematics advisor (see page 99).

M COURSE OFFERINGS

M MATHEMATICS

Lower Division

M 102 ARITHMETIC REVIEW (2-0-0)(F/S). A review course for those who have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area, and volume. 
M 205 ALGEBRA REVIEW (3-0-0). A refresher course for students in education, engineering, science, or business. Algebra is covered from fundamental operations through the level required for M 103, 105, 106, 108 or 122. PREREQ: Satisfactory score on arithmetic placement exam.
M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-0) (Area III). Designed for liberal arts students. Emphasis is on the nature of mathematical knowledge, its meaning, methodology, and use. Generally topics will be selected from the elementary materials in set theory, logic, number theory, algebra, geometry, probability, statistics, graph theory PREREQ: A year of high school mathematics and satisfactory score on placement exam.
M 103-104 ELEMENTARY MATHEMATICS FOR TEACHERS (3-2-4). Fundamental concepts of mathematics including the study of the development of the number systems from the whole numbers through the reals, place value, arithmetic operations, real number postulates, algorithms, algebraic and geometric principles, measurement, graphing and introductory probability PREREQ: High school algebra and geometry and satisfactory score on algebra placement exam.
M 105 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4) (Area III). Matrices, systems of linear equations, graphing, linear programming, discrete probability. PREREQ: Satisfactory score on algebra placement exam.
M 106 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4) (Area III). Limits, derivatives, curve sketching, partial derivatives, optimization problems, and integrals. PREREQ: M 105, 108 or 111.
M 108 INTERMEDIATE ALGEBRA (4-0-4). Intermediate algebra with plane trigonometry PREREQ: Satisfactory score on placement exam.
M 109 INTRODUCTION TO COMPUTERS (3-1-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-science majors. PREREQ: Satisfactory score on algebra placement exam.
M 124 Digital Computer Programming (2-0-2). Beginning FORTRAN. See EN 104. Credit cannot be obtained for both M 124 and EN 104.
M 206 CALCULUS AND ANALYTIC GEOMETRY (4-0-4) (Area III). Three dimensional analytic geometry and introduction to vectors algebra and calculus of vector valued functions. Partial differentiation and multiple integration. PREREQ: M 205.
M 211 ACCELERATED CALCULUS (5-0-5) (Area III). Analytic geometry, functions, limits. Differentiation and integration with applications, transcendental functions, methods of integration. M 211-212 is an accelerated version of the three semester sequence M 204-205-206. The student must have a strong high school background or have completed either M 106 or 111 with a grade of A.
M 212 ACCELERATED CALCULUS (5-0-5) (Area III). Solid analytic geometry, vectors and vector functions, partial integration, series, introduction to differential equations. PREREQ: M 211.
M 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2). Intermediate FORTRAN. See EN 225. Credit cannot be obtained for both EN 225 and M 225.
M 226 ASSEMBLER LANGUAGE (4-0-4). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, homemade output, program sectioning and linking, macros. PREREQ: M 126 or PERM/INST.

Upper Division

M 301 LINEAR ALGEBRA (4-0-4). Matrix algebra, determinants, vector spaces and linear transformations. PREREQ: M 206 or 212.
M 302 INTRODUCTION TO ABSTRACT ALGEBRA (3-0-3). Sets, groups, integral domains, rings, fields. PREREQ: M 206 or 212.
M 306 NUMBER THEORY (3-0-3). Primes, congruences, Diophantine equations, residues, quadratic reciprocity, continued fractions. PREREQ: M 205 or 212.
M 311 FOUNDATIONS OF GEOMETRY (3-0-3). Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. PREREQ: M 205 or 212.
M 312 COMBINATORIAL GEOMETRY (3-0-3). Study of curves and surfaces in Euclidean spaces, maps, networks, topological equivalence of figures, topological spaces, and metric spaces. M 205 or 212. Odd numbered years.
M 314 FOUNDATIONS OF ANALYSIS (3-0-3). Logic, axioms, sequences, foundations of calculus, structure of the real numbers. PREREQ: M 205 or 212.
M 320 VECTOR CALCULUS (2-0-2). Vector valued functions of one or several variables, line and surface integrals; Green's Theorem, Stokes's Theorem, the Divergence Theorem. PREREQ: M 206 or 212.
M 321 DIFFERENTIAL EQUATIONS (3-0-3). Theory of ordinary differential equations with applications to physical sciences and engineering. PREREQ: M 206 or 212.
M 340 NUMERICAL ANALYSIS (4-0-4). The application of numerical methods to interpretation and analysis of data, general iterative methods, approximation of functions, error analysis, solution of equations with implementation of computer programming. PREREQ: M 206 and M 122 or EN 104.
M 354 PROGRAMMING LANGUAGES (4-0-4). A survey of current languages (such as FORTRAN, COBOL, P/J/SNOBOL, LIST APL/68S), their programming and design. Syntax and semantics, error handling, use of available computer statistics packages to handle computations. PREREQ: M 108 or M 111.

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M 356 DISCRETE MATHEMATICAL STRUCTURES (3-0-3). The study of fundamental logical and combinatorial concepts from mathematics useful in abstracting ideas in other disciplines. Special emphasis will be placed on applications to computer science. Topics are combinators with emphasis on enumeration, logical deduction, sets, relations, graphs and directed graphs, trees, and networks. PREREQ: M 206 or M 212 or PERM/INST.

M 358 DATA STRUCTURES (4-0-4). The representation of data, lists, stacks, queues, storage mapping, tree structures, hierarchic data structures, recursion, searching, sorting, coding, data structures in programming languages. PREREQ: M 226 or PERM/INST.

M 361 FUNDAMENTALS OF STATISTICS (4-0-4). Discrete probability random variables, distributions, central limit theorem, descriptive statistics, regression and correlation, tests of hypotheses, design of experiments and sampling surveys. PREREQ: One of M 106, 205, 212.

M 401-402 ADVANCED CALCULUS (3-0-3). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformation, infinite series. PREREQ: M 314.

M 406G THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3-0-3). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. PREREQ: M 206 or 212.

M 411 INTRODUCTION TO TOPOLOGY (3-0-3). Sets, metric spaces, topological spaces, continuous mappings, connectedness, compactness. PREREQ: M 314.

M 421 FOURIER SERIES AND BOUNDARY VALUE PROBLEMS (3-0-3). The wave equation, the heat equation, and Laplace's equation. Orthogonal sets of functions and Fourier series solutions. Boundary value problems. PREREQ: M 331.

M 431G-432G PROBABILITY AND STATISTICS (3-0-3) (F/S). Basic concepts of probability theory, sample space, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. PREREQ: M 206 or 212.

M 441-442 ABSTRACT ALGEBRA (3-0-3). Group theory, homomorphism theorems. Sylow theorems, ring theory, ideal theory, field theory, field extensions. Galois groups. PREREQ: M 301, 302.

M 451 SYSTEMS PROGRAMMING (4-0-4). Machine language programming, compiled languages, program optimization, computer logic and design. PREREQ: M 290.

M 456G LINEAR PROGRAMMING (4-0-4). Simplex algorithm, duality theory, postoptimality analysis, and transportation problems. PREREQ: M 301.

M 464 MATHEMATICAL MODELING (3-0-3). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will be drawn from the physical, biological, and social sciences. PREREQ: M 361 and M 122 or PERM/INST.

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

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Cadre: Chairman, Major Earl Steck, Cpt. Pete Koehler APMS, Cpt. Robert Hillan APMS, Sergeant Major James Flowers; SSG Charles Ziegler, Sr. Instructor; SSG Joh DeCorte; SSG Cindy Flanders

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

The objective of the Senior Division, Army ROTC, is to provide university students who have ability and desire an opportunity to become commissioned officers in the United States Army Reserve. In addition, the Senior Division provides a major source of procurement for junior officers in the Regular Army. The procurement is accomplished through the selection of distinguished military graduates.

SCOPE OF INSTRUCTION

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

Basic Course. The basic course consists of the first two years of Military Science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, by obtaining 90 military contract hours by summer camp and junior 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, Guaranteed Reserve Forces assignments are now available for those who do not volunteer for the active duty assignments. The GFR assignment allows an officer to remain in Idaho and continue their civilian career plans as well as serve in the reserves with an Army Commission. (11) Complete the requirements listed for Precommissioning Military Qualification Standards (MQS) as listed below.

MILITARY QUALIFICATION STANDARDS

PRECOMMISSIONING REQUIREMENTS:

The United States Army Training and Doctrine Command (TRADOC) has established several standardization requirements for all precommissioning ROTC programs across the United States. These standardizations include the requirements for a cadet to complete the Military Science courses listed below, as well as one course in each of the following areas.

1. Written Communication. The English Composition requirements of BSU also satisfy this MQS requirement.
2. Human Behavior. Recommended courses to meet this requirement include General Psychology, Sociology or Anthropology (all of these courses can also be used to meet the BSU Area II Social Science requirements).
3. Military History. (HY 297 Section 001, Special Topics "War, Peace and Military in the West", 3 credits taught Spring Semester only).
4. Courses in Management and National Security Studies are strongly recommended but are not required.
5. The following physical Education classes are recommended. For students going to an ROTC Summer Camp, these classes will be required:
   PE 121 - First Aid
   FA 197/297/397 - Special Topic - Conditioning Procedures
   FA 297, Section 3 - Special Topics - Orienteering

ROTC SCHOLARSHIP

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

Morrison Center, Rm C 100 Phone 208-385-1771
Chairman and Professor: Wilber D. Elliott; Associate Chairman and Associate Professor: Donald Oakes; Professors: Baldwin, Hsu, Meyer, Shelton; Associate Professors: Bratt, Hopper, Speake; Assistant Professors: Baldassarre, G. Samball, Schroeder, Thomason.

GIFTS AND MEMORIALS

MUSIC DEPARTMENT:

The Music Department has been the recipient of many gifts of instruments, music, scholarship donations; and record collections from friends and supporters of the Department. The music auditorium is housed the J.W. Cunningham Memorial Pipe Organ, a three manual Austin Organ of 45 ranks and 54 registers, given to the University by Laura Moore Cunningham. It is used for concerts, teaching and practice purposes. The console for the Harry W. Morrison Memorial Carillon built by Mass-Rowe, is also in the auditorium. Given as a memorial to her hus-

band by Mrs. Velma Morrison, the Grand Symphony Carillon System chimes the hours and half-hours and twice daily plays a short program of carillon music.

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

Dr. & Mrs. Robert deNeuville Dr. & Mrs. Arthur C. Jones
Bryant S. Martineau Mr. & Mrs. Edward Utley

GIFTS AND MEMORIALS

MUSIC DEPARTMENT:

Drs. and Mrs. Len Jordan Marjorie Palmquist
Drs. and Mrs. Eli Weston

Scholarship endowments have been given in the names of Margaret Drake, Elizabeth Bowen, Martha S. Reese, Lucille Lippincott, and the Boise Choristers.

MUSIC MAJOR PROGRAMS

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

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

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

BACHELOR OF MUSIC PROGRAM

1. General Requirements
   a. All full-time students will be required to attend Concert Class during each semester of residency at Boise State University (see course description for MA 010 for complete details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445 or 446 recitals are exempt from faculty jury during the semester in which the recital is given.
   b. All Bachelor of Music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, one of the levels in the Piano Proficiency Examination before a faculty committee. The particular level is determined by the student's major. A grade of C or better in MU 213 will meet Levels I and II requirements for Music Education majors. A grade of C or better in MU 314 will meet Level III requirements for Performance and Theory Composition majors. Details are available from the Music Department.
   c. 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 eight credits over a normal four-year course of study; except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may take two credits of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.
   d. The following core of Music courses will be included in all Bachelor of Music curricula:
      - Concert Class MA 010 (attendance required each semester of full-time residency; Music Education majors exempt during semester-weeks of student teaching) .......... 0 Cr
      - Materials of Music MU 119 thru 222 ........................................ 18
      - Ear Training MU 121 thru 222 .................................................. 1
      - Conducting MU 261 .................................................................. 1
      - Survey of Music History and Literature I,II,III,IV MU,UMJ 341,342,343,344 .................................................. 10
      - Ensemble (see 1c above) ......................................................... 6-8
      - Total 35-37 Cr
2. Emphasis Requirements
   a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) 29-32
   b. Music Requirements:
      (1) Music Core ............................................. 35-37
      (2) Performance Studies .................................... 30
   d. Additional Upper Division Courses .................................. 16-22
      Keyboard Harmony & Basic Improv MU 313-314 4
      Counterpoint MU 423, 424 ...................................... 6
      Advanced Form & Analysis MU 410, 411, 412 3
      Choral & Instrumental Conducting MU 365, 366 1
      Major Instrument Literature MU 457 2
      Major Instrument Pedagogy I, II MU 463-464 4
      Senior Recital MA 446 ........................................ 2
   e. Electives .................................................. 7-18
      a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) 29-32
      b. Music Requirements:
         (1) Music Core ............................................. 35-37
         (2) Lower Division Performance Studies .................. 16
         Performance Major Studies ................................ 7
         Performance Minor Studies (Piano, unless major
         instrument is Keyboard) .................................... 8
         (3) Additional Upper Division Courses ..................... 31
         MC 300 Level Performance Major Studies .................. 4
         Keyboard Harmony & Basic Improv MU 313-314 4
         Band Arranging MU 455 ...................................... 6
         Advanced Form & Analysis MU 410, 411, 412 3
         Choral & Instrumental Conducting MU 365, 366 2
         Music Composition MA 410, 411 8
         Senior Composition Recital MA 447 or
         Music Seminar MU 498 ...................................... 2
   f. Electives .................................................. 12-17
      a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I) 29-32
      b. Music Requirements:
         (1) Music Core ............................................. 35-37
         (2) Major Instrument Performance Studies ............ 14
         MC 300 Level or above: 4 cr or minimum
         (3) Additional Lower Division Courses ..................... 7
         Orientation to Music Educ MU 271 1
         Instrumental Tech & Meth MU 257, 266 4
         Vocal Tech & Meth MU 256 .................................. 2
         (4) Additional Upper Division Courses ..................... 13
         Band Arranging MU 455 ...................................... 2
         Band & Orchestra Meth & Mater MU 387 2
         Choral Methods & Mater MU 385 2
         Choral & Instr Conducting MU 365, 366 4
         Music Instructional Meth & Mater MU 368, 369 2
         One-half Senior Recital MA 444 1
         (5) Education College Requirements ......................... 25
         General Psychol P 101 (Area II) 3
         Education Psychology P 325 .................................. 3
         Foundations of Education TE 201 (Area II) 3
         Second Year Methods TE 381 3
         Educating Exceptional Second Stu TE 333 1
         Reading in Content Subjects TE 307 3
      3) Electives .................................................. 9-14

The above requirements lead to state certification eligibility to teach music in the public schools. Certification is available to teach K-12, 7-12, or K-8 in music. Specific details are available from the Music Department.

II. BACHELOR OF ARTS PROGRAM REQUIREMENTS
   1. General Music Major Option
      a. General University and Basic Core Requirements for the Bachelor of Arts Degree.
      b. Minimum Music Requirements:
         Performance Studies ........................................ 8
         Materials of Music I-V MU 119, 120, 219, 220 ............ 14
         Ear Training I-V MU 121, 122, 221, 222 ................. 4
         Survey of Music History and Literature Courses (2 to be chosen from MU 341, 342, 343, 344) .................. 4-6
         Ensemble .................................................... 4
         Concert Class MA 010 each semester ................... 0
         Performance, Theory, Music Education, History
         Electives (to support Senior Recital* or Senior Project**) 10
         Senior Recital* or Senior Project** ........................ 1
      c. Business courses (a maximum of 33 credits in
         Business courses allowed in this option) ............... 24-33
      2. Business courses (a maximum of 33 credits in
         Business courses allowed in this option) ............... 24-33
      3) Electives .................................................. 10
   a. General University and Basic Core Requirements for the Bachelor of Arts Degree to include the following:
      1) Area II: CM 111 Fundamentals of Speech Communication 3
      2) Area II: At least one course in Mathematics selected from the following:
         M 100 Cultural Approach to Math, or 4
         M 105,106 Math for Business Decisions................. 4-8
   b. Music/Business Option
      a. General University and Basic Core Requirements for the Bachelor of Arts Degree.
      b. Music/Business Option
         a. General University and Basic Core Requirements for Bachelor of Arts Degree.
         b. Music Education Emphasis Minimum Requirements
            1) General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits
               of Music History in Area I) 29-32
            2) Music Requirements:
               (1) Music Core ............................................. 35-37
               (2) Major Instrument Performance Studies ............ 14
               (3) Additional Lower Division Courses ..................... 7
               Orientation to Music Educ MU 271 1
               Instrumental Tech & Meth MU 257, 266 4
               Vocal Tech & Meth MU 256 .................................. 2
               (4) Additional Upper Division Courses ..................... 13
               Band Arranging MU 455 ...................................... 2
               Band & Orchestra Meth & Mater MU 387 2
               Choral Methods & Mater MU 385 2
               Choral & Instr Conducting MU 365, 366 4
               Music Instructional Meth & Mater MU 368, 369 2
               One-half Senior Recital MA 444 1
               (5) Education College Requirements ......................... 25
               General Psychol P 101 (Area II) 3
               Education Psychology P 325 .................................. 3
               Foundations of Education TE 201 (Area II) 3
               Secondary School Methods TE 381 3
               Educating Exceptional Second Stu TE 333 1
               Sec Stu Teaching,TE 482 or 483, TE 484, 485 8-12
               Reading in Content Subjects TE 307 3
               c. Electives .................................................. 9-14
      3) Electives .................................................. 9-14
         a. Music Education Emphasis Minimum Requirements
            1) General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits
               of Music History in Area I) 29-32
            2) Music Requirements:
               (1) Music Core ............................................. 35-37
               (2) Performance Studies .................................... 30
               (3) Additional Upper Division Courses ..................... 16-22
               Keyboard Harmony & Basic Improv MU 313-314 4
               Counterpoint MU 423, 424 ...................................... 6
               Advanced Form & Analysis MU 410, 411, 412 3
               Choral & Instrumental Conducting MU 365, 366 1
               Major Instrument Literature MU 457 2
               Major Instrument Pedagogy I, II MU 463-464 4
               Senior Recital MA 446 ........................................ 2
               e. Electives .................................................. 7-18
      4) Business courses (a maximum of 33 credits in
         Business courses allowed in this option) ............... 24-33
      5) Required Courses:
         GB 101 Introduction to Business 3
         MM 101 Salesmanship* 3
         MM 105 Elements of Management* 3
         MM 203 Principles of Advertising 3
         AC 205 Introduction to Financial Accounting 3
         AC 206 Introduction to Managerial Accounting 3
         GB 202 Business Law 3
         IS 210 Introduction to Information Services 3
      6) Additional courses-electives (up to 9 credits may be chosen
         from the following):
         EC 201 Principles of Economics-Macro 3
         EC 202 Principles of Economics-Micro 3
         AS 309 Records preparation and Management* 3
         AS 317 Office Management* 3
         MK 307 Consumer Behavior* 3

   To enroll in these courses special arrangements are necessary with the chairman of the Department of Marketing and Administrative Services.

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

IV. GRADUATE WORK

Master of Arts in Secondary Education, Music Emphasis. Details may be found in the Graduate College Section of this Catalog.

Suggested Programs

I. Performance Emphasis Majors:

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<th>2nd SEM</th>
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<tr>
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<td>Materials of Music I, II MU 119-120</td>
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<td>Materials of Music I, IV MU 219-220</td>
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<td>Ear Training III, IV MU 221-222</td>
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<td>Major Ensemble ME 1-</td>
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<td>Basic Conducting MU 261</td>
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<td>Music History III, IV MU 343, 344</td>
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<td>Advanced Form and Analysis</td>
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<td>Inst. or Choral Conducting MU 365 or 366</td>
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<td>Performance Major MC 4-4</td>
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<td>Senior Recital MA 446</td>
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<td>Keybd. Harm. * MU 313-314 &amp; Elect. **</td>
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JUNIOR YEAR:

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<tr>
<td>Secondary School Methods TE 381</td>
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Private Lesson Performance Studies Course Numbering System

The three-digit course number carries the following information: first digit (1—2,—etc.) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments); third digit (0—1—2—4) = credit value. Four-credit studies are reserved for bachelor of music program performance emphasis majors. Suffix letters identify the particular instrument in each instrumental family: woodwinds: A flute, B oboe, C clarinet, D bassoon, E saxophone, F recorder; Brasses: A horn, B trumpet, C trombone, D tuba; Keyboard: A piano, B organ; Fretted stringed instruments; A guitar; Bowed string instruments: A violin, B viola, C cello, D string bass. The class schedule printed prior to each semester lists particular studio courses available for the semester.

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

Minor area practice requirements:
For 2 hrs. credit - 6 hrs. practice per week.

ME MUSIC, ENSEMBLE

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

ME 101, 301 UNIVERSITY SINGERS (0-2-1)(FS). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester. Maximum credits: ME 101 and/or 301, 8 cr. PREREQ: Enrollment is by audition and Music Department approval.

ME 110, 310 VOCAL ENSEMBLE (0-1-2)(FS). Designed to promote participation in and repertoire knowledge of small vocal ensembles. Literature includes music of all periods. Public performances given each semester. Maximum credits: ME 110 and/or 310, 8 cr. PREREQ: PERM/INST.

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. Maximum credit: ME 115/315, 8 cr. PREREQ: PERM/INST.

ME 120-320 BAND (0-5-1)(FS). An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 320, 8 cr. PREREQ: MUSIC/INST.

ME 125, 325 BRASS ENSEMBLE (0-2-1)(FS). A course designed to promote playing in and repertoire knowledge of brass ensembles. A public performance is required each semester. Maximum credits: ME 125, and/or ME 325, 8 cr. PREREQ: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-2-1)(FS). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of Dixieland, Be-bop, Swing, Rock and contemporary jazz. Course rehearsals include study of rhythm problems, notation, improvisation, ear training and chord construction in Jazz. Public performance each semester. Maximum credits, ME 126 and/or 326 8 cr. PREREQ: PERM/INST.

ME 130, 330 WOODWIND ENSEMBLE (0-2-1)(FS). A course designed to promote playing in and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester. Maximum credits: ME 130 and/or 330, 8 cr. PREREQ: PERM/INST.

ME 140-340 PERCUSSION ENSEMBLE (0-2-1)(FS). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Maximum credits: ME 140 and/or ME 340, 8 cr. PREREQ: PERM/INST.

ME 141, 341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1)(FS). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of pianos, major 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. Maximum credits: ME 141 and/or 341, 8 crs.

ME 150, 350 ORCHESTRA (0-5-1)(FS). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150 and/or ME 350, 8 cr.

ME 150, 350 ORCHESTRA (0-5-1)(FS). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150 and/or ME 350, 8 cr.

ME 160, 360 STRING PERCUSSION (0-2-1)(FS). A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. Maximum credits: ME 160 and/or 360, 8 cr. PREREQ: PERM/INST.

ME 161, 361 GUITAR ENSEMBLE (0-2-1)(FS). A course designed to promote playing in and repertoire knowledge of ensembles or including guitar(s). Maximum credits: ME 161 and/or ME 361, 8 cr. PREREQ: PERM/INST.

ME 180, 380 ACCOMPANYING (0-2-1)(FS). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum credits: ME 180 and/or 380, 6 cr.
MU MUSIC, GENERAL

Lower Division

MU 101 MUSIC FUNDAMENTALS (2-0-2). Primarily for Education Department students, open to non-music majors. An introduction to music notation symbols. Study of all scales, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced.

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

MU 119 MATERIALS OF MUSIC (4-0-4,F). Music fundamentals review; notation, intervals, scales and modes, triads, key signatures, etc. Melody, cadences. Emphasis on understanding written material, focus on recognition, analysis and compositional skills involving the above. PREREQ: piano proficiency and/or simple melodies and harmonies, or concurrent enrollment in piano study, or PERMInst.

MU 120 MATERIALS OF MUSIC II (4-0-4,S). 4-voice textures (linear & vertical); homophony; diatonic chords and harmonic relationships: cadences; inversions; dominant sevenths; secondary dominants; figured bass; pedals; arpeggios; pedal point; modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning Fall semester, even numbered years. PREREQ: MU 119, or equivalent and piano as per MU 119.

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

MU 133 INTRODUCTION TO MUSIC (3-0-3,F, S). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. Emphasis is upon the enjoyment of music through the understanding of recorded and live performances. Attendances at six live concerts/recitals required.

MU 147 SURVEY OF OPERA AND MUSIC THEATRE (2-0-2,F). An historical survey of the development of opera and music theatre through chronological study of scores, recordings, articles and films. The focus of the course is upon the development of the Baroque period to contemporary Modern Opera and Music Theatre compositions. Required of voice, piano, and applied instrumental students.

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

MU 219 MATERIALS OF MUSIC III (3-0-3,F, S). Continuation of 4-part textures: Diatonic sevenths; introduction to altered chords, augmented sixth and neapolitan chords; cantus firmus techniques; modulations; compositional skills involving the above. PREREQ: MU 120 or equivalent and one year of piano study.

MU 221-222 EAR TRAINING III-IV (0-2-1,F-S). Continuation of ear training I-II: solfeggio, dictation of more advanced rhythms, 2, 3 and 4 parts. Students expected to play at keyboard simpler forms of basic chords in 4-part harmony. PREREQ: MU 121-122; MU 120: at least one year of elocutionary study. PREREQ: Concurrent enrollment in MU 119, 120, and 121.

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2,F). Designed for the music education major; this course deals with teaching vocalists to teach and applying vocal techniques. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. PREREQ: MU 120 or equivalent and piano as per MU 119.

MU 257 STRING INSTRUMENT TECHNIQUES AND METHODS (1-2-2,F). The study of the fundamentals of string instrument techniques. A course designed to deal with the problems and techniques of choral conducting. Students will work with ensembles as laboratories for conducting experience.

MU 261 INSTRUMENTAL CONDUCTING (0-2-1,F, S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. PREREQ: MU 257.

MU 265 PERCUSSION TECHNIQUES AND METHODS (1-2-2,F). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.

MU 270 GUITAR FOR CLASSROOM TEACHERS (2-0-2,F). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary chord melody, theory, song playing, proper hand positioning and note reading. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.


MU 278 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2,F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. PREREQ: MU 271.

MU 285 CHORAL METHODS AND MATERIALS (1-2-2,F). Designed for music education majors who will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups.

MU 287 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2,F). The study of the organization and administration of bands and orchestras at the secondary school level, including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410 ADVANCED FORM AND ANALYSIS (3-0-3,F,S). Analysis of harmonic and formal structures of larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 220 or PERMInst.

MU 423 SIXTEENTH CENTURY COUNTERPOINT (3-0-3,F). Study of 16th century compositional techniques. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

MU 424 COUNTERPOINT SINCE 1600 (3-0-3,F). Study and writing in contrapuntal styles from Baroque Period to present day. Invertible counterpoint, canon, fugue, invention, analysis of procedures in representative works. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Even numbered years.

MU 444 BAND ARRANGING (2-0-2,F). Required of majors in music education and in theory and composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. PREREQ: MU 299A.

MU 457 MAJOR INSTRUMENT LITERATURE (Piano, Voice, Guitar) (2-0-2,F). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature, Section 2 guitar literature, Section 3 vocal literature. PREREQ: Upper Division standing in performance.


MU 464 MAJOR INSTRUMENT PEDAGOGY (Piano, Voice, Guitar) II (2-0-2,F). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and observation in teaching and research. PREREQ: MU 463.

MU 498 MUSIC SEMINAR (2-0-2,F). A seminar project under faculty direction. PREREQ: Senior standing.
DEPARTMENT OF PHYSICS, ENGINEERING & CONSTRUCTION MANAGEMENT

Science-Nursing Bldg, Rm 318 Ph 208-385-3775
Chairman and Professor of Physics: Robert A. Luke; Professors: Allen, Smith, Dahm, Luke, Newby, Parks; Associate Professors: Affleck, Haefer, Reimann, Gabert; Assistant Professors: Dykstra, Mason.

PRE-ENGINEERING CURRICULUM

The following curriculum is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS Degree in Engineering is four years and the following program is designed to do this along with two years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take four and one-half, five or more years to earn the degree. Therefore, a convenient option based on three years at BSU and two at the University of Idaho is available and students may consult an Engineering advisor about this program.

The five-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other Engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than the University of Idaho to complete their degree.

<table>
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<tr>
<th>COMMON FRESHMAN YEAR:</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>(All Engineering Majors)</td>
<td></td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>College Chemistry C 131-132-133</td>
<td>4</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204-205</td>
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<td>4</td>
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<tr>
<td>Engineering Fundamentals EN 107-108</td>
<td>3</td>
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<tr>
<td>Physics PH 220</td>
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<td>Physical Education</td>
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<tr>
<td>Physics II, III PH 221-222</td>
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<tr>
<td>Wave Motion &amp; Heat Lab PH 223</td>
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<td>Electricity &amp; Magnetism Lab PH 224</td>
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<td>*Humanistic-Social Elective</td>
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<tr>
<td>Introduction to Mechanics EN 205</td>
<td>3</td>
<td>4</td>
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<tr>
<td>**Systems &amp; Circuits I, II EN 221, 223</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 206</td>
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<tr>
<td>Differential Equations M 331</td>
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<td>Branch Variation see below</td>
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<th>BRANCH VARIATION</th>
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<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
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<tr>
<td>Civil Engineering</td>
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<td>Dynamics of Rigid Bodies EN 206</td>
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<tr>
<td>Engineering Measurements EN 216</td>
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<td>Elective (see Advisor)</td>
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<td>Mechanical Engineering</td>
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<tr>
<td>Dynamics of Rigid Bodies EN 206</td>
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<td>Chemical Engineering</td>
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<tr>
<td>Organic Chemistry C 318</td>
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<tr>
<td>Principles of Economics EC 201</td>
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*During first semester, Chemical Engineers substitute C 317, Civil Engineers substitute EN 215.
**Civil Engineers not required to take EN 223.

JUNIOR YEAR

Three junior level Engineering Science courses (EN 301, Fluid Mechanics; EN 306, Mechanics of Materials; and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in Mathematics, Science, Humanities, and Social Sciences, make it feasible for many students to complete a third year before transferring. Consult an Engineering staff advisor for details.

CONSTRUCTION MANAGEMENT CURRICULUM

Bachelor of Science

The objective of the Construction Management program is to provide education in mathematics, science, communication, engineering, business and construction so that the construction manager can intelligently relate to and coordinate the efforts of owners, architects, engineers, craftsmen and other professionals to provide society with construction services of skill, responsibility and integrity.

<table>
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<tr>
<th>FRESHMAN</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Algebra and Trig M 111</td>
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<tr>
<td>Engineering Graphics EN 108</td>
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<tr>
<td>Elective (Area II Social Sci)</td>
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<tr>
<td>Elective (Area I, Arts &amp; Humanities)</td>
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<tr>
<td>Calculus and Analytic Geometry M 204</td>
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<td>Engineering Fund and Comp Prog EN 107</td>
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<tr>
<td>Intro to Management of Construction CO 240</td>
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<th>SOPHOMORE</th>
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<tr>
<td>General Physics PH 101-102</td>
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<tr>
<td>Basic Surveying EN 215</td>
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<tr>
<td>Intro to Financial Accountin AC 205</td>
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<td>Construction Blue Print Commun CO 235</td>
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<td>Materials &amp; Methods of Architecture AR 290</td>
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<tr>
<td>Business Law I GB 202</td>
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<td>Stat Tech for Decision Making DS 207</td>
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<tr>
<td>Intro to Managerial Accounting AC 206</td>
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<td>Contracts and Specifications CO 246</td>
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<tr>
<td>Intro to Mechanics EN 205</td>
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<th>JUNIOR</th>
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<tbody>
<tr>
<td>Construction Equipment &amp; Methods CO 320</td>
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<tr>
<td>Mechanics of Materials EN 306</td>
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<tr>
<td>Labor Law MG 330</td>
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<tr>
<td>Mechanical Installations CO 351</td>
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<td>Principles of Economics-Macro EC 201</td>
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<td>Principles of Economics-Micro EC 202</td>
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<td>Technical Writing E 202</td>
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<td>Cost Accounting AC 351</td>
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<td>Cost Estimating and Bidding CO 370</td>
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<td>Soil Mechanics and Foundation Const CO 330</td>
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<td>Principles of Finance FI 303</td>
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<tr>
<td>Electrical Installations CO 352</td>
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<tr>
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<tr>
<td>Construct Operations &amp; Improve CO 374</td>
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<tr>
<td>Concrete &amp; Formwork Construction CO 410</td>
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<tr>
<td>Fundamentals of Speech Commun CM 111</td>
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<tr>
<td>Labor Relations MG 340</td>
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<td>Electives (Area I, Arts &amp; Humanities)</td>
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<tr>
<td>Project Scheduling &amp; Control CO 417</td>
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<tr>
<td>Human Resource Management MG 401</td>
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<td>Electives</td>
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<tr>
<td>31</td>
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</table>

1. All Construction Management majors must complete at least 57 credits and have a cumulative grade point average of 2.40 or better before being admitted to any upper division (number 300 and above) business or construction management classes.
2. All construction management classes will be taking several field trips during the semester to be scheduled Monday afternoons.
3. No more than 33 credits may be taken from the College of Business.
PHYSICS — Bachelor of Science

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

PHYSICS MAJOR

I. Liberal Arts Option
1. General University and BA Degree Requirements
   (see Pages 29-31) ........................................ 30
2. Major Requirements .......................... 98
   A. Physics .................................. 48
      Physics I, II, III, PH 220, 221, 222 9
      Physics Lab I, II, PH 223, 224 2
      Intermediate Applied Programming PH 225 2
      Transducers, PH 304 2
      Lab Microprocessor Applications PH 307 3
      Modern Physics PH 311, 312 6
      Optics PH 331 4
      Mechanics PH 341 4
      Electricity & Magnetism, PH 381, 382 6
      Advanced Topics PH 422 3
      Senior Lab PH 481 3
      Seminar PH 499 1
   B. Engineering .................................. 12 or 13
      Computer Programming EN 104 or 107 2 or 3
      Systems & Circuits I, II EN 221, 223 7
      Thermodynamics EN 320 3
   C. Math .................................. 21
      Calculus Sequence M 204, 205, 206 13
      Differential Equations M 331 4
      Numerical Analysis M 340 4
   D. Chemistry .................................. 9
   E. Recommended Electives ................. 7

II. SECONDARY OPTION
1. General University Requirements ......... 30
2. Major Requirements .......................... 78
   A. Physics .................................. 31
      Physics I-III PH 220, 221, 222 9
      Physics Lab I, II PH 223, 224 2
      Intro to Descriptive Astronomy PH 105 4
      Modern Physics PH 311-312 6
      Optics PH 331 4
      Lab Micro Processor App. PH 307 3
      Senior Lab PH 481 3
   B. Engineering .................................. 2
      Computer Programming Course, such as EN 104, 122 2
   C. Math .................................. 17
      Calculus Sequence M 204, 205, 206 13
      Differential Equations M 331 3
   D. Chemistry C 131, 132, 133, 134 9
   E. General Biology B 101-102 8
   F. Recommended Electives ................. 8
   G. Possible Earth Science Elective ......... 4
3. Education Requirements (see pg 98) .... 25-30
   A. Physics .................................. 31
      Physics I-III PH 220, 221, 222 9
      Physics Lab I, II PH 223, 224 2
      Intro to Descriptive Astronomy PH 105 4
      Modern Physics PH 311-312 6
      Optics PH 331 4
      Lab Micro Processor App. PH 307 3
      Senior Lab PH 481 3
   B. Engineering .................................. 2
      Computer Programming Course, such as EN 104, 122 2
   C. Math .................................. 17
      Calculus Sequence M 204, 205, 206 13
      Differential Equations M 331 3
   D. Chemistry C 131, 132, 133, 134 9
   E. General Biology B 101-102 8
   F. Recommended Electives ................. 8
   G. Possible Earth Science Elective ......... 4
3. Education Requirements (see pg 98) .... 25-30
   A. Physics .................................. 31
      Physics I-III PH 220, 221, 222 9
      Physics Lab I, II PH 223, 224 2
      Intro to Descriptive Astronomy PH 105 4
      Modern Physics PH 311-312 6
      Optics PH 331 4
      Lab Micro Processor App. PH 307 3
      Senior Lab PH 481 3
   B. Engineering .................................. 2
      Computer Programming Course, such as EN 104, 122 2
   C. Math .................................. 17
      Calculus Sequence M 204, 205, 206 13
      Differential Equations M 331 3
   D. Chemistry C 131, 132, 133, 134 9
   E. General Biology B 101-102 8
   F. Recommended Electives ................. 8
   G. Possible Earth Science Elective ......... 4
3. Education Requirements (see pg 98) .... 25-30

PHYSICS — Bachelor of Science Degree (Suggested Program)

FRESHMAN YEAR:

<table>
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<tr>
<th>Course</th>
<th>SEM 1</th>
<th>SEM 2</th>
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<tbody>
<tr>
<td>English Composition E 101,102</td>
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<tr>
<td>College Chemistry C 131,132,133,134</td>
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<td>5</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204,205,206</td>
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<tr>
<td>Digital Computer Programming EN 104 or 107</td>
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<tr>
<td>Physics PH 220</td>
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SOPHOMORE YEAR:

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<tr>
<td>Physics II, III PH 221, 222</td>
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<td>Wave Motion &amp; Heat Lab PH 223</td>
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<td>Electricity &amp; Magnetism Lab PH 224</td>
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<td>Systems &amp; Circuits I, II EN 221, 223</td>
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<td>Calculus &amp; Analytic Geometry M 206</td>
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<td>Differential Equations Math M 331</td>
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<td>Applied Programming PH 225</td>
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JUNIOR YEAR:

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<tr>
<td>Modern Physics PH 311, 312</td>
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<td>Electronics Lab PH 301</td>
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<td>Transducers PH 304</td>
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<td>Lab Microprocessor Applications PH 307</td>
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<td>Thermodynamics EN 320</td>
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<td>Optics PH 331</td>
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<td>Numerical Analysis M 340</td>
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SENIOR YEAR:

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<tr>
<td>Electricity &amp; Magnetism PH 381, 382</td>
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<tr>
<td>Mechanics PH 341</td>
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<tr>
<td>Senior Lab PH 481</td>
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<td>Advanced Topics PH 422</td>
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<tr>
<td>Physics Seminar PH 499</td>
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CO CONSTRUCTION MANAGEMENT

CO 235 CONSTRUCTION BLUE PRINT COMMUNICATIONS (3-0-3). The transmission and interpretation of blue print communications covering different types of drawings, including their organization and format. Emphasizing three-dimensional visualization to make practical applications and determine quantities of work. Learn how to interpret quickly and visualize what is being presented by the drawings. Monday field trips required. PREREQ: EN 108.

CO 240 INTRODUCTION TO THE MANAGEMENT OF CONSTRUCTION (3-0-3). Introduction to construction terminology, industry and management. Includes the planning, staffing, directing and controlling functions with emphasis on organizations and the schools of management. A survey of the basic trades, methods, quantity take-off calculations, estimating, and scheduling. Monday field trips required. PREREQ: M 111 and EN 108.

CO 245 CONTRACTS AND SPECIFICATIONS (3-0-3). Contracts, contract documents and specifications for construction including legal as well as technical aspects, claims, change orders and contract administration emphasizing Owner-Engineer/Architect-Contractor functions and related problems. Monday field trips required. PREREQ: GB 202.

CO 250 CONSTRUCTION EQUIPMENT & METHODS (3-0-3). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Monday field trips required. PREREQ: EN 205.

CO 300 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3). Fundamentals of soil mechanics as it relates to foundation and earthwork construction problems: interaction of water and soil, compaction, bearing capacity, lateral pressures, drainage and waterproofing, spread footings, retaining walls, pile foundations, and special foundation construction problems. PREREQ: M 204 or PERM/INST.

CO 351 MECHANICAL INSTALLATIONS (3-0-3). The fundamentals of mechanical installations and associated construction problems including heat loss and gain, heating, ventilating and airconditioning, fluid flow in pipes and ditches as well as water supply, sewage, and fire protection installations. Monday field trips required. PREREQ: PH 224 and EN 205.

CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3). The fundamentals of electrical and acoustical installations and associated construction problems including electrical circuits, conduits, conductors, switch gear; other service equipment and electrical transmission. Also included will be lighting and acoustical installations and associated construction problems. Monday field trips required. PREREQ: PH 102 and EN 205.


CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (3-0-3). Contractor organization, project supervision and motivation. Labor, materials, equipment, safety, time and motion studies, time lapse photography, methods improvements, crew balance, and flow and process charts. Monday field trips required. PREREQ: DS 207 and CO 370.


CO 417 PROJECT SCHEDULING AND CONTROL (3-0-3). Critical path method (CPM) as a construction planning, scheduling and management technique. Monday field trips required. PREREQ: EN 107 and CO 374.
EN 100 ENERGY FOR SOCIETY (3-2-4)(Area III). A general interest course having no pre-requisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions will promote a better understanding of our present technological society with its energy, environment, including input-output, flow charting, handling arrays and subprograms, all applied to problem solving. Should have Mathematics background equal to or exceeding one of prerequisites. PREREQ: M 106 or 111 or equivalent.

EN 102 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(FS). An introduction to engineering including subdivisions and organization of the professions, methods of analysis, computations, and vectors all of which include the use of computer programming. PREREQ: M 111 or equivalent.


EN 205 INTRODUCTION TO MECHANICS (3-0-3). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including concepts of force, mass, acceleration, work, and energy, impulse and momentum. PREREQ: M 204 or PERM/INST and PH 220.

EN 206 DYNAMICS OF RIGID BODIES (2-0-2)(S). Analysis of forces and the resulting motion as percents to rigid bodies undergoing rotary and general plane motion. PREREQ: EN 205.

EN 215 BASIC SURVEYING (1-3-2). A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. PREREQ: M 111 or equivalent.


EN 221 SYSTEMS AND CIRCUITS (3-0-3)(F). The fundamental course in electrical engineering which introduces the student to the electrical circuits and basic network analysis. Topics covered are simple resistive, capacitive and inductive circuits, network theorems and circuit analysis methods. PREREQ: M 204.

EN 223 SYSTEMS AND CIRCUITS II (3-3-4)(S). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady state analysis and frequency-domain analysis. Transform methods of circuit analysis are introduced. PREREQ: EN 221.

Upper Division

EN 301 FLUID MECHANICS (3-0-3)(S). Physical properties of fluids: fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. PREREQ: EN 206 and EN 205.

EN 306 MECHANICS OF MATERIALS (3-0-3)(S). Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. PREREQ: M 205 or PERM/INST and EN 205.

EN 320 THERMODYNAMICS AND HEAT TRANSFER (3-0-3)(S). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. PREREQ: M 206 and PH 221.

EN 322 ENGINEERING ECONOMY (2-0-2). Economic analysis and comparison of engineering alternatives by annual-cost, present, capitalized cost, and rate-of-return methods; income tax considerations. PREREQ: Junior standing.

PS PHYSICAL SCIENCE

Lower Division

PS 100 FOUNDATIONS OF PHYSICAL SCIENCE (3-2-4)(Area III). Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-Science majors.

Graduate

PS 301 BASIC PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS (3-0-3). An introduction to the basic ideas of Physical Science including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Elementary concepts will be discussed and demonstrated with emphasis on methods that can be used with elementary school students. Offered when there is sufficient demand.

PH PHYSICS

Lower Division

PH 100 A CULTURAL APPROACH TO PHYSICS (3-3-4). Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics and how these ideas have contributed to the development of Western culture by their influence on philosophy, religion and technology.

PH 101-102 GENERAL PHYSICS (3-3-4). (FS) (Area III). Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science degrees and may be taken by forestry, pre-dental and pre-medical students. PREREQ: Algebra and Trigonometry.

PH 103 RADIOLOGICAL PHYSICS (2-0-2)(F). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included.

PH 104 RADIOLOGICAL PHYSICS (2-2-3)(S). An application of electrical, atomic and nuclear physics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereoangiography, body section radiography, therapeutic radiology, nuclear medicine and ultrasound. PREREQ: PH 103.
DEPARTMENT OF POLITICAL SCIENCE & PHILOSOPHY

Political Science Center: Phone 208-385-1458
Chairman and Professor: Dr. Willard M. Overgaard; Professors: Brinton, Donohue, Raymond, Skilern; Associate Professors: Barton, Harbison, Kinney, Moncrief, Schoedinger; Assistant Professor: Sallie; Special Lecture: Kuykendall.

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

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

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

In addition to the several optional major programs in Political Science, the University offers a Bachelor of Arts in Philosophy.

A Master of Public Administration Degree program is also offered.

POLITICAL SCIENCE MAJOR
Bachelor of Arts Degree

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

1. Political Philosophy and Public Law
2. Political Science - American Governmental Systems and Processes
3. International Relations
4. Public Administration

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

5. 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:

- American National Government PO 101
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Political Behavior PO 298
- Senior Seminar (Scope & Meth of Poli Sci) PO 498

Lower Division Electives (Select one requisite to the appropriate area of emphasis)

- State and Local Government PO 102
- Public Policy PO 220
- Comparative European Govt & Politics PO 229

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

1. Political Science - Political Philosophy and Public Law Emphasis

This area of emphasis is designed for those students whose principal interest in Political Science concerns both the fundamental political thought, past and present, in the development of political institutions in society and the systematized legal norms and processes of diverse societies.

a. General University and Core Requirements

Political Science Major Requirements

1) LOWER DIVISION

<table>
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<tr>
<th>Course</th>
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<tr>
<td>Lower Division Courses</td>
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<tr>
<td>American National Government PO 101</td>
<td>3</td>
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<td>Contemporary Political Ideologies PO 141</td>
<td>3</td>
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<tr>
<td>Comparative European Govt &amp; Politics PO 229</td>
<td>3</td>
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<tr>
<td>International Relations PO 231</td>
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<tr>
<td>Political Behavior PO 298</td>
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2) UPPER DIVISION

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<tr>
<td>American Political Theory PO 331</td>
<td>3</td>
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<tr>
<td>Constitutional Law PO 351</td>
<td>3</td>
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<tr>
<td>International Law PO 421</td>
<td>3</td>
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<tr>
<td>Western Political Theory PO 441</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Legal Systems PO 451</td>
<td>3</td>
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<td>Senior Seminar (Scope &amp; Meth of Poli Sci) PO 498</td>
<td>3</td>
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<tr>
<td>Political Science Electives</td>
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</table>

2. Political Science - American Governmental Systems and 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 University and Core Requirements

Political Science Major Requirements

1) LOWER DIVISION

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<tr>
<td>Lower Division Courses</td>
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<tr>
<td>American National Government PO 101</td>
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<td>International Relations PO 231</td>
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<td>Political Behavior PO 298</td>
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<tbody>
<tr>
<td>Upper Division Courses</td>
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<tr>
<td>American Parties &amp; Interest Groups PO 301</td>
<td>3</td>
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<tr>
<td>Public Opinion &amp; Voting Behavior PO 302</td>
<td>3</td>
</tr>
<tr>
<td>American Chief Executive PO 309</td>
<td>3</td>
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<td>Legislative Behavior PO 312</td>
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<tr>
<td>American Political Theory PO 331</td>
<td>3</td>
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<tr>
<td>Constitutional Law PO 351</td>
<td>3</td>
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<tr>
<td>Senior Seminar (Scope &amp; Meth of Poli Sci) PO 498</td>
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<tr>
<td>Political Science Electives</td>
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</table>

3. Political Science - International Relations Emphasis

The area of emphasis in International Relations is available for students wishing to obtain a general understanding of international affairs for a more intelligent citizenship in the modern world society. Students enrolling in this option are advised to prepare themselves adequately in modern foreign languages. The course requirements in Political Science are intended to provide a basis for an interdisciplinary program with additional courses drawn from Foreign Languages, History, Economics, and Sociology.

a. General University and Core Requirements

Political Science Major Requirements

1) LOWER DIVISION

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<tr>
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<td>American National Government PO 101</td>
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<td>Contemporary Political Ideologies PO 141</td>
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<td>Comparative European Govt &amp; Politics PO 229</td>
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<tr>
<td>International Relations PO 231</td>
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<td>Political Behavior PO 298</td>
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<td>Upper Division Courses</td>
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<tr>
<td>Comparative Foreign Policy PO 311</td>
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Comparative Communist Party-State Systems PO 324  3
Comparative Govt & Politics of
Developing Nations PO 333  3
United States Foreign Policy PO 335  3
International Law PO 421  3
International Organization PO 422  3
Senior Seminar (Scope & Meth of Poli Sci) PO 498  3
Political Science Electives  9

4. Political Science - Public Administration Emphasis

As an optional area of emphasis in Political Science, the course
requirements are designed to provide a broad foundation in the dis-
cipline of Political Science with special concentration in the area of
Public Administration. Special interdisciplinary course patterns can be
arranged for students interested in such complementary areas as
Public Administration and Economics, Public Administration
and Sociology, Public Administration and Psychology, and Public
Administration and Communication. Appropriate course selections for all stu-
dents opting for the Public Administration area of emphasis should
include electives in Computer Science, Psychology, Sociology, His-
tory, Economics, and Communication.

a. General University and Core Requirements
Political Science Major Requirements  45

1) LOWER DIVISION

Lower Division Courses  15
American National Government PO 101  3
Contemporary Political Ideologies PO 141  3
Public Policy PO 220  3
International Relations PO 231  3
Political Behavior PO 298  3

2) UPPER DIVISION

Upper Division Courses  30
Intro to Public Administration PO 303  3
American Chief Executive PO 309  3
Public Finance PO 310  3
Administrative Law PO 467  3
Intergovernmental Relations PO 469  3
Organizational Theory & Bureaucratic
Structure PO 487  3
Senior Seminar (Scope & Meth of Polit Sci) PO 498  3
Political Science Electives  9

5. Political Science - Social Science Secondary Education Option

Each academic department in the Social Sciences (History, Political
Science, Sociology, Anthropology & Criminal Justice Administration,
and Economics) provides a major emphasis with the Social Science
Secondary Education Option; Students must have a minimum of 30
credits in the Department's subject matter plus 2 additional fields of
study or teaching minors of 15 credits, each chosen from other Social
Science fields. Also SS 450, Teaching Social Studies in the Second-
ary School, is required for all students with Social Science Secondary
Education Option; certification requirement of 6 hours of U.S. History is
applicable.

30 Credit Hour Program - 24 Credit Hours Required Courses:
American National Government PO 101  3
State and Local Government PO 102  3
Contemporary Political Ideologies PO 141  3
International Relations PO 231  3
Comparative European Government & Politics PO 229  3
American Parties and Interest Groups PO 301  3
OR
Intro to Public Administration PO 303  3
OR
American Chief Executive PO 309  3
OR
Legislative Behavior PO 312  3
American Political Theory  3
OR
Western Political Theory I or II, PO 441 or 442  3
Constitutional Law PO 351  3
Political Science Electives-Upper Division  6

15 Credit Hour Emphasis - 12 Credit Hours Required Courses:
American National Government PO 101  3
Contemporary Political Ideologies PO 141  3

PHILOSOPHY MAJOR

Bachelor of Arts Degree

The program requirements for a philosophy major and in addition to
the necessary requirements to obtain a bachelor of arts degree from
Boise State, include 45 hours of philosophy credit, 30 of which are specif-
ically required courses and 15 of which are electives from other various
courses in philosophy. The required courses are listed below:

PY 101, Introduction to Philosophy  3
PY 121, Introduction to Logic  3
PY 221, Metaphysics  3
PY 231, Epistemology  3
PY 249, Ancient Philosophy  3
PY 251, Medieval Philosophy  3
PY 321, The British Empiricists  3
PY 331, The Rationalists  3
PY 351, Contemporary Philosophy  3
PY 211, Ethics  3

COURSE OFFERINGS

PO POLITICAL SCIENCE

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3)(F/S) (Area II), Institutions
and processes of American political system, emphasizing social, ideological, and constitu-
tional background.

PO 102 LOCAL GOVERNMENT (3-0-3)(F/S), Institutions and processes of state and
local government, with emphasis on constitutionalism, legislatures, governors and reap-
portemnt.

PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3)(F/S) (Area II), Principal
ideas characterizing liberalism, conservatism, fascism, and nazism.

PO 220 AMERICAN POLICY PROCESS (3-0-3)(S), Process through which policy is
determined, implemented and adjusted, with emphasis on role of administrators.

PO 229 COMPARATIVE EUROPEAN GOVERNMENTS AND POLITICS (3-0-3)(F/S),
Political systems of selected European nation-states, including Great Britain, France,
German Federal Republic, Italy, and Scandinavian states. Analysis of patterns of politi-
cal culture, political interests, political power, and selected public policy issues. PRE-
REQ: PO 101 or PERMIT.

PO 231 INTERNATIONAL RELATIONS (3-0-3)(F/S) (Area II), Nature of relations among
nations with particular reference to contemporary international issues. Analysis of moti-
vating factors, including nationalism, imperialism, communism. Study of national sover-
ignty and its relation to international cooperation. PREREQ: PO 101 or PERMIT.

PO 298 POLITICAL BEHAVIOR (3-0-3)(F), Behavioral perspectives of political systems.
Micro-political theory concepts, and techniques of analysis.

Upper Division

PO 301 AMERICAN PARTIES AND INTEREST GROUPS (3-0-3)(F), Development of inter-
ests of nature, functions, organization, and activities of political parties and
interest groups within American political system. Emphasis on performance of Ameri-
cas two major political parties, especially in nominations and elections, and on organi-
ization and lobbying activities of major interest groups. PREREQ: PO 101 or 102.

PO 302 PUBLIC OPINION AND VOTING BEHAVIOR (3-0-3)(S), Development of public
opinion and voting behavior. Empirical research from variety of fields for understanding
and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO
101 or 102.
PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3/F/S). Theory, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 309 AMERICAN CHIEF EXECUTIVE (3-0-3/F). Consideration of the importance and involvement of the President in the political and policy-making processes and powers of the Presidency. Presidential campaigns and elections. Role of the President as policy-maker and administrator. Effect of personality of a President on performance in office. PREREQ: PO 101.


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

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

PO 322 SOCIALIST COMMUNIST PARTY STATE SYSTEMS (3-0-3/F). Political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other communist parties. Selected topics and problems relating to political institutions and political processes to define patterns of political relationships. Questions of political theory and political determinants in development of communist party-states. PREREQ: PO 101. Alternate years.

PO 331 AMERICAN POLITICAL THEORY (3-0-3/F). Genesis and development of political thought in the United States from colonial period to present.

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3/F). Political systems in developing areas of the world, including nations in Africa, Asia, and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101. Alternate years.

PO 335 UNITED STATES FOREIGN POLICY (3-0-3/F). Development of diplomacy from founding of the republic to the present with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies. Alternate years.


PO 421 INTERNATIONAL LAW (3-0-3/F). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international affairs. PREREQ: PO 101. Alternate years.

PO 422 INTERNATIONAL ORGANIZATION (3-0-3/F). Historical background, the league; basic problems of international entities; the United Nations. PREREQ: PO 101. Alternate years.

PO 441 PART I WESTERN POLITICAL THEORY (3-0-3/F). Development of political philosophy from Socrates to Machiavel. Alternate years.

PO 442 PART II WESTERN POLITICAL THEORY (3-0-3/F). Development of political thought since Machiavel. PREREQ: PO 441. Alternate years.

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3/F). Principal legal systems of the world, with emphasis on ideological foundations, organization, procedures, methods of growth, relationship to politics and economic systems, and basic juristic concepts. PREREQ: PO 101, 141, 226. Alternate years.

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3/F). Systematic examination and comparison of various models and theories of administrative systems. International and international agencies. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303.

PO 467G ADMINISTRATIVE LAW (3-0-3/F). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and administrative actions. PREREQ: PO 101. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303 or PERMST.

IPD 469G INTERGOVERNMENTAL RELATIONS (3-0-3/F). Intergovernmental relations in the American federal system, including state-local relationships and metropolitan dispersion and integration. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 101, 102, 303.

PO 483G ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3/F). Sociopolitical analysis of theories and concepts of bureaucratic and political organizations, their application to public administration and the interrelationship between political science and sociological organizational theory. Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and applicants for this program should be in early October.

PO 498 SENIOR SEMINAR (SCOPE AND METHODS OF POLITICAL SCIENCE) (3-0-3/F). Examination of discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. Required of all political science majors.

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3-0-3/F). Area I. General background in various areas of the discipline. Specific philosophical problems examined, based on solutions by various philosophers in western culture. Areas examined include metaphysics, ethics, and epistemology.

PY 121 INTRODUCTION TO LOGIC (3-0-3/F). Area I. Science of valid reasoning, including logical rules of inference, methods of argumentation, logical problem-solving and nature of logical fallacies.

PY 211 ETHICS (3-0-3). Problems of normative ethics and metaethics. Normative ethics concerns norms and guidelines of moral behavior. Metaethics concerns the nature of ethical statements; naturalism, intuitionism and emotivism.


PY 245 METAPHYSICS (3-0-3/F). Examination of (a) problem of free will versus determinism, (b) nature of causation, (c) problem of personal identity, and (d) ontology. PREREQ: PY 101.

PY 247 EPistemology (3-0-3/F). Theory of knowledge, including (a) examination of relations between knowledge and belief, (b) evaluation of theories of perception, and (c) theories of truth. PREREQ: PY 101.


PY 251 MEDIEVAL PHILOSOPHY (3-0-3/F). Works of St. Anselm, Duns Scotus, St. Thomas Aquinas, Abelard, William of Ockham and other contributors to intellectual thought during the Middle Ages. PREREQ: PY 101.

PY 261 AESTHETICS (3-0-3/F). This course is directed toward such questions as "What is Art?" "What criteria does one employ to determine good art from bad art?" Aesthetics is ultimately concerned with the nature of beauty. PREREQ: PY 101.

Upper Division

PY 303 THE AGE OF ABSOLUTISM AND REASON (PHILOSOPHY) (3-0-3/F). European thought in the seventeenth and eighteenth centuries. Ideas of the philosophers and the crisis of the old regime leading to revolutions. May be taken for History credit or for Philosophy credit, but not both. PREREQ: PY 101. Alternate years.

PY 321 THE BRITISH EMPIRICISTS (3-0-3/F). This course covers one of the two basic schools of philosophy which focus on the theories of perception. Selected works of Locke, Berkeley, and Hume are examined. PREREQ: PY 101.

PY 334 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3/F). Exploration of 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 existential question, "what am I?" and the phenomenological question, "what is my relationship to the external world." PREREQ: PY 101.

PY 351 CONTEMPORARY ANALYTIC PHILOSOPHY (3-0-3/F). This course examines the methods of logical positivism, presented through the works of Russell, Wittgenstein, and Ayer. It also relates the alternatives to positivism as expressed through the later works of Wittgenstein. Also to be examined are selected papers of Moore and Russell. PREREQ: PY 101.

PY 404 SYMBOLIC LOGIC (3-0-3/F). Translation of natural language statements into symbolic form for the purpose of making them ambiguous and of making deductions through rules of propositional calculus. PREREQ: PY 121.

PY 405 PHILOSOPHY OF SCIENCE (3-0-3/F). Examination of such philosophical questions as the finiteness of the universe, as well as theories concerning the nature and verification of postulated entities.

DEPARTMENT OF SOCIAL WORK

Education Building, Rm. 713 Phone 208-385-1568
Chairman and Associate Professor: Doug Yunker; Professor: Huff; Associate Professors: Oliver, Panitch and Johnson.

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

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

Social Work is usually practiced in social welfare agencies and in Social Work departments at host settings. Social workers are needed to work with mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped, economically, and socially deprived children and adults. Social workers 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
designated to enrich the quality of life by enabling individuals, groups and communities to achieve their greatest potential development.

SOCIAL WORK MAJOR
Bachelor of Arts Degree

1. TOTAL Requirements
General University and Major Requirements ............ 128

2. LOWER DIVISION
Lower Division Courses .................................. 60

3. UPPER DIVISION
Upper Division Courses .................................. 42

4. ELECTIVES

BACHELOR OF ARTS DEGREE
(Suggested Program)

FRESHMAN YEAR: 1st SEM 2nd SEM
English Composition E 101-102 3 3
Concepts of Biology B 100 3
Science-Mathematics 4 4
History 3
State and Local Government PO 102 3
Introduction to Sociology SO 101 3
Introduction to Social Work SW 101 3
General Psychology P 101 3
Communication 3

SOPHOMORE YEAR:

Literature 3 3
Humanities 3 3
Science-Math 4
Economics 3
Social Problems SO 102 3
Elementary Social Work Processes SW 201 3
History 3
Electives 4 4

JUNIOR YEAR:

Social Work Stat & Research Methods SW 380 3
Social Welfare Policy SW 301 3
Human Behavior in Social Environment SW 321 3
Social Work Methods-Casework SW 385 3
Psychology Electives 3 3
Upper Division Electives 3 3
Lower or Upper Division Electives 7 7

SENIOR YEAR:

Field Work SW 480,481 5 5
Senior Seminar SW 486, 499 1 1
Social Work Methods-Groupwork SW 435 3
Social Work Methods-Community Organ SW 430 3
Lower or Upper Division Electives 15 17

COLLEGE OF ARTS & SCIENCE

DEPARTMENT OF SOCIOLOGY, ANTHROPOLOGY, CRIMINAL JUSTICE ADMINISTRATION

Library Building, Room 218 Phone 208-385-3406

Chairman and Professor: Dr. Max. G. Pavesic; Professors: Baker, Dorman, Pavesic, Scheffer; Associate Professors: Ames, Christensen, Cox, Hopfenbeck; Assistant Professors: Blaine, Corbin, Foraker-Thompson.

The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for the following six degree programs:

ASSOCIATE DEGREE
Criminal Justice Administration
Social Science (MHAFT only)
COLLEGE OF ARTS & SCIENCE

BACHELOR DEGREE

Anthropology
Anthropology - Social Science Secondary Education Option
Criminal Justice Administration
Social Science
Sociology
Sociology-Social Science Secondary Education Option
Multi-Ethnic Studies

In addition, the Department is responsible for both an Anthropology and a Sociology "Social Science Curriculum Minor" as part of the Social Science Secondary Education degree; for a "Minor" in Multi-Ethnic Studies; and for "Minor Certification Endorsement" in Anthropology and in Sociology for teachers.

ANTHROPOLOGY - Bachelor of Arts Program

1. Liberal Arts Option
   a. General University and Basic Core Requirements 42
   b. Anthropology Requirements
      1) Lower Division Courses
         a. Physical Anthropology AN 101 3
         b. Intro to Archaeology AN 103 3
         c. Anthropology AN 102 3
         d. Anthropology AN 103 3
      2) Upper Division Courses
         a. History of Anthropology AN 401 4
         b. Elementary Social Stat SO 310 or equivalent 3
         c. Intro to Archaeology AN 103 3
      3) Other Upper Division Courses
         a. Select 3 credits from each of the following groups of courses:
            i. Group I Courses
               a. Anthropology of Education AN 409 3
               b. Anthropology AN 430 3
               c. Socio-Cultural Electives 3
            ii. Group II Courses
               a. Peoples of the Pacific Islands AN 305 3
               b. Indians of North America AN 307 3
               c. Peoples & Cultures of the World AN 311 3
               d. Indians of Idaho AN 315 3
               e. Ethnography Electives 3
            iii. Group III Courses
               a. Old World Prehistory AN 303 3
               b. Archaeology on North America AN 312 3
               c. Archaeology of Latin America AN 318 3
               d. Seminar in Archaeology AN 421 3
   c. Recommended Electives:
      i. One year of a foreign language; a computer application course; and
         Li 305 Introduction to Linguistics.
   2. Anthropology - Social Science Secondary Education Option
   Academic Options - Each academic discipline in the Social Sciences (History, Political Science, Sociology, Anthropology and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the Department's subject matter plus 2 additional fields of study of 15 credits each chosen from the other Social Science fields.
   a. Anthropology Courses 33
      Required courses are the same as for the major except SO 310 is not required
   b. Secondary Education Requirements 25-30
   c. Refer to Teacher Education Department
   d. State Department of Education Certification Requirements, Social Studies 9
   e. U.S. History 6
   f. Federal Government 3
      In addition to "C" above, the student must take at least 15 credits of which 9 must be Upper Division credits offered by any 2 of the following academic disciplines:
         Economics
         History
         Political Science
         Sociology
   3. Anthropology Minor Option
      a. Liberal Arts Minor
      b. Anthropology Education Minor Option 15
         Required Courses:
            a. Physical Anthropology AN 101 3
            b. Cultural Anthropology AN 102 3
            c. Intro to Archaeology AN 103 3
            d. Peoples & Cultures of the World AN 311 3
            e. Upper Division Anthropology Electives 9
      c. Required Courses:
         a. Physical Anthropology AN 101 3
         b. Cultural Anthropology AN 102 3
         c. Upper Division Anthropology Electives 9
         d. Intro to Archaeology AN 103 is strongly recommended.

CRIMINAL JUSTICE ADMINISTRATION

BACHELOR OF ARTS DEGREE

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

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

CORE COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-E102</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Humanities (Area I)</td>
<td>9</td>
</tr>
<tr>
<td>Science or Mathematics (Area III)</td>
<td>12</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Financial Accounting AC 205</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Introduction to Information Sciences IS 210</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
</tr>
<tr>
<td>State-Local Government PO 102</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech Communication CM 111</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Social Justice CR 101</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Criminal Justice Admin CR 201</td>
<td>3</td>
</tr>
<tr>
<td>Police in the Community CR 215</td>
<td>3</td>
</tr>
<tr>
<td>Administration of Justice CR 301</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Law CR 321</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Correctional Theory &amp; Practice CR 362</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Criminal Justice CR 496</td>
<td>3</td>
</tr>
<tr>
<td>Abnormal Psychology P 301</td>
<td>3</td>
</tr>
<tr>
<td>Juvenile Delinquency SO 415</td>
<td>3</td>
</tr>
<tr>
<td>Criminology SO 417</td>
<td>3</td>
</tr>
<tr>
<td>Independent Study in Criminal Justice CR 496</td>
<td>3</td>
</tr>
</tbody>
</table>

SPECIALTY AREA COURSES:

1. Law Enforcement
   a. Defensive Tactics PE 192 1
   b. Law of Criminal Evidence CR 275 3
   c. Law of Arrest, Search & Seizure CR 276 3
   d. Police Organization & Management CR 351 3
   e. Introduction to Criminalistics CR 380 3
   f. Criminal Justice Planning CR 425 3
   g. Comparative Law Enforcement Admin CR 451 3
   h. Field Practicum-Enforcement CR 490 6
   i. Electives to total 128 19

2. Courts/Law
   a. Law of Criminal Evidence CR 275 3
   b. Law of Arrest, Search & Seizure CR 276 3
   c. Judicial Admin & Court Management CR 381 3
   d. Criminal Justice Planning CR 425 3
   e. Comparative Law Enforcement Admin CR 451 3
   f. Constitutional Law PO 351 3
   g. Field Practicum-Courts-Law CR 490 6
   h. Electives to total 128 20

3. Corrections/Counseling
   a. Corrections in the Community CR 331 3
   b. Interviewing & Counseling in Crim Justice CR 340 4
   c. Advanced Interview & Counsel in Crim Just CR 341 4
   d. Criminal Justice Research & Evaluation CR 426 3
   e. Field Practicum-Correct-Counsel CR 490 6
   f. Criminal Justice Elective 3
   g. Electives to total 128 21
4. Planning/Administration

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

*Must be completed prior to senior year:

Associate of Science Degree (Two Year)
(Suggested Scheduling)

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Social Justice CR 101</td>
<td>3</td>
</tr>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
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<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
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<tr>
<td>Fundamentals of Speech Comm CM 111</td>
<td>3</td>
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<tr>
<td>State-Local Government PO 102</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Criminal Justice Admin CR 201</td>
<td>3</td>
</tr>
<tr>
<td>Defensive Tactics FA 141</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR:

Intro to Information Sciences IS 210
OR
Intro to Financial Accounting AC 205
Policing in the Community CR 215
Law of Criminal Evidence CR 275
Humanities
History
General Psychology P 101
Law of Arrest, Search & Seizure CR 276
Electives
  1
  6
  15

SOCIAL SCIENCE - Bachelor of Arts Degree

1. General University and Basic Core Requirements:

2. Social Science Requirements:
   a. Lower Division Courses: 21
      Anthropology
      Economics
      Political Science
      Sociology
      Social Science Electives
      9
   b. Upper Division Courses (select from the following combinations—
      12 credits in one field and 6 credits in two other fields
      Anthropology
      Economics
      History
      Political Science
      Sociology
      Psychology

SOCIODY MAJOR

Bachelor of Arts and Bachelor of Science Programs

1. Completion of general University requirements for the Bachelor of Arts or Bachelor of Science degree as given in Part 3 of the Catalog. Bachelor of Arts degree candidates are required to complete one year of foreign language. Sociology courses MAY NOT be used to satisfy Area II requirements.

2. Sociology Majors shall complete at least forty-one (41) credit hours in Sociology courses, including:
   a. A twenty-three (23) hour major core consisting of the following courses:
      Introduction to Sociology SO 101 ........................................ 3
      Computer Applications in Social Science SO 201 ..................... 3
      Theories of Society SO 210 .............................................. 3
      Elementary Social Statistics SO 310 .................................. 3
      Social Research SO 311 .................................................. 3
      History of Sociology SO 401 ......................................... 3
      Contemporary Sociological Theory SO 402 .......................... 3
      Sociology Seminar SO 498 ............................................. 2

b. A nine (9) credit hour track emphasizing either 1) General Sociology or 2) Applied Sociology. The General track will serve those who desire a broad theoretical orientation and substantive knowledge base with less emphasis on quantitative and methodological aspects of the field. The Applied track should be useful to those who, whether working toward post-graduate education or immediate employment, want to emphasize the tools of research and quantitative analysis.

1) GENERAL SOCIOLOGY - Nine credit hours selected from:
   Social Institutions SO 351 ........................................... 3
   Social Change SO 403 ................................................. 3
   Social Inequality SO 421 ............................................ 3
   Social Psychology SO 431 ............................................ 3
   OR

2) APPLIED SOCIOLOGY
   Advanced Social Statistics SO 410 ................................... 3
   Advanced Research Methods SO 411 .................................. 3
   Sociology Internship SO 493 ....................................... 3

   c. Nine (9) additional hours in Sociology. These may be selected from all Sociology course offerings or focused on some specific area of interest or vocational concern.

SOCIODY MAJOR DEGREE PROGRAM

Following is a suggested sequence of courses for the Bachelor of Science degrees.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
</tr>
<tr>
<td>Science: Mathematics core</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Cultural Anthropology AN 102 Recommended</td>
<td>3</td>
</tr>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Philosophy PY 101</td>
<td>3</td>
</tr>
<tr>
<td>History of Western Civilization H 101 Recom</td>
<td>3</td>
</tr>
<tr>
<td>Area II Elective</td>
<td>3</td>
</tr>
<tr>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

|Literature Elective core | 3 |
|Science: Mathematics Elective | 4 |
|General Psychology P 101 Recommended | 3 |
|Theories of Society SO 201 | 3 |
|Computer Applications, So Sci SO 210 | 3 |
|Area I Electives (core) | 6 |
|Science Electives for B.S. OR | 4 |
|Foreign Lang. Elect. for B.A. | 4 |
| 16 | 17 |

JUNIOR YEAR

|Elem Social Statistics SO 310 | 3 |
|Social Research SO 311 | 3 |
|Emphasis: General: Applied | 6 |
|Minor Emphasis | 6 |
|Electives | 3 |
| 16 | 18 |

SENIOR YEAR

|History of Sociology SO 401 | 3 |
|Contemporary Soc Theory SO 402 | 3 |
|Emphasis: General: Applied | 3 |
|Minor Emphasis | 6 |
|Sociology Seminar SO 498 | 2 |
|Electives | 3 |
| 15 | 14 |

* B 100 Concepts of Biology and M 100 Cultural Approach to Math are strongly recommended.

SOCIODY - SOCIAL SCIENCE

Secondary Education Option

The Social Science Secondary Education Option Degree programs are cooperative, interdisciplinary programs involving the disciplines of Economics, History, Political Science, Anthropology, and Sociology. Each discipline provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Geography and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of F.U.S. History, as a
certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curricula in the degree program. The student is assigned to the department with the major curriculum.

The 30 hour Social Science Curriculum Major in Sociology consists of 23 hours required of all Sociology majors plus 9 credit hours of Upper Division Sociology.

**ANTHROPOLOGY**

**Social Science Minor**

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

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

**SOCIOLGY**

**Social Science Minor**

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

Sociology Electives-Half must be Upper Div ...................................... 12

Minor certification endorsements for teaching areas are listed in this Catalog on page 100 of the Department of Teacher Education Section within the College of Education.

**MULTI-ETHNIC STUDIES**

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

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

**BACHELOR OF ARTS DEGREE**

1. General University Requirement ............................................... 51

2. Ethnic Studies Requirements

   a. Lower Division Courses

   Introduction to Multi-Ethnic Studies SO 230 .................................. 3

   Cultural Anthropology AN 102 .................................................. 3

   Ethnic Literature Courses ...................................................... 6

   Minorities in U.S. History HY 261 ........................................... 3

   b. Upper Division Courses

   Upper Division Courses ....................................................... 3

   Racial and Cultural Minorities SO 305 ........................................ 3

   c. Ethnic Courses Electives

   (List of approved Course Offerings available from Program Supervisors) 30

   Total Electives ........................................................................ 128

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

   Multi-Ethnic Studies Minor

   a. Requirements

   Intro to Multi-Ethnic Studies SO 230 ........................................... 3

   Minorities in U.S. History HY 261 ........................................... 3

   Ethnic Literature Courses ....................................................... 3

   b. Ethnic Courses Electives ...................................................... 12

   List of approved courses available from Program Supervisors.

**ANthropology OFFERRINGS**

**AN THROPOLOGY**

**Lower Division**

AN 101 PHYSICAL ANTHROPOLOGY (3-0-3)(Area II). An introduction to the fossil evidence for human evolution, genetics, modern human variation, the study of living primates, and the relationship between biology and culture. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

**AN 102 CULTURAL ANTHROPOLOGY (3-0-3)(Area II).** 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. AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(F/S)(Area II). An introduction to the historical background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories.

**Upper Division**

AN 303 OLD WORLD PREHISTORY (3-0-3)(F/S). A survey of cultural evolution from the first known evidence of cultural behavior (ca. two million years ago) to the domestication of plants and animals and the rise of civilization. Special emphasis is placed on the development of civilizations. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)(F/S). Survey of peoples and cultures of Oceania - including Polynesia, Melanesia, Micronesia, New Guinea and Australia. From pre-European contact to the present. Theories of settlement, cultural diversity; effects of European colonization and WWII; contemporary island cultures. PREREQ: Upper Division Status or PERM/INST. Alternate years.

AN 307 INDIANS OF NORTH AMERICA (3-0-3)(F/S). A general survey emphasizing the description and analysis of native cultures and the role of environment and historical factors in North America. PREREQ: Upper Division status or PERM/INST.

AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S). A general world-wide survey of selected non-industrial cultures with emphasis on cultural diversity, cultural adaptation, historical development and results of contact with the Industrial World. PREREQ: AN 102, Upper Division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A prehistoric survey of habitable North America north of Mexico; general overview approaches to the environment and human relationships 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. PREREQ: Upper Division status or PERM/INST.

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

AN 318 ARCHAEOLOGY OF LATIN AMERICA (3-0-3)(F/S). An examination of the precolonial civilizations of Latin America with emphasis on those of Mexico and Central America, particularly the Maya and Aztec. PREREQ: Upper division status or PERM/INST.

AN 325 HUMAN EVOLUTION (3-0-3)(F/S). An examination of human evolution during the past 5 million years with emphasis on evolutionary theory and the human fossil record and patterns of variability among humans. PREREQ: AN 101 or 102, Upper Division status or PERM/INST. Alternate years.

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

AN 409 ANTHROPOLOGY OF EDUCATION (3-0-3)(F/S). An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. PREREQ: AN 102, Upper Division status or PERM/INST.

AN 421 SEMINAR IN ARCHAEOLOGY (3-0-3)(F). A survey of the philosophical and theoretical foundations of archaeology, including the developments in methodology and technical advances as applied to archaeological research. PREREQ: AN 103, Upper Division status or PERM/INST. Alternate years.

AN 430 APPLIED ANTHROPOLOGY (3-0-3)(F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary societies and institutions. PREREQ: AN 100, Upper Division status or PERM/INST.

**CR CRIMINAL JUSTICE ADMINISTRATION**

**Lower Division**

CR 101 SOCIAL JUSTICE (3-0-3)(S). Study of basic issues of law as a means of social control including broader issues of social justice such as poverty, racism, sexism, alienation. Provides foundation for examining relevant critical issues in American society.

CR 201 INTRODUCTION TO CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F/S). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

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


CR 331 CORRECTIONS IN THE COMMUNITY (3-0-3)(S). Development, organization, operation and results of post-conviction release programs. Traditional court and institutionally supervised probation and parole, work release, halfway houses, diversion, tuffugh concept and various community/social agency rehabilitative programs of both traditional and innovative nature. PREREQ: CR 201 or SO 101.

CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-0-3)(F). Theory and skills involved in effective communication, interviewing and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. PREREQ: Upper division CJA standing.


CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3F)(Even years). Study of practices and trends in court management and judicial administration; court personnel, selection, training and discipline. Examination of techniques in the management of judicial administration. PREREQ: CR 301; upper division CJA standing.

CR 425 CRIMINAL JUSTICE PLANNING (3-0-3F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program. Use of planning and analytical tools to review current issues in the system. PREREQ: Upper division CJA standing.

CR 426 CRIMINAL JUSTICE RESEARCH AND EVALUATION (3-0-3). Basic aims, processes, and limitations of research in criminal justice. Introduction of social research methods and techniques for evaluating action programs in the criminal justice field. PREREQ: CR 425, upper division CJA standing, or PERM/NST.

CR 451 COMPARATIVE LAW ENFORCEMENT ADMINISTRATION (3-0-3F). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: CR 341; upper division years with CR 350.

CR 450 FIELD PRACTICUM (V4-V6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all B.A./S students within the senior year of full time criminal justice experience. Recommended during summer following junior year; fall/spring by special permission.

SO SOCIOLOGY

Lower Division

SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3)(Area II). Groups, organizations and institutions. Their impact on human behavior. Emphasis on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

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

SO 121 DATING AND MARRIAGE (3-0-3). An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each exploited at length in popular culture but usually ignored as a serious subject of academic examination. The course will emphasize factual knowledge, self understanding and a sociological perspective on marriage in a changing society.

SO 201 THEORIES OF SOCIETY (3-0-3F). Introduction to the major analytical and interpretative contributions of Sociology towards an understanding of the nature and causes of human behavior. PREREQ: Upper Division standing.

SO 203 FUTURISTICS (3-0-3F). Examination of the variety of forecasts about industrial societies and of the critical problems of contemporary societies: growth, environment, energy, technology, resources, and quality of life. Possible solutions will be reviewed.

SO 210 COMPUTER APPLICATIONS IN SOCIAL SCIENCE (3-0-3F). The objectives of this course are to develop and expand the student's understanding of social science data and to provide students an experience in the collection and analysis of social data with increased ease via the computer.

SO 230 INTRODUCTION TO MULTI-ETHNIC STUDIES (3-0-3F)(Area II). This course views majority and minority relations and conflicts, challenges and motivates students to know themselves better and understand societal problems: viz. racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

Upper Division

SO 305 RACE AND CULTURAL MINORITIES (3-0-3F). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. PREREQ: SO 202 or P 101 and upper division standing.

SO 310 ELEMENTARY SOCIAL STATISTICS (3-0-3F). The application of elementary statistics to the study of social research. Laboratory work. Recommended for majors to be taken in junior year and followed by SO 311. PREREQ: SO 101, high school algebra. Upper division status.

SO 312 PSYCHOLOGY AND THE SOCIAL SCIENCES (3-0-3F). An introduction to the empirical basis of modern social methodologies of research, data analysis. PREREQ: Upper division data. PREREQ: SO 311, 310 and upper division status.

SO 320 STATISTICAL SOCIOLGY (3-0-3F). Analysis of social behavior in terms of statistical techniques and models. Analysis of the behavior of the general public because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. PREREQ: SO 1010 and upper division status.

SO 330 SOCIOLOGY OF VIOLENCE (3-0-3F). The incidence of deliberate injury of one human being by another is analyzed in terms of social and cultural patterns that act to produce, alter or discourage acts of violence. The various forms violence may take are examined from a sociological perspective. PREREQ: SO 101 and Upper Division Status. Alternate Years.

SO 331 DEMOCRACY BEHAVIOR (3-0-3F). Analysis of groups who violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies between those labeled deviant or with those doing the labeling. PREREQ: SO 101, upper division status.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3F). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationship between these to the larger society. PREREQ: SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

SO 351 SOCIAL INSTITUTIONS (3-0-3F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101, upper division status.

SO 362 CRIMINOLOGY (3-0-3F). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper division standing.

SO 362 CRIMINOLOGY (3-0-3F). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper division standing.

SO 370 SOCIOLOGY OF LAW (3-0-3S). Law enforcement, adjudication and adjudication are studied as social acts with social consequences. Theories and practices of legal action are examined as emerging from and impacting on the social structure. PREREQ: SO 101 and upper division status.

SO 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3S). This course examines sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of sex roles on cultural change and social stability. PREREQ: Upper division credit but not for both. PREREQ: General Psychology P 101 or Introduction to Sociology, SO 101 and upper division status.

SO 380 POLITICAL SOCIOLOGY (3-0-3F). A survey of research literature and theory on Political Sociology and identifying attitudes and legislative actions among the citizenry in the U.S. This course will examine the pluralistic nature of society from the sociological perspective. PREREQ: SO 101 and Upper Division status. Alternate Years.

SO 401 HISTORY OF SOCIOLOGY (3-0-3F). Examination of the intellectual and social currents from 1800 to 1900 during which time Sociology has initially recognized itself as a separate perspective within Social Science. Major insights of sociological writers of this period. PREREQ: SO 101, upper division standing.

SO 402 CONTEMPORARY SOCIOLOGICAL THEORY (3-0-3S). Study and discussion of selected 50th century theories. PREREQ: SO 101, upper division standing.

SO 403 SOCIAL CHANGE (3-0-3F). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper division standing.

SO 407 SOCIOLOGY OF RELIGION (3-0-3F). Social science perspectives on religion. Religion viewed as human activity influencing and being influenced by social organization and social conditions. Alternate years.

SO 410 ADVANCED SOCIAL STATISTICS (3-0-3S). The methods of non-parametric statistics in the analysis of Sociological data are examined in depth with application to research. PREREQ: SO 101, SO 310 and Upper Division Status.

SO 411 ADVANCED RESEARCH METHODS (3-0-3S). The application of research methods for examination and explanation of social data, causal inference and theory construction. The student will gain experience in designing and completing a research project. PREREQ: SO 101, SO 311, SO 410, and Upper Division Status.

SO 415 JUVENILE DELINQUENCY (3-0-3S). Social causes of juvenile delinquency. Solutions for the discussed are derived from social psychological and political perspectives. PREREQ: SO 101, upper division standing.

SO 417 CRIMINOLOGY (3-0-3S). Examines the social causes of criminal behavior, relevant research, the role of the individual and the system. PREREQ: Upper Division standing. Alternate years.

SO 421 SOCIAL INEQUALITY (3-0-3S). How inequalities of wealth, income and prestige occur. How such inequalities affect style of living, personal philosophy and life chances. Arguments for and against more equality will be examined in relation to issues such as: constraint and mobility; education and opportunity; consumption and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and Upper Division Status. Alternate years.

SO 425 URBAN COMMUNITY AND PLANNING (3-0-3F). A policy oriented approach to evaluating the social and physical changes occurring in the urban community. The role of planning, urban renewal, public policy and their human consequences will be examined. PREREQ: SO 101 and Upper Division Status. Alternate years.

SO 431 SOCIAL PSYCHOLOGY (3-0-3F). The influence of social and cultural factors on individual behavior, perception and attitudes, including the effects of groups on their members. This course may be taken for either Psychology or Sociology credit, but not for both. PREREQ: SO 101, P 101 and upper division standing.

SO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3F). An examination and explanation of social and political action as they form and are maintained. Theories of organization and research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. PREREQ: Senior standing; PERM/NST.

SO 490 SOCIETY SEMINAR (3-0-3S). Intensive study of selected problems in Sociology. PREREQ: Senior standing in Sociology major.
## THEATRE ARTS Major - Bachelor of Arts Degree

**General University Requirements, except**

1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Physical Education Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.)
3. Area I
   - Intro to Theatre and Art or Music
   - Dramatic Literature
   - Elective Literature Course
4. Area II
   - History of Western Civilization
5. The Department recommends that Theatre Arts Majors take one year of Foreign Language and LS 101 or 102.

### MAJOR SUBJECT REQUIREMENTS

#### THEATRE:
- Introduction to Theatre TA 107: 3
- Technical Theatre TA 117-118: 8
- Acting (Lower Division) TA 215: 3
- Stage Voice TA 233: 3
- World Drama TA 341,342,343: 6
- Directing TA 401: 6
- Theatre History TA 421; 422: 6
- Contemporary Drama TA 445: 3
- Major Production Participation (2 hr LD, 2, UD) TA 231,331: 4
- **Total**: 39

#### SECONDARY EDUCATION

**Department requirements for the Secondary Education Option are the same as regular Theatre major plus:**
- Directing TA 402
- Shakespeare E 345 or 346 (substitured for Contemporary Drama TA 445)
- Reading in Content Subjects TE 307
- Educating the Exceptional Secondary Student TE 333
- The student must also satisfy the requirements for teacher certification.

### ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in the BSU Catalog under the English Department heading.

**Liberal Arts Option:**
- Lower Division Literature: 9
- One of the following:
  - Expository Composition E 201
  - Creative Writing, Poetry E 205
  - Creative Writing, Fiction E 206
- Upper Division Electives other than English Department Drama Courses: 6
- **Total**: 18

### PERSONAL AND PROFESSIONAL DEVELOPMENT REQUIREMENTS

**Electives:**
- **Minimum of 16 semester hours required.**
- **Electives may be selected from the following:**
  - English courses numbered 300 and above
  - Theatre courses numbered 200 and above
  - Foreign languages
  - Liberal arts courses as determined by the student's advisor

### COURSES APPLYING TO BOTH DISCIPLINES

- Shakespeare: Tragedies & Histories E 345
- Shakespeare: Comedies and Romances E 346
- Total in English Minor for Theatre Arts Major: 24

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### THEATRE EMPHASIS:

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<tr>
<td>English Composition E 101-102</td>
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<td>-</td>
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<td>*Technical Theatre</td>
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<td>4</td>
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<tr>
<td>Art or Music</td>
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<td>3</td>
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<tr>
<td>Intro to Use of Books &amp; Libraries</td>
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### SOPHOMORE YEAR:

| Literature Elective | 3 |
| *Stage Voice | - |
| *Western Civilization | 3 |
| *Acting | - |

### JUNIOR YEAR:

| Foreign Language | 4 |
| *Dramatic Literature | 3 |
| *World Drama | 3 |
| Electives, Upper Division | 6 |
| **Total**: | **16** |

### SENIOR YEAR:

| *Directing | 3 |
| *Theatre History | 3 |
| Electives, Upper Division | 6 |
| *Contemporary Drama | - |
| **Total**: | **12** |

### SECONDARY EDUCATION EMPHASIS:

<table>
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<tr>
<th>FRESHMAN YEAR</th>
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<td><strong>English Composition E 101-102</strong>:</td>
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<tr>
<td><strong>Total</strong>:</td>
<td><strong>15</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**Electives:**
- **Minimum of 16 semester hours required.**
- **Electives may be selected from the following:**
  - English courses numbered 300 and above
  - Theatre courses numbered 200 and above
  - Foreign languages
  - Liberal arts courses as determined by the student's advisor

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### SOCIAL SCIENCE ELECTIVE:

- **Minimum of 2 hours required.**
- **May be selected from the following:**
  - Social Science courses numbered 101 and above
  - Laboratory Science courses numbered 101 and above

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### LABORATORY SCIENCE:

- **Minimum of 1 hour required.**
- **May be selected from the following:**
  - Laboratory Science courses numbered 101 and above

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### JUNIOR YEAR:

| Foreign Language | 4 |
| *Dramatic Literature | 3 |
| Laboratory Science | 4 |
| Social Science Elective | 3 |
| *Acting | 3 |
| Electives | 4 |
| **Total**: | **16** |

### SENIOR YEAR:

| *Directing | 3 |
| *Theatre History | 3 |
| Electives, Upper Division | 6 |
| *Contemporary Drama | - |
| **Total**: | **12** |

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### COURSES APPLYING TO BOTH DISCIPLINES

- Shakespeare: Tragedies & Histories E 345
- Shakespeare: Comedies and Romances E 346
- **Total**: 24
TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit)/(F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full-time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.

TA 107 INTRODUCTION TO THEATRE (3-0-3)(AREA A). 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 production techniques.

TA 117-118 TECHNICAL THEATRE (3-4-4)(F/S). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre, the mechanical characteristics of the stage and the elements used in productions, development of drafting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

TA 162 STAGE MAKE-UP (3-0-3)(F). Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of make-up and other technical aspects that influence this particular art. Practical application emphasized.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). For the theatre student and the experienced dancer. The first half of the semester covers improvisation, simple choreography and ballet barre work. The second half covers jazz warm-ups and choreography, culminating in a formal performance. The second half requires much out-of-class work. The class may be repeated once for credit. Maximum credits: 6.

TA 215-216 ACTING (1-2-3). Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which are commercial influences on program content.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.

TA 232, 432 REPERTORY THEATRE (3-0-3). 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: 6.

TA 233 STAGE VOICE (3-0-3)(F/S). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility as applied in work with actual scenes.

Upper Division

TA 281 PUPPETRY (3-0-3)(F/S). 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.


TA 311 ADVANCED ACTING (3-0-3)(F/S). 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. PRE-REQ: TA 215-216 or PERM/INST. Alternate years.

TA 341 WORLD DRAMA 1570-1570 (3-0-3)(F). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form. Alternate years.

TA 342 WORLD DRAMA 1570-1870 (3-0-3)(F). Same as TA 341, except that the period covered is from 1570 to 1870. Alternate years.

TA 343 WORLD DRAMA 1870-1960 (3-0-3)(F). Same as TA 341 except that the period covered is from 1870 to 1960. Alternate years.

TA 361 ELEMENTS OF SCENIC DESIGN (3-0-3)(F). Major skills of beginning design, included will be art techniques for the theatre, research in major periods of scenic design, examination of major designers’ works, and practical experience in designing for all major types of stages. PRE-REQ: TA 117-118.

TA 392 COSTUME DESIGN (3-0-3)(S). Major skills of beginning costume design, included will be art techniques for theatre, research in major periods of costume design, examination of major costume designers, works and practical experience in designing for all manner of productions. PRE-REQ: TA 117-118. Alternate years.

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

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

TA 421-422 THEATRE HISTORY (3-0-3)(F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through approximately 1550 AD; the second semester from the Elizabethan period through the end of the 19th century.


TA 491 SENIOR PROJECTS (3-0-3)(S). A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formal written, fully documented thesis describing his production and the concept involved. PRE-REQ: PERM/CHMN.
The college of Business at Boise State University is an evolving product of a growing and changing State of Idaho. The College’s overall purpose is to provide a professional education that focuses on the development of competencies that enhance a person’s capacities for informed and socially responsible decision making in both the private and public sectors of our economy. Teaching is recognized as the major responsibility of the faculty. The University setting in the State Capital and population center which does not offer community college opportunities establishes additional and special demands to respond to community needs beyond traditional University education. In all cases, the College of Business is committed to offer high quality programs in business administration. Specific objectives are to:

1. Prepare graduates for entrance level positions in various management and functional areas of business,
2. Prepare graduates for entrance into graduate schools,
3. Provide graduate programs as developed to meet community and regional needs,
4. Within resource limitations, prepare individuals for competencies requiring less than four year courses of study,
5. Offer courses designed to give nonbusiness students an understanding of the free enterprise system and the operation of business firms within the system,
6. Serve the nonstudent population of Idaho by offering management development programs and faculty expertise through consulting and applied research.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration (BBA) degree is available by completing all requirements for that degree as described on page 31 and listed on the following pages under the appropriate major. Additionally, College of Business students may qualify, at their option, for the BA or BS degree by completing the additional Liberal Arts or Science course requirements for those degrees (See pgs 30-31 for BA or BS requirements.) Faculty advisors should be consulted about these additional requirements.

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

Specialized Programs. A special curriculum leading to a two year Associate Degree in Marketing/Mid-Management is available. Within resource limitations, other specialized curricula for skill areas are offered. Most credits earned in these curricula may later be applied toward the Bachelor degree. Students should understand that not all courses taken in these special areas are applicable to all Bachelor degrees. Therefore, graduation may require more than 128 credits.

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

UPPER DIVISION ADMISSION

The College of Business requires admission to upper division standing by petition. This requires all students to meet certain criteria in order to be admitted to upper division standing and therefore allowed to continue in the College of Business at Boise State University.

MINIMUM CRITERIA FOR UPPER DIVISION ADMISSION

1. Admission to Boise State University:
3. Cumulative GPA of at least 2.4.
4. Completion of at least 58 credit hours, including courses in progress for enrollment in 300 and 400 level courses and that several of the Lower Division courses listed above are specific prerequisites for certain Upper Division Courses in the College of Business.

All College of Business Baccalaureate degree candidates are required to complete the courses required for Upper Division admission before enrolling in Upper Division courses in the College of Business.

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

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

- Applied Business Communication AS-328
- Principles of Management MG-301
- Principles of Marketing MK-301
- Principles of Finance FI-303
- Principles of Production Management DS-345

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

DEPARTMENT OF ACCOUNTING

Business Building, Rm. 214

Chairman and Associate Professor: Dr. Gordon Pirrung; Professor: Merz; Associate Professors: Gingras, Medlin, Nix; Assistant Professor: Millier; Special Lecturers: Boyli, Chatwood, Ellis, Ilett, Ruby, Sellers.

MAJORS IN ACCOUNTING

ACCOUNTING PROGRAM
Bachelor of Business Administration Degree

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<td>English Composition E 101-102.............. 3</td>
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<td>Mathematics M 105-106 or M 111-204........... 4</td>
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<td>Core Electives (Area I, II).................. 6</td>
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<td>Non-business electives..................... 3</td>
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| SOPHOMORE YEAR: | Intro to Financial Accounting AC 205........ 3 | - |
| | Intro to Managerial Accounting AC 206........ 3 | 3 |
| | Principles of Economics EC 201-202.......... 3 | 3 |
| | Intro to Information Science IS 210......... 3 | 3 |

Core Courses: The following courses (or permission of the instructor are prerequisites for all Upper Division Accounting courses: AC-205, 206, E-101,102, EC 201-202, DS-207, IS-210, plus M-106 or M-204.

NOTE: Students planning to sit for the uniform CPA examination are strongly advised to include AC-402, 482 and IS-220 in their program.

AC ACCOUNTING

LOWER DIVISION

AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3). Introduction to contemporary Financial Accounting in the business world. The emphasis is on obtaining an understanding of financial statements and preparation and use. Includes the basic terminology, a theoretical framework and the double entry accounting system.

AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3). Introduction to contemporary Managerial Accounting. Study of financial accounting is emphasized. Introduction to the analysis of financial information with tools such as capital budgeting, inventory measurement and control, and the impact of decisions on decision making. PREREQ: AC 205.

UPPER DIVISION

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)/FIS. The course includes problems of valuation and presentation of assets, liabilities and proprietorship items. Analytical accounting problems and preparation of work sheets, financial statements and development of special reports are discussed. Future and present value concepts, current assets and inventories are also included. PREREQ: AC 206.

AC 305 INTERMEDIATE ACCOUNTING II (3-0-3)/FIS. Continuation of AC 304. Operational, fixed and intangible assets are covered. Also covered are: accounting for stockholders' equity, accounting changes, long-term investments in equity securities and price level changes. PREREQ: AC 304.

AC 320 TAX FACTORS IN BUSINESS DECISIONS (3-0-3). Introduction to federal income taxes on business operating and financing decisions. Degree credit not allowed for both AC 320 and AC 401. Offered when possible. PREREQ: AC 205.

AC 351 COST ACCOUNTING (3-0-3)/FIS. Theory of cost accounting and cost control, including job order, process, direct and standard costs, budgeting and breakeven analyses. Emphasis is on cost determination as a tool of management and production control. PREREQ: AC 206.

AC 352 MANAGERIAL ACCOUNTING (3-0-3)/FIS. Development and use of accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, computer applications, and analytical methods such as gross profit, breakeven, and incremental cost analysis. PREREQ: AC 351.

AC 401 PRINCIPLES OF INCOME TAXATION (3-0-3)/FIS. Theory and application of federal income taxes to individuals, including an introduction to F.I.C.A., unemployment taxes, and state income taxes. Degree credit not allowed for both AC 320 and AC 401. PREREQ: AC 305.

AC 402 ADVANCED INCOME TAXATION (3-0-3). Theory and application of the federal income tax to corporations organized for profit, and an introduction to partnership, trust and estate, and gift taxation. PREREQ: AC 306, AC 401.

Statistical Techniques I DS 207 ....... 3
Legal Environment of Business GB 202 ........ 3
Non-business Electives ........ 4
Core Elective (Area III) ........ 4

Total 17 18

JUNIOR YEAR

Intermediate Accounting I, II AC 304-306 .... 3 3
Cost Accounting AC 351 .................. 3
Managerial Accounting AC 352 .......... 3
Intermediate Microeconomics EC 303 ................. 3
Applied Business Communication AS 328 .......... 3
Principles of Marketing MK 301 .......... 3
Principles of Finance FI 303 .......... 3
Management & Organizational Theory MG 301 .......... 3
Principles of Production Management DS 345 .......... 3

Total 15 15

SENIOR YEAR:

Principles of Income Taxation AC 401 ........ 3
Advanced Accounting I, II AC 460-470 ........ 3 3
Auditing AC 405 .................. 3
Commercial Law GB 302 .......... 3
Organizational Behavior MG 401 .......... 3
Business Policies GB 450 .......... 3
General Electives ........ 3 7

Total 15 16

In addition to general University requirements, the following courses are required for an Accounting major:


Core Courses: The following courses (or permission of the instructor are prerequisites for all Upper Division Accounting courses: AC-205, 206, E-101, 102, EC 201-202, DS-207, IS-210, plus M-106 or M-204.

NOTE: Students planning to sit for the uniform CPA examination are strongly advised to include AC-402, 482 and IS-220 in their program.

COURSE OFFERINGS
AC 405 AUDITING (3-0-3)(F/S). Study of the scope and purpose of the accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the SEC; approach to an audit report. PREREQ: AC 306.

AC 420 SYSTEMS ANALYSIS AND DESIGN (3-0-3). Concepts and techniques of design of information systems. Topics include systems theory, data collection, classification, transmission and display, on-line systems and time sharing. Credit may not be earned for both IS 420 and AC 420. Offered when possible. PREREQ: AC 306.

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

AC 450 DATA PROCESSING FOR THE ACCOUNTANT (3-0-3). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer is used as the problem solving tool. Offered when possible. PREREQ: AC 405.

AC 460 ADVANCED ACCOUNTING I (3-0-3)(F). Study of partnership organization, business combinations and consolidated financial statements; international accounting standards. PREREQ: AC 450. First offering of this course will be in Fall semester 1985.

AC 470 ADVANCED ACCOUNTING II (3-0-3)(F/S). Study of the more complex accounting principles and procedures taught on the undergraduate level. Designed to assist the student in preparing for the certified public accountant examination. PREREQ: AC 450, AC 460. PERM/INST.

DEPARTMENT OF ECONOMICS

Business Building, Room 311 Phone (208) 385-3351
Chairman and Professor: Dr. Richard D. Payne; Professors: Asmus, Billings, Lamborn; Associate Professors: Draayer, Lichtenstein, Reynolds; Assistant Professors: Dalton, McGrath, Skoro.

Majors in:
ECONOMICS
REAL ESTATE

ECONOMICS MAJOR
Bachelor of Arts Degree

FRESHMAN YEAR:

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<th>Course</th>
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<td>History</td>
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SOPHOMORE YEAR:

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<td>Introt to Information Science IS 210</td>
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<td>Introt to Managerial Accounting AC 206</td>
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JUNIOR YEAR:

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<td>Intermediate Macroeconomics EC 305</td>
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<td>Principles of Finance FI 303</td>
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SENIOR YEAR:

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* See page 33-31 for clarification of fields in BA degree
** Electives should be chosen mainly from Upper Division courses.

ECONOMICS MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR:

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<tr>
<th>Course</th>
<th>1st SEM</th>
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<td>English Composition E 101-102</td>
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SOPHOMORE YEAR:

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<td>Legal Environment of Business GB 202</td>
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<td>Statistical Techniques I, II DS 207-208</td>
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JUNIOR YEAR:

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<td>Management Organizational Theory MG 301</td>
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<td>Principles of Finance FI 303</td>
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<td>Principles of Marketing MK 301</td>
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SENIOR YEAR:

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<td>Organizational Behavior MG 401</td>
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<td>Business Policies GB 450</td>
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* Must include hours in at least 2 of 3 definitive areas as listed on page 32, 33 of the Catalog.

ECONOMICS — SOCIAL SCIENCE
SECONDARY EDUCATION OPTION

Each academic department in the Social Sciences (History; Political Science; Sociology, Anthropology & Criminal Justice; 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 2 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 music must be earned in one or more of the minor areas (see page 99 of the Catalog.)

DEGREE REQUIREMENTS

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

1. General University and Basic Core Requirements as listed on pages 29-30 of the catalog.
2. Two approved teaching minors (15 hours each) from:
   a. History
   b. Political Science
   c. Anthropology
   d. Sociology
   e. Geography
3. Economics Courses — 30 hours
   Required Courses EC 201, 202, 303, 305 — 12 hours
   Other Economics Courses — 18 hours
4. Intro to Financial Accounting AC 205 — 3 hours.
5. Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education — 25 or 30 hours (See Teacher Education Section, page 98 for course listings.).
COLLEGE OF BUSINESS

6. Sufficient electives to complete a total of 128 credit hours of which 40 must be Upper Division.

ECONOMICS MINOR ENDORSEMENT (15 of 30-15-15)
Required Courses EC 201,202,303,305 .......................... 12
Upper Division Economics Courses ............................ 3
Total 15

ECONOMICS MINOR ENDORSEMENT (General)
(For Secondary Education majors NOT participating in the 30-15-15 program)
 Required Courses EC 201,202,303,305 .......................... 12
Upper Division Economics Courses ............................ 9
Total 21

REAL ESTATE MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR:
Bachelor of Business Administration Degree

Upper Division Economics Courses ............................ 3
Total 15

SOPHOMORE YEAR:
Science Elective ................................. 3
Intro to Financial Accounting AC 205 .......................... 3
Intro to Managerial Accounting AC 206 .......................... 3
Principles of Economics EC 201-202 .......................... 3
Intro to Information Science IS 210 .......................... 3
Law of Real Estate RE 220 .......................... 3
Statistical Techniques I DS 207 .......................... 3
General Electives (Areas I,II,III) .......................... 4
Totals 16

JUNIOR YEAR:
Intermediate Microeconomics EC 303 .......................... 3
Regional Economics EC 321 .......................... 3
Principles of Marketing MK 301 .......................... 3
Management & Organizational Theory MG 301 .......................... 3
Principles of Finance FI 303 .......................... 3
Real Estate Finance RE 360 .......................... 3
Appraisal of Real Estate RE 331 .......................... 3
Business Ethics and Social Responsibility GB 360 .......................... 3
General Electives (Area I,II,III) .......................... 3
General Electives .......................... 3
Applied Business Communications AS 328 .......................... 3
Totals 16

SENIOR YEAR:
Organizational Behavior MG 401 .......................... 3
Principles of Production Management DS 345 .......................... 3
Real Estate Investment and Taxation RE 340 .......................... 3
Business Policies GB 450 .......................... 3
*Major Elective .......................... 6
General Electives (Area I,II,III) .......................... 3
*General Electives .......................... 3
Totals 15

* Real Estate Electives: Real Estate Development, RE 370; Appraisal Income Property, RE 431; Principles of Income Tax, AC 401; Brokerage Management RE 450; Property Management RE 350; Money and Banking EC 301.

COURSE OFFERINGS

EC ECONOMICS

Lower Division

EC 201 PRINCIPLES OF ECONOMICS-MACRO (3-0-3)(Area II). Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, inflation, balance of payments and the growth of the economy are discussed. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202.) PREREQ: none.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3)(F/S). A one semester introduction to economic issues centered around selected contemporary economic problems. PREREQ: none.

EC 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing real estate transactions. *Prerequisites: Knowledge of real estate transactions, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: GB 202 and RE 201.

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

EC 203 INTERMEDIATE MICROECONOMICS (3-0-3). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The concepts developed in this course are extended to the analysis of social problems and managerial decisions is stressed. PREREQ: EC 202.

EC 205 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3). Application of economic principles to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy are discussed. PREREQ: none.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3)(F/S). A one semester introduction to economic issues centered around selected contemporary economic problems. PREREQ: none.

EC 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing real estate transactions. *Prerequisites: Knowledge of real estate transactions, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: GB 202 and RE 201.

EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking, Study of monetary theory and monetary policy as they affect both domestic and international economic policies. PREREQ: EC 201, EC 202.

EC 303 INTERMEDIATE MICROECONOMICS (3-0-3). Analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The concepts developed in this course are extended to the analysis of social problems and managerial decisions is stressed. PREREQ: EC 202.

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

EC 310 PUBLIC FINANCE (3-0-3)(S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local public policy. PREREQ: EC 201, 202, or PERMITINST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origin and development of economic theories that have influenced western civilization. Special attention will be paid to the period since 1750. PREREQ: EC 201-202.

EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3)(S). A comparative study of the goals and methods of various economic systems such as capitalism, socialism and communism. The study will be approached from both a theoretical and practical point of view. PREREQ: EC 201 or PERMITINST.

EC 317 INTERNATIONAL ECONOMICS (3-0-3)(S). The benefits and pattern of world trade and investment; transfers, 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 analysis of international payments adjustment and the nature and institutions of international monetary systems. PREREQ: EC 201, 202.

EC 321 REGIONAL ECONOMICS (3-0-3)(F). Application of economic analysis to regional problems of structure, growth and policy. Location theory, various growth models, and the techniques that underlie such input-output analysis, base multiplier and cost-benefit analysis are developed. PREREQ: EC 201-202.

EC 322 URBAN ECONOMICS (3-0-3)(S). Focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. PREREQ: EC 201,202 or PERMITINST.

EC 325 RADICAL ECONOMICS (3-0-3)(F). Analysis of radical political-economic thought and its applications to the study of socio-economic problems. Topics include Marxist socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. PREREQ: Upper division or PERMITINST.

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

EC 328 NATURAL RESOURCE ECONOMICS (3-0-3). The theoretical and policy issues associated with the use of natural resources are addressed, including property rights issues which arise when considering collective goods, externalities and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 202.

EC 350 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policies are discussed. PREREQ: EC 350. Alternate year.

EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)(S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 201, 202 or PERMITINST. Alternate year.

EC 428-429, 429G-430G ECONOMETRICS (3-0-3). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. PREREQ: M 106 or equivalent and DS 207-208. May be taken for graduate credit. EC 429G-Fall; EC 430G-Spring. (EC 421 is PREREQ for EC 422.)

RE REAL ESTATE

Lower Division

RE 201 FUNDAMENTALS OF REAL ESTATE (3-0-3)(F/S). Essentials of real estate practice, listings, sales, financing, land descriptions, investments, brokerage, advertising, market analysis, and fundamentals arising from real estate transactions. This course meets the current minimum 45 hour classroom education requirement of the State of Idaho to take the RE sales examination.

RE 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: GB 202 and RE 201.
JUNIOR YEAR:
- Principles of Marketing MK 301 .................................................. 3
- Management & Organizational Theory MG 301 ................................. 3
- Principles of Finance FI 303 ............................................................. 3
- Intermediate Microeconomics EC 303 .............................................. 3
- Money and Banking EC 301 .............................................................. 3
- Financial Management I FI 325 ...................................................... 3
- *Major Electives ............................................................................... 3
- General Electives (Area I, II, III) ....................................................... 3
- Principles of Production Management DS 345 .................................... 3
- Business Communications AS 328 .................................................... 3

Total .............................................................................................. 15 17

SENIOR YEAR:
- Management of Financial Institutions FI 417 ...................................... 3
- Senior Seminar in Finance FI 498 ...................................................... 3
- Investment Management FI 450 ....................................................... 3
- Organizational Behavior MG 401 ...................................................... 3
- Financial Management II FI 326 ..................................................... 3
- Business Ethics & Social Responsibility GB 360 ................................. 3
- Business Policies GB 450 ................................................................. 3
- *Major Electives ............................................................................... 3
- General Electives ............................................................................ 3
- Electives (Area I, II, III) ................................................................. 3

Total .............................................................................................. 15 17

*Finance Electives: Intermediate and/or Managerial and Cost Accounting AC 304, 305, 351, 352; International Economics EC 317; Real Estate Finance RE 360; Senior Seminar in Finance FI 498—one required, second recommended; Public Finance EC 310.

INFORMATION SCIENCE MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR: ........................................................................ 1st SEM 2nd SEM
- English Composition E 101-102 ....................................................... 3 3
- Mathematics M 105-106 or M 111-204 ............................................. 4 4
- General Electives (Area I, II, III) ..................................................... 9 9

Total ............................................................................................ 16 16

SOPHOMORE YEAR: ..................................................................... 1st SEM 2nd SEM
- Principles of Economics EC 201-202 .............................................. 3 3
- Intro to Financial Accounting AC 205 ............................................ 3 3
- Intro to Managerial Accounting AC 206 ........................................ 3 3
- Statistical Techniques I DS 207 ...................................................... 3 3
- Intro to Information Sciences IS 210 .............................................. 3 3
- Programming Techniques IS 220 ................................................ 3 3
- Legal Environment of Business GB 202 ........................................ 3 3
- General Electives (Area I, II, III) .................................................... 3 3

Total ............................................................................................ 16 16

JUNIOR YEAR: .............................................................................. 1st SEM 2nd SEM
- Cost Accounting AC 351 ............................................................... 3 3
- Statistical Techniques II DS 208 .................................................... 3 3
- Management & Organizational Theory MG 301 ......................... 3 3
- Principles of Finance FI 303 ......................................................... 3 3
- Programming Systems - COBOL I, II IS 360,370 ............................ 3 3
- Principles of Marketing MK 301 .................................................. 3 3
- Business Communications AS 328 .............................................. 3 3
- Principles of Production Management DS 345 ......................... 3 3
- Intermediate Microeconomics EC 303 .......................................... 3 3
- Upper Division Economics Elective .............................................. 3 3

Total ............................................................................................ 15 16

SENIOR YEAR: ............................................................................. 1st SEM 2nd SEM
- Organizational Behavior MG 401 ................................................... 3 3
- Data Base Applications IS 405 ....................................................... 3 3
- Quantitative Analysis for Business Decisions DS 366 .................. 3 3
- Systems Analysis IS 420 ............................................................... 3 3
- Software Design IS 430 ............................................................... 3 3
- Business Policies GB 450 ............................................................ 3 3
- General Electives (Area I, II, III) ................................................... 3 6
- Electives - Any area ................................................................. 4 3

Total ............................................................................................ 16 15
## Production Management Major
Bachelor of Business Administration Degree

### Freshman Year:

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<td>Physics I PH 220</td>
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<td>Business Ethics and Social Responsibility GB 360</td>
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<td>Business Policies GB 450</td>
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**Quantitative Management Major**
Bachelor of Business Administration Degree

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## Course Offerings

### DS Decision Science

**Lower Division**

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<td>DS 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3)(FS)</td>
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**Upper Division**

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<th>Course</th>
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<tr>
<td>DS 345 PRINCIPLES OF PRODUCTION MANAGEMENT 3-0-3(F)</td>
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<td>DS 366 QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS 3-0-3(F)</td>
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<td>DS 407-408-408 OPERATIONS MANAGEMENT 3-0-3(F)</td>
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**FI Finance**

**Lower Division**

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<th>Course</th>
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<tr>
<td>FI 108 PERSONAL FINANCE 3-0-3(F)</td>
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**FI 212 PRINCIPLES OF INSURANCE 3-0-3(F) | 3       | 3       |

**FI 250 INTRODUCTION TO SECTORIES & SECURITIES MARKETS 3-0-3(F) | 3       | 3       |
Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3(FS). Concepts and techniques of major areas of corporate, institutional, and investment finance, and their interrelationships. Overview of monetary policy by federal reserve, study of US financial system, financial decision-making problems focusing on internal allocation of funds, financing asset needs and securities. PREREQ: AC 205, AC 206, EC 201, 202, and M 106.

FI 325 FINANCIAL MANAGEMENT I (3-0-3(FS). 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. Instructional methods include the analysis of financial cases and financial modeling. PREREQ: FI 303, and DS 208.

FI 326 FINANCIAL MANAGEMENT II (3-0-3(S). Critical analysis of different sources of funds, dividend policies, and capital markets. Special topics include refinancing debt, social responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement text. PREREQ: FI 325.

FI 417-417G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3(F). Decision processes in the management of financial institutions. Institutions include banks, thrifts, insurance companies, investment firms, mortgage banking firms, finance companies and organizations involved in international finance. PREREQ: FI 322, EC 301.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3(S). Strategies of investing in stocks, bonds, commodities, and stock options. Topics include risk-return relationships of various investments, efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. PREREQ: DS 208, FI 205, and FI 303.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor.

IS INFORMATION SCIENCE

Lower Division

IS 210 INTRODUCTION TO INFORMATION SCIENCE (3-0-3(FS). An overview of computer information systems. This survey course introduces computer hardware, software, procedures, and systems, and explores their integration and application in business and in other segments of society. The fundamentals of computer problem solving and programming in a high-level programming language are discussed and applied.

IS 220 PROGRAMMING TECHNIQUES (3-0-3(FS). An introduction to computer programming in a business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation, and documentation of common business-oriented applications using BASIC. Discussion and application of top-down design strategies and structured programming techniques. PREREQ: IS 210.

Upper Division

IS 360 PROGRAMMING SYSTEMS - COBOL I (3-0-3(FS). An introduction to COBOL programming in a business environment. Emphasis on the further application of structured design, implementation, and documentation of business-oriented applications. Coverage of language syntax, data and file structures, report generation, input editing, table processing, and sequential file creation and access. PREREQ: IS 210.

IS 370 PROGRAMMING SYSTEMS - COBOL II (3-0-3(S). A continuation of IS 360. Emphasis on structured methodology of program design, implementation, and documentation of business-oriented applications. Includes coverage of sequential and random access files. Processing techniques and development of programs and systems of programs for batch and interactive environments using advanced features. PREREQ: IS 360.

IS 405 DATA BASE APPLICATIONS (3-0-3(FS). Introduction to application program development in a database environment with an emphasis on designing, developing, and managing and using the database using a host language (COBOL). Discussion and applications of data files, structured application development and database management systems. PREREQ: IS 370.

IS 420 SYSTEMS ANALYSIS AND DESIGN (3-0-3(FS). Study of structured systems development. Emphasis on strategies and techniques of structured analysis and design to produce a logical methodology for dealing with complexity in the development of information systems; and to produce systems specifications and test plans for developing and implementing information systems that satisfy user requirements. PREREQ: IS 370.

IS 430 SOFTWARE DESIGN (3-0-3(S). Application of computer programming and system development concepts, principles, and practices to a comprehensive system development project. A team approach is used to analyze, design, and document realistic systems of moderate complexity. Use of project management methods, scheduling and control techniques, formal presentations and group dynamics. PREREQ: IS 420.

SCHOOL OF BUSINESS

GENERAL BUSINESS MAJOR

Bachelor of Business Administration Degree

FRESHMAN YEAR:

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<td>PS 111</td>
<td>Fundamentals of Speech Communication</td>
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<td>PS 112</td>
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Totsals: 15

SOPHOMORE YEAR:

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JUNIOR YEAR:

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<td>Financial Management</td>
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Totsals: 15

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Totsals: 15

MANAGEMENT MAJOR

AVIATION OPTION

Bachelor of Business Administration Degree

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<td>113-206</td>
<td>Science Elective</td>
<td>3</td>
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<tr>
<td>114-207</td>
<td>General Electives (Area I,II,III)</td>
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</tbody>
</table>

Totsals: 16

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECON 211-212</td>
<td>Principles of Economics</td>
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<tr>
<td>FIN 301</td>
<td>Fundamentals of Managerial Accounting</td>
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<td>FIN 302</td>
<td>Introductory and Managerial Accounting</td>
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<tr>
<td>207-208</td>
<td>Financial Institutions</td>
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<tr>
<td>209-210</td>
<td>Legal Environment of Business</td>
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</tr>
</tbody>
</table>

Totsals: 16

DEPARTMENT OF MANAGEMENT

Business Building, Room 313
Phone (208) 385-1313
Chairman and Professor: Dr. Stuart L. Tubbs; Professors: Phillips, Roderick, White, Wittering; Associate Professors: Bigelow, Doss, Glenn, Kettelwell, Munson, Shinn, Waldorf; Assistant Professors: Bixby, Hall, Heaton.

Majors in: GENERAL BUSINESS MANAGEMENT (Options in Aviation, Behavioral, and Industrial Relations.)
## College of Business

### General Electives (Area I,II,III) 3
### Introduction to Aeronautics AV 101 3
### Totals 15

### JUNIOR YEAR:
- Principles of Marketing MK 301 3
- Management & Organizational Theory MG 301 3
- Intermediate Microeconomics EC 303 3
- Principles of Finance FI 303 3
- Intermediate Macroeconomics EC 305 3
- Principles of Transportation GB 325 3
- Principles of Production Management DS 345 3
- Statistical Techniques II DS 208 3
- Business Communications AS 328 3
- General Electives (Area I,II,III) 3
- General Electives 4
### Totals 18

### SENIOR YEAR:
- Airport Management AV 331 3
- Airline-Aircargo Management AV 351 3
- Aviation Law AV 371 3
- Business Ethics and Social Responsibility GB 360 3
- Organizational Behavior MG 401 3
- Government and Business GB 441 3
- Business Policies GB 450 3
- General Electives (Area I,II,III) 3
- General Electives 4
### Totals 16

### MANAGEMENT MAJOR
#### BEHAVIORAL OPTION
Bachelor of Business Administration Degree

<table>
<thead>
<tr>
<th>1st</th>
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#### FRESHMAN YEAR:
- English Composition E 101-102 3
- Fundamentals of Speech Comm (Area II) CM 111 3
- General Psychology (Area II) P 101 3
- Mathematics (Area III) M 105-106 or M 111-204 4
- Electives (Area I) 3
- Science Elective 3
- General Electives (Area I,II,III) 3
### Totals 16

#### SOPHOMORE YEAR:
- Principles of Economics (Area II) EC 201-202 3
- Intro Financial & Managerial Acct AC 205-206 3
- Statistical Techniques I DS 207 3
- Intro to Information Science IS 210 3
- Legal Environment of Business GB 202 3
- General Electives (Area I,II,III) 3
### Totals 17

#### JUNIOR YEAR:
- Principles of Marketing MK 301 3
- Management & Organizational Theory MG 301 3
- Principles of Finance FI 303 3
- Intermediate Microeconomics EC 303 3
- Intermediate Macroeconomics EC 305 3
- Personnel Administration MG 305 3
- Business Policies GB 450 3
- General Electives (Area I,II,III) 3
- Technical Writing E 202 3
### Totals 15

#### SENIOR YEAR:
- Compensation Management MG 406 3
- Labor Law MG 330 3
- Government and Business GB 441 3
- Principles of Production Management DS 345 3
- Organizational Behavior MG 401 3
- Collective Bargaining MG 415 3
- Business Policies GB 450 3
- General Electives 3
### Totals 16

### COURSE OFFERINGS
#### AV AVIATION MANAGEMENT

**Lower Division**

**AV 101 INTRODUCTION TO AERONAUTICS** (3-0-3) Survey of basic aerodynamics, meteorology, navigation and Federal Aviation Agency regulations. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. At the conclusion of the course, the student may take the FAA Private Pilot examination. **AV 201 COMMERCIAL PILOT GROUND SCHOOL** (3-0-3) Study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. **AV 205 INTRODUCTION TO AVIATION MANAGEMENT** (3-0-3) Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

**Upper Division**

**AV 331 AIRPORT MANAGEMENT** (3-0-3) 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. **PREREQ**: AC 205.
MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Special attention is devoted to public sector bargaining. PREREQ: MG 340, 330, or PERMINST.

DEPARTMENT OF MARKETING AND ADMINISTRATIVE SERVICES

Business Building, Room 306
Phone (208) 365-3366

Chairman and Associate Professor: Dr. Douglas J. Lincoln, Professors: Clark, Cornwell, Knowlton, Mansfield, Scudder; Associate Professors: Bounds, Lane, McCain; Assistant Professor: Riffie, Warberg.

Majors in:
ADMINISTRATIVE SERVICES
(Formerly Office Administration - includes Business Education)

MARKETING

MARKETING-MID-MANAGEMENT
(2 year degree)

ADMINISTRATIVE SERVICES MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>General Psychology (Area II) P 101</td>
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<tr>
<td>Principles of Economics EC 201-202</td>
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<tr>
<td>Electives (Area I)</td>
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<tr>
<td>Fundamentals of Speech Comm</td>
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<td>1</td>
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<tr>
<td>(Area II) CM 111</td>
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SOPHOMORE YEAR:

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<tr>
<td>Principles of Word Processing Applications AS 215</td>
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<td>Statistical Techniques I DS 207</td>
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<td>Introduction to Information Science IS 210</td>
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<tr>
<td>Legal Environment of Business GB 202</td>
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JUNIOR YEAR:

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<tr>
<td>Electives (from 2 of 3 Areas)</td>
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<tr>
<td>Business Communication AS 328</td>
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<td>Management &amp; Organizational Theory MG 301</td>
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<td>Principles of Finance FI 303</td>
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<tr>
<td>Technical Writing for Business AS 338</td>
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<td>3</td>
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<tr>
<td>Principles of Word Processing AS 315</td>
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<tr>
<td>Principles of Production Management</td>
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<td>3</td>
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SENIOR YEAR:

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<tr>
<td>Administrative Office Procedures AS 310</td>
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<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>Organizational Behavior MG 401</td>
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<tr>
<td>Business Policies GB 450</td>
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<tr>
<td>Economics Elective (Upper Division)</td>
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<tr>
<td>Internship AS 493</td>
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<tr>
<td>Electives</td>
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83
FRESHMAN YEAR:

- English Composition E 101-102 ............... 3
- Typing II or Typing III OF 103 or OF 104 .... 4
- General Psychology (Area II) P 101 .......... 3
- Mathematics (Area III) M 105-106 .......... 4
- Electives (Area I) ....................... 3
- Electives (must be from 2 of 3 Areas) ....... 3
  **Totals** .................................. 17

SOPHOMORE YEAR:

- Introduction to Financial Accounting AC 205 . 3
- Introduction to Managerial Accounting AC 206 . 3
- Principles of Economics (Area II) EC 201-202 . 3
- Foundations of Education TE 201 ............... 3
- Statistical Techniques I DS 207 ............... 3
- Legal Environment of Business GB 202 ....... 3
- Introduction to Information Science IS 210 ... 3
- Electives (Area III) .......................... 4
- Records Management AS 309 ................. 3
- Word Processing Applications AS 215 .......... 3
  **Totals** .................................. 16

JUNIOR YEAR:

- Principles of Income Taxation AC 401 ......... 3
- Principles of Marketing MK 301 .............. 3
- Secondary School Methods TE 381 .......... 3
- Management & Organizational Theory MG 301 . 3
- Principles of Finance FI 303 ................. 3
- Principles of Word Processing AS 315 ....... 3
- Business Communication AS 328 .............. 3
- Technical Writing for Business AS 338 ....... 3
- Administrative Office Procedures AS 310 .... 3
- Office Management AS 317 ................... 3
- Principles of Production Management DS 345 . 3
- Money and Banking EC 301 ................... 3
  **Totals** .................................. 16

SENIOR YEAR:

- Upper Division Economics ........................ 3
- Business Policies GB 450 ...................... 3
- Methods in Business Education BE 401 ...... 3
- Business Curriculum and Methods BE 421 ... 3
- Speech Communication for Teachers CM 311 . 3
- Educational Psychology P 325 ................. 3
- Business Student Teaching BE 471 .......... 3
- Reading in the Content Subjects TE 307 .... 3
  **Totals** .................................. 15

**Distributive Education Certification**

Students planning to teach in distributive education will take: MM 101, MM 204, BE 409, BE 441 and BE 443 instead of AC 401, AS 215, AS 310 or AS 317, and upper division economics elective.

**Shorthand Certification**

Students who wish to become certified to teach shorthand and office occupations subjects will be required to take intermediate and advanced shorthand instead of AC 401, EC 301 and upper division economics elective.

**Internship**

Business Education students who do not have relevant work experience must complete an internship.

**MARKETING MAJOR**

Bachelor of Business Administration Degree

FRESHMAN YEAR:

- English Composition E 101-102 ............... 3
- *General Psychology P 101 ................... 3
  **Electives (Area I) ....................... 3
  **Electives ................................ 3
  **Fundamentals of Speech Comm (Area II) CM 111 . 3
- *Introduction to Sociology SO 101 .......... 3
  **Totals** .................................. 16

SOPHOMORE YEAR:

- Principles of Marketing MK 301 .............. 3
- Intermediate Microeconomics EC 303 ......... 3
- Management & Organizational Theory MG 301 . 3
- Principles of Finance FI 303 ................. 3
- Consumer Behavior MK 307 .................. 3
- Marketing Electives.......................... 4
- **Electives ................................ 3
- Intermediate Marketing Management MK 320 . 3
- Principles of Production Management DS 345 . 3
- Business Communication AS 328 .............. 3
  **Totals** .................................. 15

JUNIOR YEAR:

- Principles of Marketing MK 425 .............. 3
- Marketing Electives ......................... 6
- Business Policies GB 450 .................... 3
- Marketing Research MK 415 .................. 3
- **Electives ................................ 5
- Economics Electives (Upper Division) ....... 3
  **Totals** .................................. 15

SENIOR YEAR:

- Introduction to Managerial Accounting AC 205 . 3
- Principles of Economics-Macro EC 201 ....... 3
- Mid-Management Practicum MM 100 .......... 2
- Elements of Management MM 105 ............. 3
- Fundamentals of Speech Communication CM 111 . 3
  **Totals** .................................. 17

**MARKETING—MID-MANAGEMENT MAJOR**

Associate of Science Degree

FRESHMAN YEAR:

- English Composition E 101-102 ............... 3
- Introduction to Business GB 101 ............. 3
- Math or Information/Decision Science ....... 4
- Salesmanship MM 101 ........................ 3
- Introduction to Financial Accounting AC 205 . 3
- Principles of Economics-Macro EC 201 ....... 3
- Mid-Management Practicum MM 100 .......... 2
- Elements of Management MM 105 ............. 3
- Fundamentals of Speech Communication CM 111 . 3
  **Totals** .................................. 17

SOPHOMORE YEAR:

- Consumer Marketing MM 201 .................. 3
- Principles of Economics-Macro EC 202 ....... 3
- Principles of Advertising MM 203 .......... 3
- Report Writing MM 205 ....................... 3
- Supervision of Personnel MM 206 .......... 3
- Retail Merchandising MM 204 ................. 3
- General Psychology P 101 ................... 3
- Mid-Management Practicum MM 100 .......... 2
- Electives ................................... 5
  **Totals** .................................. 16

*For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing and Administrative Services.*
AS 213 WORD PROCESSING/MACHINE TRANSCRIPTION (3-0-2)(F/S). 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. PREREQ: OF 104 (Typing II).


Upper Division

AS 309 RECORDS MANAGEMENT (3-0-3)(F). Creation, processing, maintenance, protection and destruction of business records. These topics will be covered 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.

AS 310 PRINCIPLES OF ADMINISTRATIVE SERVICES (3-0-3)(S). Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them.

AS 315 PRINCIPLES OF WORD PROCESSING (3-0-3)(F). Principles of computerized word processing. Feasibility studies, organization and structure, input-output equipment, personnel and training, measurement and control and reprographics. Communications within and outside the organization using computers.

AS 317 OFFICE MANAGEMENT (3-0-3)(F). Introduction to the area of information management. Functions of office management include areas such as production, environmental analysis, systems analysis and personnel administration.

AS 328 BUSINESS COMMUNICATION (3-0-3)(F/S). The effectiveness and correctness of writing and the psychology of letter writing will be stressed through the preparation of a variety of business messages. Specific memorandum and letter problems will be used in conjunction with various cases to provide students with realistic opportunities to develop writing skills necessary for entry-level performance. PREREQ: E 102.

AS 338 TECHNICAL WRITING FOR BUSINESS (3-0-3)(F). A study and application of the principles and logic of effective writing in the preparation of business reports and technical papers. Specific as well as general instruction in the gathering and interpreting of data, organizing of information, and writing of the final report. The case study approach will be used. PREREQ: AS 328.

BE BUSINESS EDUCATION

Upper Division

BE 401 METHODS IN BUSINESS EDUCATION (3-0-3)(F). Methods and materials of instruction in business subjects at the secondary and post-secondary levels. Methods of teaching the adult business. Application of principles of learning and teaching to business education. Must be taken prior to student teaching.

BE 409 METHODS AND MATERIALS IN DISTRIBUTIVE EDUCATION (2-0-2)(F). Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Organization and administration of vocational student groups.

BE 411 CONSUMER EDUCATION IN THE SCHOOLS (3-0-3)(S). For students preparing to teach consumer related topics. To introduce prospective teachers to teaching methodology appropriate to Consumer Education. Learning materials and resources will be identified and reviewed. PREREQ: Senior level or PERMINT.

BE 421 BUSINESS CURRICULUM AND METHODS SEMINAR (3-0-3)(S). Coverage of current issues and methods in business education, curriculum, research, vocational guidance, and the handicapped student. Includes counselling responsibilities, curriculum development, teaching the disadvantaged and handicapped, and modifying vocational programs for students with special needs. Individual research and presentation emphasized.

BE 441-441G PRINCIPLES AND ORGANIZATION OF VOCATIONAL EDUCATION PROGRAMS—JOB ANALYSIS (3-0-3)(F). Philosophy, history, purpose and organization of Vocational Education programs. Occupational analysis to include nature and use of vocational information, labor force opportunities, job values, job analysis, job descriptions, and job requirements.

BE 443-443G ADMINISTRATION AND COORDINATION OF COOPERATIVE PROGRAMS (3-0-3)(S). Selection, guidance, placement, superv and follow-up of students in training stations. Responsibilities of good public relations, organization, maintenance, and utilization of advisory committees. Vocational youth groups, including philosophy, establishment, leadership, es, financing, activities, and contests.
COlLEGE OF EDUCATION

PHILOSOPHY

The faculty of the College of Education represents diverse and dynamic backgrounds and serves students from an extended community reaching far beyond the boundaries of Idaho. The faculty addresses this extended community in varied functions both on and off campus. The work of the faculty reflects an active appreciation for development of the whole person and includes attention to the intellectual, physical, social and emotional needs of students. A key precept underlying all activities is the promotion of learning as a lifelong activity.

Course work is offered in both professional and academic areas. The academic course work is designed to acquaint students with historical, philosophical, and theoretical aspects of Education and Psychology and to help them appreciate and use scientific thinking as a tool for viewing human behavior in a more sophisticated and effective manner. Professional course work and experiences are directed primarily toward the mastery of skills needed by teachers in the elementary and secondary schools.

COORDINATION OF PROGRAMS IN TEACHER EDUCATION

Teacher Education programs at Boise State University are interdisciplinary in nature; hence, coordination of programs is essential. The development and operation of individual programs is the specific responsibility of the appropriate department with the College of Education serving as the overall controlling organization. Within this pattern of administration the Council for Coordination of Teacher Education Program 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 following-up of graduates and to assess needs for Teacher Education. Membership for the Council comes from the departments associated with the Teacher Education program.

COUNSELING AND TESTING SERVICES

The Counseling and Testing Center is designed to help BSU students who have personal, educational, vocational and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student's concerns. This service is based on the premise that many normal individuals have, at times, problems they cannot resolve alone. The student may concentrate on a specific problem or may work on general adjustment to academic life. Psychological and occupational tests may be used for self-evaluation and information.

Any half-time (6 credits or more) or full-time student is eligible for counseling or testing. Appointments may be made by phone, extension 1601, or in person at the Counseling and Testing Center, 6th floor, Education Building.
DEPARTMENT OF
HEALTH, PHYSICAL
EDUCATION AND
RECREATION

Gymnasium, Room 209 Phone (208) 385-1570
Chairman and Professor: Dr. Bill C. Bowman; Professors: Button, Smith; Associate Professor: Lewis, Murray, Vaughn; Assistant Professors: P. Bowman, Boyles, Connor, Fahleson, Pfeiffer, Spitzer, Wallace, Young.

UNDERGRADUATE PROFESSIONAL PREPARATION PROGRAM LEADING TO A BACHELOR OF SCIENCE DEGREE IN PHYSICAL EDUCATION

1. Physical Education Options—major degree programs
   a. Secondary Education Option - for those who wish to qualify for teacher certification.
   b. Non-Teaching Option - for those who wish to prepare for physical education related careers which do not require teacher certification.

2. Supporting Fields—Broad divisions within the total professional preparation program.
   a. School Physical Education—Areas of emphasis generally related to public school physical education instruction.
   b. Sport Science—Areas of emphasis generally related to organized sport and recreational athletics.
   c. Commercial/Industrial Physical Education—Areas of emphasis generally related to private - commercial or industrial physical education related professions.

3. Areas of Emphasis—Areas with major curriculum requirements in addition to a common core.
   a. Physical Education Grades K-6 — For those who wish to become elementary physical education specialists.
   b. Physical Education Grades 7-12 — For those who wish to become junior/senior physical education specialists.
   c. Health Education — For those physical education majors who wish to develop an understanding of the biological bases of human movement; for coaching, research or preparation for graduate school.
   d. Corrective/Adaptive Physical Education — For those who wish to develop an understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
   e. Athletic Coaching — For those who wish to develop an understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
   f. Athletic Training — For those who wish to prepare for National Athletic Trainers Association Certification Exam.
   g. Biomechanics — For those who wish to develop an understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
   h. Exercise Physiology — For those who wish to develop an understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
   i. Sport Communication — For those who wish to prepare for employment as sports information directors, sports broadcasting, etc.
   j. Commercial Fitness — For those who wish to prepare as fitness experts in commercial fitness centers.
   k. Industrial Fitness — For those who wish to develop and implement total fitness programs connected with industrial companies and corporations.
   l. Business — For those who wish to prepare for an organizational or administrative position in a physical education related field.

4. Minor Field of Interest — Areas related to some areas of emphasis in such a way that specific courses may be identified to help prepare the graduate for a specific job such as:
   Strength coach, audio-visual technician in sports; equipment technician; physical education in correctional institutions; physical education for the elderly, socially deviant, etc.

BACHELOR OF SCIENCE DEGREE
PHYSICAL EDUCATION
SECONDARY EDUCATION OPTION
AND
NON-TEACHING OPTION

REQUIRED OF ALL GRADUATES:

GENERAL UNIVERSITY REQUIREMENTS:

ENGLISH 101-102..............................................6
Area I Core..................................................12
Area II Core................................................12
Area III Core.................................................12
Area I-III Electives...........................................9

PHYSICAL EDUCATION CORE REQUIREMENTS (Required of all Graduates):

Health Education PE 100.................................3
Foundations of Physical Education PE 101...........3
Rhythmic Skills PE 113....................................1
Tumbling Skills PE 115................................. 1
Sports Skills PE 117................................. 1
Advanced First Aid PE 122.............................3
Human Growth and Motor Development PE 205....2
Anatomical Kinesiology PE 230.........................3
Secondary School PE Method............................3
Evaluation in Physical Education PE 309............3
Exercise Physiology PE 310............................3
Biomechanics PE 311.......................................3
Organization and Admin of PE PE 457.................3

Minimum 8

Minimum 11

21-28

21-28

128

NOTE: P 101, Z 111-112, P 312, H 207 and CM 111 or CM 311 are required of all graduates.

Suggested Curriculum for Each Year

FRESHMAN YEAR

English Composition E 101-102.........................6
General Psychology P 101..................................3
Human Anatomy and Physiology Z 111-112...........8
Health Education PE 100..................................3
Foundations of Physical Education PE 101...........3
Rhythmic Skills PE 113....................................1
Tumbling Skills PE 115................................. 1
Sports Skills PE 117...................................... 1
Advanced First Aid PE 122.............................3
Supporting Field Approved Electives....................3

SOPHOMORE YEAR

Human Growth and Motor Development PE 205....2
Anatomical Kinesiology PE 230.........................3
Nutrition H 207.............................................3
Physical Education Approved Electives.................3
Approved Supporting Field Electives..................10
Area I Core..................................................6
Area II Core................................................3
Area III Core...............................................4

33
JUNIOR YEAR
Evaluation in Physical Education PE 309 3
Exercise Physiology PE 310 3
Biomechanics PE 311 3
Adolescent Psychology P 312 3
Secondary School PE Methods 3
Approved Supporting Field Electives 7
Area I Core 3
Area II Core 3
Area III Core 3
General Electives 4
32

SENIOR YEAR
Organization and Admin of PE PE 457 3
Physical Education Approved Electives 6
Supporting Field Approved Electives 10
Area I Core 3
Area II Core 3
Area III Core 3
General Electives 2
31

COURE OFFERINGS

PE PHYSICAL EDUCATION

Lower Division
PE 100 HEALTH EDUCATION (3-0-3). Covers nutrition, diseases, health needs, services, drugs, family living and personality structure and development. Aids student adjustment toward effective functioning in a changing environment. Required of all PE majors.

PE 101 FOUNDATIONS OF PHYSICAL EDUCATION (3-0-3)(F). Instruction in physical education program offerings and requirements at BSU. Emphasis on an understanding of what is involved in the profession, including: interaction of humanities, exercise physiology, kinesiology, psychology, social aspects and human growth and motor development as related to physical education. Required of all PE majors.

PE 103 INTRODUCTION TO RECREATION (2-0-2)(S). Instruction in the growth and development of recreation education and its role in present-day society. Offered odd numbered years.

PE 113 RHYTHMIC SKILLS (0-2-1). Professional activity Instruction and practice in rhythmic skills, (rhythm, non-rhythm, and manipulative), emphasizing fundamental and practical application. Required of all PE majors.

PE 115 TUMBLING SKILLS (0-2-1). Professional activities. Instruction and practice in tumbling skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 117 SPORTS SKILLS (0-2-1). Professional activities. Instruction and practice in sports skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 120 TRAINING ROOM PROCEDURES (0-2-1)(F). Instruction in actual clinical aspects of camp, athletic training programs, emphasizing observation and practical application.

PE 121 STANDARD FIRST AID & CPR (1-2-1)(F). Instruction in and application of basic skills and the multi-media approach to first aid and CPR training.

PE 122 ADVANCED FIRST AID (3-0-3)(F). Instruction in wounds, shock, poisoning, heat and cold injuries, skeletal injuries, water rescue, CPR extension, emergency child birth and training required for policemen, firemen, and ski patrol. Required of all PE majors.

PE 123 FIRST AID INSTRUCTOR TRAINER COURSE (1-2-1)(S). Instruction in methods of teaching CPR and Standard First Aid. Offered spring on odd numbered years.

PE 145 VOLLEYBALL (0-2-1). Professional activities. Instruction and practice in volleyball, emphasizing fundamentals, strategy and conditioning with practical application.

PE 144 BASKETBALL (0-2-1)(F). Professional activity Instruction and practice in basketball, emphasizing fundamentals, strategy and practical application.

PE 202 RECREATIONAL ACTIVITIES (2-0-2)(F). Materials, methods and teaching progression in recreational activities for special groups and special situations. Offered in the fall on odd numbered years.

PE 205 HUMAN GROWTH AND MOTOR DEVELOPMENT (2-0-2)(F). Instruction for an understanding of the existing body of knowledge regarding human growth and motor development. Required of all PE majors.

PE 212 TRACK AND FIELD (0-2-1). Professional activities. Instruction and participation in track and field events for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 217 WRESTLING (0-2-1). Professional activities. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 218 RHYTHMIC GYMNASTICS (0-2-1)(F). Professional activity Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, skill progressions, conditioning and practical application. Offered in fall on odd numbered years.


PE 254 SPORT OFFICIATING (2-0-2)(B). Instruction in officiating sports for development of skills and application of methods to sports.

PE 282 ADVANCED LIFESAVING (2-0-1)(F). Instruction and participation in lifesaving skills. ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 500 yards.

PE 283 WATER SAFETY INSTRUCTOR’S COURSE (1-2-0)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC WSI certificate. Must have ARC advanced lifesaving certificate and ARC swimming level of skill.

PE 293 INTERNSHIP (1-3 credits)(F). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in a school setting. Required in some options.

PE 303 INTRAMURAL ORGANIZATION (2-0-2)(F). Instruction in organization and administration of intramural activities. Offered in the fall on odd numbered years. PREREQ: Junior standing.

PE 304 SECONDARY SCHOOL PE METHODS (2-2-3)(S). Instruction and participation in methods of teaching secondary school PE, including practical application of teaching models and theories, instructional analysis and performance objectives, lesson plans and curriculum writing. Laboratory observation and participation in public schools. PREREQ: Junior standing.

PE 305 SCHOOL HEALTH PROBLEMS AND METHODS (3-0-3). Current issues and trends in health education and development of health related topics in school settings. Required of all PE majors. PREREQ: Junior standing.

PE 310 EXERCISE PHYSIOLOGY (2-2-3)(F). Instruction in the physiological and biochemical changes accompanying exercise and training with emphasis on application of scientific principles to training program design. Required of all PE majors. PREREQ: Junior standing.

PE 311 BIOLOGY OF THE INJURED (2-3-3)(S). Instruction in the application of principles of mechanics to the study of human motion in sports and exercise. Required of all PE majors. PREREQ: Junior standing.

PE 323 CONDITIONING PROCEDURES FOR SPORTS (1-2-2)(F). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: PE 310.

PE 319 COACHING FOOTBALL (2-2-2)(F). Instruction in methods of coaching football, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 320 COACHING WRESTLING (2-2-3)(F). Instruction in methods of coaching wrestling, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing. Offered in the spring on odd numbered years.

PE 323 COACHING BASEBALL (2-2-3)(F). Instruction in methods of coaching baseball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 324 COACHING FOOTBALL (2-2-3)(F). Instruction in methods of coaching football, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 325 COACHING VOLLEYBALL (2-2-3)(F). Instruction in methods of coaching volleyball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 328 COACHING TENNIS (2-2-3)(F). Instruction in methods of coaching tennis, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 336 COACHING WOMEN’S GYMNASTICS (2-2-3)(F). Instruction in methods of coaching women’s gymnastics emphasizing fundamentals, skill progressions, safety, conditioning and practical application. PREREQ: Junior standing. PE 115. Offered in fall on even numbered years.

PE 341 SECONDARY SCHOOL DANCE METHODS (2-2-2)(F). Instruction in methods of teaching social, folk, square, rounds, mixers, and aerobic dance. Offered in the fall on even numbered years.

PE 357 DANCE FOR CHILDREN (2-0-2)(S). Instruction in the analysis of fundamentals, development of skills and application of methods in teaching dance to children. Offered in spring on odd numbered years.

PE 361 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS (3-0-3)(F). Instruction in methods of teaching elementary school physical education emphasizing movement needs, analysis and development of skills and practical application. PREREQ: Junior standing.

PE 369 MOTOR PROGRAMMING FOR SPECIAL POPULATIONS (2-0-2)(F). Instruction in motor growth and development, identification, assessment, prescription and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401G PSYCHOLOGY OF ACTIVITY (3-0-3)(F). Instruction in concepts of learning, value formation, motivation, stress, personality, measurement and evaluation and practical application to skill learning. PREREQ: Junior standing. PE 310.

PE 402G ADVANCED ATHLETIC TRAINING (3-3-3)(S). Instruction in advanced theory and application of techniques of athletic training for student pursuing a career as professional athletic trainer. PREREQ: PE 236, 311. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (3-0-2)(F). Instruction in theory and application of various athletic modalities for career advancement and development of athletic injuries, emphasizing cryotherapy, thermotherapy, and electrical modalities. PREREQ: Junior standing. PE 236, 311. Offered in the fall on even numbered years.

PE 405 CONSUMER HEALTH (2-0-2)(S). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing consumer awareness, consumer protection laws and organizations and health insurance considerations. PREREQ: Junior standing. Required in spring on even numbered years.

PE 415 SCHOOL HEALTH PROBLEMS AND METHODS (3-0-3)(F). Instruction in current issues and trends in health programming and education, emphasizing topic sequence, individual and social health problems and methods of teaching health in the elementary and secondary schools. PREREQ: Junior standing.
FA 143 FENCING I (0-2-1). Instruction and participation in fencing for development of basic skills and techniques. (Pass/Fail)

FA 135 GOLF I (0-2-1). Instruction and participation in golf for development of fundamental skills, rules, and proper etiquette of the game. Special fee required. (Pass/Fail)

FA 136 GYMNASTICS I (0-2-1)(Coed). Instruction and participation in gymnastics for development of fundamental skills and spotting and safety techniques. (Pass/Fail)

FA 141 DEFENSIVE TACTICS I (0-2-1). Defense against one or more persons, arrest, control devices, and individual and group tactics. For criminology majors only. GI required. (Pass/Fall)

FA 140 JUDO I (0-2-1). Principles and philosophy of judo and techniques of falling, throwing, and grappling. GI required. (Pass/Fail)

FA 143 KARATE I (0-2-1). Presentation of techniques based on the theory of energy conserva-

FA 151 ALPINE SKIING I (0-2-1)(S). Basic skills and techniques of alpine skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail)

FA 152 BACKPACKING, CAMPING, AND SURVIVAL SKILLS I (0-2-1). Fundamental skills in backpacking, overnight camping, and basic survival. Includes choice and care of equipment, camping sites, outdoor cooking skills, and ecology. Students furnish equipment and transportation. (Pass/Fail)

FA 153 CROSS COUNTRY SKIING I (0-2-1)(S). Basic skills and techniques of cross country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail)

FA 154 FLYCASTING AND STREAM STRATEGY I (0-2-1). Techniques of flycasting, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of casting and retrieving wet flies, dry flies, and streamers. Special fee required. (Pass/Fail)

FA 155 FLYTYING I (0-2-1). A practical orientation and application of flytying skills for the beginner or experienced tyler. The course will focus on tying dry and wet flies, nymphs, bucktails, and streamers. Special fee required. (Pass/Fall)

FA 156 TARGET AND TRAP SHOOTING I (0-2-1). Fundamental skills of air rifle and shotgun shooting. Sighting procedures, gun parts, care of equipment, and safety are stressed. Shot-
gun and loading is also taught. Students will furnish shotguns, shells, and trap range fees. (Pass/Fail)

FA 161 AEROBIC DANCE I (0-2-1). Instruction and participation in aerobic dance for the development of cardiovascular and neuromuscular fitness. (Pass/Fail)

FA 162 ADAPTED PHYSICAL EDUCATION I (0-2-1). Adaptive and corrective exercise programs for aid men and women who are unable to participate in a regular activity class. Course is individualized to meet the special needs of the individual. The course may be repeated for credit. (Pass/Fail)

FA 163 JOGGING I (0-2-1). Instruction and participation in beginning endurance running. The student will be pre-tested and placed in a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardio-respiratory system. (Pass/Fail)

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail)

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness. (Pass/Fail)

FA 166 YOGA AND STRESS MANAGEMENT I (0-2-1). Introduction to yoga theory, practice, and tradition; introduction to stress/relaxation theories; in-depth practice of Hatha Yoga postures, in-depth breath control (Sanskrit names), meditations. (Pass/Fall)

FA 171 BADMINTON I (0-2-1). Instruction and participation in badminton to encourage skill development, understanding, and appreciation of the game. (Pass/Fall)

FA 172 RACQUETBALL I (0-2-1). Instruction and participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures. (Pass/Fail)

FA 173 TENNIS I (0-2-1). Instruction and participation in tennis for development of fundamental skills, rules, and basic strategy. (Pass/Fail)

FA 181 BASKETBALL I (0-2-1). Instruction and participation in basketball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail)

FA 182 SOFTBALL I (0-2-1). Instruction and participation in softball for development of fundamental skills, rules, and basic strategy. (Pass/Fail)

FA 186 VOLLEYBALL I (0-2-1). Instruction and participation in volleyball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail)

FA 190 CLUB SPORTS I (0-2-1). Instruction and participation in club sports approved by the BSU Student Senate. Club advisor's approval required. (Pass/Fall)

FA 191 VARSITY SPORTS I (0-2-1). Instruction and participation in varsity sports approved by BSU Department of Athletic's approved sports. Coach's approval required. (Pass/Fail)

FA 213 SWIMMING II (0-2-1). Instruction and participation in swimming for development of intermediate and advanced skill and techniques. Instruction in self-rescue skills, games, diving, and contests. Students must be able to swim 50 yards. (Pass/Fail)

FA 222 FOLK DANCE II (0-2-1). Instruction and participation in folk dance for development of advanced skills. (Pass/Fall)

FA 223 MODERN DANCE I (0-2-1). Instruction and participation in modern dance for development of flexibility, balance, coordination, and development, control leading to dance choreography and production work. (Pass/Fail)

FA 224 SOCIAL DANCE II (0-2-1). Instruction and participation in social dance for development in the waltz, cha cha, foxtrot, rhumba, tango, lindy, western swing, foil, square, and various novelty dances. (Pass/Fall)

FA 233 BOWLING II (0-2-1). Instruction and participation in bowling for development of inter-

FA 235 GOLF II (0-2-1). Instruction and participation in golf for development of intermediate skills and techniques. Special fee required. PREREQ: FA 133. (Pass/Fail)

FA 111 KAYAKING AND RAFTING I (0-2-1). Basic skills of kayaking and rafting. Covers safe handling, self-rescue skills, and helping or rescuing others. Students must be able to maintain themselves in deep water, fully clothed, for ten minutes. Special fee required. (Pass/Fail)

FA 112 SKIN AND SCUBA DIVING I (0-2-1) Basic skin and scuba diving skills. Proper use of mask, fins and snorkel, mechanical use of equipment, safety techniques, and panic control are stressed. Students must swim 400 yards, tread water for 15 minutes and carry a ten pound weight 25 yards. Certification is optional. Special fee required. (Pass/Fail)

FA 113 SWIMMING I (0-2-1). Basic water safety, skill and knowledge; floating, bobbing, diving, rhythmic breathing, treading, introduction to the crawl, side and elementary backstroke. For students who do not know how to swim. (Pass/Fail)

FA 121 BALLET I (0-2-1)(Coed). A structured class in the basics of classical dance (Barre) work and technique with historical background stressed. Designed as a tool to help students gain strength and agility. (Pass/Fail)

FA 122 FOLK DANCE I (0-2-1). Instruction and participation in techniques and application of basic steps and patterns used in folk dances from different countries. (Pass/Fail)

FA 123 MODERN DANCE I (0-2-1). Opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Improvement of flexibility, balance, coordina-
tion, and relaxation by using modern dance techniques and movement exploration. (Pass/Fail)

FA 124 SOCIAL DANCE I (0-2-1). Instruction and participation in dance fundamentals including: waltz, polka, jitterbug, fox trot, western swing, cha cha, samba, tango, square, round dances, and mixers. (Pass/Fail)

FA 125 JUDOKA I (0-2-1). Principles and philosophy of judo and techniques of falling, throwing, and grappling. GI required. (Pass/Fall)

FA 126 CROSS COUNTRY SKIING I (0-2-1). Basic skills and techniques of cross country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail)

FA 127 Judo III (0-2-1). Instruction and participation in judo with emphasis on fundamentals of technique of archery; target, field, clout, bow hunting, novelty, etc. (Pass/Fail)

FA 128 VARSITY SPORTS I (0-2-1). Instruction and participation in varsity sports approved by BSU Department of Athletic's approved sports. Coach's approval required. (Pass/Fail)
FA 236 GYMNASTICS II (0-2-1) (Coed). Instruction and participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. PREREQ: FA 136. (Pass/Fail)

FA 242 JUDO II (0-2-1). Instruction and participation in Judo for those seeking advanced degrees. Required. PREREQ: FA 142 (Pass/Fail)

FA 243 KARATE II (0-2-1). Instruction and participation in karate for development of advanced skills and techniques. Gi required. PREREQ: FA 143. (Pass/Fail)

FA 244 SELF-DEFENSE II (0-2-1). Instruction and participation in advanced defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Gi required. PREREQ: FA 144. (Pass/Fail)

FA 255 WEIGHT TRAINING II (0-2-1). Instruction and participation in progressive bodybuilding and conditioning exercise with resistance for development of intermediate skills. PREREQ: FA 165. (Pass/Fail)

FA 272 RACQUETBALL II (0-2-1). Instruction and participation in racquetball for development of intermediate skills and techniques. Students furnish racquets. PREREQ: FA 172. (Pass/Fail)

FA 273 TENNIS II (0-2-1). Instruction and participation in tennis for development of intermediate skills and techniques. Students furnish rackets. PREREQ: FA 173. (Pass/Fail)

FA 281 BASKETBALL II (0-2-1). Instruction and participation in basketball for development of intermediate skills and techniques. Students furnish equipment. PREREQ: FA 181. (Pass/Fail)

FA 286 VOLLEYBALL II (0-2-1). Instruction and participation in volleyball for development of intermediate skills and techniques. PREREQ: FA 186. (Pass/Fail)

FA 290 CLUB SPORTS II (0-2-1). Instruction and participation in club sports approved by BSU. PREREQ: FA 291. (Pass/Fail)

FA 291 VARSITY SPORTS II (0-2-1). Instruction and participation in BSU Department of Athletics approved sports. Coach's approval required. (Pass/Fail)

Upper Division

FA 313 SWIMMING III (0-2-1). Participation in swimming for development of advanced skills and techniques. Instruction in stroke mechanics, training program design, starts, turns, and survival swimming. PREREQ: FA 213. (Pass/Fail)

FA 365 WEIGHT TRAINING III (0-2-1). Instruction and participation in progressive bodybuilding and conditioning exercises with resistance for development of advanced skills and fitness. PREREQ: FA 265. (Pass/Fail)

FA 372 RACQUETBALL III (0-2-1). Instruction and participation in racquetball for development of advanced skills and techniques. Emphasis on doubles play and safety. Students furnish racquets. PREREQ: FA 272. (Pass/Fail)

FA 373 TENNIS III (0-2-1). Instruction and participation in advanced drills, game experience and strategy, and study of the USTA rules and code. Students will furnish their own rackets and balls. PREREQ: FA 273. (Pass/Fail)

## Department of Psychology

**Education Bldg., Rm 629**  
**Phone (208) 385-1207**  
**Chairman and Professor:** Phillips; **Professors:** Barsness, Dodson, Ison, Smith, Snow, Thurber; **Associate Professors:** Brownsmith, Chastain, Downs, Nelson, Sieger, Wilkinson; **Emeritus:** Bronson, Torbet.

The College of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's coursework in psychology are "elective."

The student should be aware, however, that even the elective 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) a 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 programs; additional courses may be taken as electives.

Every Psychology major must sit for the graduate record examination (Both "Aptitude" and "Advanced") at some time during his senior year and have the results sent to the department.

**Psychology Major**  
**Bachelor of Arts or Bachelor of Science Degree**

1. **Lower Division:**
   a. Psychology (see Area II below)

## Psychology Requirements

### FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

#### Psychology Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>P 101 General Psychology</td>
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<tr>
<td>P 301 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>P 305 Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>P 351 Personality</td>
<td>3</td>
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<td>Psychology upper-division electives</td>
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#### Social Science Secondary Education Option Major

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<th>Course</th>
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<tr>
<td>P 101 General Psychology</td>
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<tr>
<td>P 301 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>P 351 Personality</td>
<td>3</td>
</tr>
<tr>
<td>Psychology upper-division electives</td>
<td>6</td>
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<td><strong>Total</strong></td>
<td>15</td>
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**Note:** Psychology is classified as a social science by the University, but not by the State Department of Education. You can apply psychology toward a baccalaureate degree in Social Sciences. (In this catalog see the sections on Economics, History, Political Science, Anthropology, and Sociology.) If you do that, you may be certified to teach the subjects that are classified by the State as "social studies," but you will not be certified to teach psychology unless you also meet the requirements of the Psychology Minor.

**Psychology Major**

*(Suggested Program)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>English Composition</td>
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<td>Core courses</td>
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<td>Literature</td>
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<td>Second Area I Field</td>
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<td>Third Area I Field</td>
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<td><strong>Area II</strong></td>
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<td>Core Courses</td>
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<td>General Psychology</td>
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<td>History</td>
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<td>Third Area II field</td>
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<td>Any Area II field</td>
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<td><strong>Non-core Courses:</strong></td>
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<tr>
<td>Physiological Psychology</td>
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<td>Intro to Practice of Psych.P</td>
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<td><strong>Area III</strong></td>
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<td>App Stat with the Computer</td>
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<td>Concepts of Human Anatomy</td>
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</table>

* Pending approval.
P 321 EXPERIMENTAL PSYCHOLOGY (2-4-4)(FS). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data, reporting of behavioral research. PREREQ: P 305 and M 109, M 120.

P 325 EDUCATIONAL PSYCHOLOGY (3-0-3). A critical examination of some psychological concepts that have relevance to the process of education. PREREQ: P 101.

P 341 PERCEPTION (3-0-3)(S). A survey of the basic concepts in the psychology of perception. Prerequisites: either course from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structure and neural pathways is included. PREREQ: P 101.

P 351 PERSONALITY (3-0-3)(F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. PREREQ: P 101.


P 357 PERS PERSUADING: THE HELPING RELATIONSHIP (3-0-3)(FS). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be placed on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. PREREQ: P 101.

P 351 COUNSELING AND CONSULTING IN THE ELEMENTARY AND SPECIAL CLASSROOM (3-0-3)(F/S). A multifaceted course dealing with the problems of leadership, and group dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101 or SO 120.

P 401 SENIOR REVIEW PRACTICUM (3-0-3)(FS). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by students. PREREQ: Senior or 2nd semester junior standing in psychology with an upper division GPA above 3.0 and 3.0 or PERM Packaging.

P 405 ADVANCED STATISTICAL METHODS (3-0-3). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measures design) and related trend tests, multiple comparison tests, and multiple correlation techniques. Preference to psychology majors who are planning to go on to graduate school. PREREQ: P 305.


P 441 LEARNING (3-0-3)(FS). A critical examination of some psychological concepts that have relevance to the process of learning, and the present impact on the nature of living. PREREQ: P 101. Pass/Fail Limited enrollment.

P 499 SEMINARS IN PSYCHOLOGY (3-0-3)(S). Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in Psychology.

P 496 SENIOR THESIS (3-0-3)(FS). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrollment. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101, M 108, M 120, P 305, P 261, PERM Packaging.

Graduate

(See graduate college section for descriptions.)

P 501 COUNSELING AND CONSULTING IN THE ELEMENTARY AND SPECIAL CLASSROOM (3-0-3)(S). Offered on demand.

P 502 ADVANCED EDUCATIONAL PSYCHOLOGY (3-0-3). Offered on demand.

P 503 INDIVIDUAL TESTING PRACTICUM (3-0-3)(S). Offered odd numbered years.

P 505 PERSONALITY DEVELOPMENT (3-0-3). Offered on demand.

DEPARTMENT OF TEACHER EDUCATION & LIBRARY SCIENCE

Education Bldg., Room 205 Phone 208-385-3602
Chairman and Associate Professor: Lamont S Lyons; Professor: Beita, Bieter, Bullington, Dahberg, Edmundson, Frederick, Friedli, Hart, Hill,
Jensen, Kirtland, Lambert, Sadler, Singh, Waite, Young; Associate Professors: Brownsmith, French, Hess, Hoge, Munns; Assistant Professors: Fuhriman, Hensen, Swenson; Instructor: Herrig.

Coordinator of Foreign Languages and Assistant Professor: Dr. Jay Fuhriman; Professors: Jocums, Valverde; Associate Professor: Robertson; Emeriti: Power, deNeufville.

The Department of Teacher Education and Library Science at Boise State University exists to improve instruction and enhance learning. The faculty believes this can best be accomplished through emphasis upon the preparation of elementary and secondary school teachers, and the provision of advisory and substantive services to persons who have instructional responsibilities or who wish to improve their learning skills.

To realize this principle the faculty members exemplify instructional excellence, remain current in their fields, and contribute to the knowledge about instruction and learning.

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education and Library Science in the total preparation of elementary and secondary school teachers and librarians.

The department is responsible for planning and conducting the teacher education programs for preparing elementary and secondary teachers. The programs are outlined in accordance with the aims and certification requirements of the Idaho State Board of Education. The Department has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the Humanities and in the Social and Natural Sciences. Students also receive special preparation for the particular kind of educational work they plan to do.

MAJORS
Elementary:
- Bachelor of Arts in Bilingual/Multicultural Elementary Education
- Bachelor of Arts in Elementary Education

Secondary: No secondary degrees are offered through the Department; students seeking secondary certification complete a Bachelor's degree in a content area and take professional secondary option coursework in the Department of Teacher Education and Library Science.

Graduate: A variety of elementary and secondary Master's programs are available through the Department. Check the Graduate College of the Catalog for details.

ADMISSION TO TEACHER EDUCATION
1. Students preparing to teach must apply for admission to Teacher Education. Normally, this is accomplished during the Sophomore year. This application will be secured and processed as part of the TE 201, Foundations of Education. Transfer students who have completed an equivalent course in Foundations of Education should contact the Coordinator of Field Services and apply for admission to Teacher Education.

Admission to Teacher Education is required before students can take any upper division courses in Teacher Education. Provisional admission is possible for students who have degrees and are working toward certification only.

2. General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the department. These requirements include:
   a. Filing of the Admission to Teacher Education.
   b. A minimum grade of C in TE 201 Foundations of Education, or its equivalent.
   c. A cumulative grade point average of 2.50.
   d. Demonstrated proficiency in written and oral English. This is normally determined while the students are enrolled in TE 201, Foundations of Education. Transfer students must make arrangements with the Coordinator of Field Services for exceptions to this procedure. Specific procedures followed by the Department in judging English proficiency are available in the office of the Coordinator of Field Services.
   e. Completion of E 101-102 English Composition of equivalent.

Any deviations from the preceding policy must be approved by the Chairman of the department.

3. Any student may be dismissed from a program leading to certification if he or she is found to be in violation of any offense which would be grounds for revocation or denial of an Idaho teaching certificate.

ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES
1. An application for a specific student teaching assignment must be filed with the Office of Field Services, Department of Teacher Education and Library Science, by the following deadlines:
   a. February 15 of the Junior year for fall secondary student teachers and fall/spring elementary student teachers.
   b. October 1 of the Senior year for spring secondary student teachers and spring/fall elementary student teachers.

Application forms may be picked up from the Office 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 withdraw from student teaching.

2. General requirements for admission to student teaching for elementary or secondary candidates include:
   a. ELEMENTARY MAJOR
      1) Admission to Teacher Education.
      2) Recommendation by the faculty advisor or Department chairman.
      3) A cumulative grade point average of 2.50.
      4) Elementary Curriculum and Methods, TE 451, 452, taken concurrently with or prior to student teaching.
      5) Student teaching to be completed during 2 consecutive semesters.

      NOTE: An early Childhood course must be taken prior to or concurrently with Student Teaching in a Kindergarten-Classroom.

   b. SECONDARY OPTIONS
      1) Admission to Teacher Education.
      2) Completion of an Early School Experience.
      3) Recommendation by the faculty advisor or the Department chairman.
      4) A minimum grade point average of 2.50.
      5) Elementary Curriculum and Methods, TE 381, 382, taken concurrently with or prior to student teaching.
      6) Sufficient credit hours in the assigned teaching area.

      NOTE: Deviations from the above requirements must be approved by the department chairman.

   7) A student will not be allowed credit towards his/her major department requirements for any grade of "D".

   c. Student teachers are expected to do responsible teaching, participate in cocurricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their University supervisors.

   d. Students who transfer to Boise State University must meet requirements for admission to Teacher Education and Student Teaching, and complete at least 6 semester hours at the University before being placed in Student Teaching.

   e. Student Teaching can only be taken once (refer to PART II, ACADeMIC INFORMATION—Academic Regulations.)

ELEMENTARY EDUCATION MAJOR
Bachelor of Arts Degree
Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Department of Teacher Education and Library Science consisting of general and professional Education courses.

1. General University Requirements for BA Degree
**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Course Title</th>
<th>Crs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I</td>
<td>Mathematics for Elem Teachers M 103-104</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Music Fundamentals MU 101</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area I Electives: Art or Music</td>
<td>3</td>
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<tr>
<td></td>
<td>Area I Third Field Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science: U.S. History AREA II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area II, Geography GG 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area II, Economics or Political Science</td>
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</tr>
<tr>
<td></td>
<td>Area III Electives: Art or Music</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area II Soc Sci SO 230 or AN 102</td>
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<tr>
<td></td>
<td>Area III Elective - Econ or Poli Sci</td>
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**NOTE:** Choose Second and Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts and Foreign Language (201 level or higher).

**SECOND YEAR:**

<table>
<thead>
<tr>
<th>Course Area</th>
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<th>Crs.</th>
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<tbody>
<tr>
<td>Area I</td>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Second Field (E 271 or E 272) Area I</td>
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<tr>
<td></td>
<td>Additional Literature Course Area I</td>
<td>3</td>
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<tr>
<td></td>
<td>Social Science: Area I SO 230 or AN 102</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective Area III</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE:** For certification purposes, Elementary Education majors must complete a total of 12 semester hours in Social Science areas other than Psychology and Communication.

**Area III Requirements**

See University Core Requirements.

**NOTE:** Elementary Education majors must have courses in both Biological and Physical Sciences.

**e. Professional Education Requirements**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Course Title</th>
<th>Crs.</th>
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<tbody>
<tr>
<td>Intro to Teaching I TE 171</td>
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<tr>
<td>Mathematics for Elem Teachers M 103-104</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Fundamentals MU 101</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Intro to Teaching II: Instr Experience TE 271</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Education of the Exceptional Child TE 291</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Teaching Beginning Reading, K-3 TE 305</td>
<td>1</td>
<td></td>
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<tr>
<td>Teaching Intermediate Reading, 4-6 TE 306</td>
<td>1</td>
<td></td>
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<tr>
<td>Music Methods for the Elem School Teacher MU 371</td>
<td>1</td>
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<tr>
<td>Elementary School Art Methods AR 321</td>
<td>1</td>
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<tr>
<td>Elementary School Physical Educ PE 361</td>
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<tr>
<td>Children's Literature TE 316</td>
<td>1</td>
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<tr>
<td>Educational Psychology P 325</td>
<td>1</td>
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<tr>
<td>Child Psychology P 311</td>
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<tr>
<td>Elem Curriculum &amp; Methods I TE 451</td>
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<tr>
<td>Elem Curriculum &amp; Methods II TE 452</td>
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<tr>
<td>Classroom Management Skills TE 457</td>
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<tr>
<td>Elem Student Teaching TE 471</td>
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<tr>
<td>Elem Student Teaching TE 472 OR</td>
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<tr>
<td>Student Teaching in Special Educ TE 473</td>
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**Suggested Program**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Concepts of Biology (Area III) B 100</td>
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<td>Physical Science (Area III) PS 100</td>
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<td>General Psychology P 101</td>
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<td>Area I Electives: Art or Music</td>
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<tr>
<td>Area I Third Field Elective</td>
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<td></td>
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<tr>
<td>Social Science: U.S. History AREA II</td>
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</tr>
<tr>
<td>Area II, Geography GG 101 or 102</td>
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**FRESHMAN YEAR:**

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<th>Course Area</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
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<tr>
<td>Physical Science (Area III) PS 100</td>
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<tr>
<td>General Psychology P 101</td>
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<tr>
<td>Area II, Geography GG 101 or 102</td>
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<td>Area II, Economics or Political Science</td>
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**SOPHOMORE YEAR:**

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<thead>
<tr>
<th>Course Area</th>
<th>Course Title</th>
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<tr>
<td>Music Fundamentals MU 101</td>
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</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>2</td>
<td></td>
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<tr>
<td>Intro to Teaching II: Instr Expier TE 271</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elementary Mathematics for Teachers M 103</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elementary Mathematics for Teachers M 104</td>
<td>2</td>
<td></td>
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<tr>
<td>Education of the Exceptional Child</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Second Field (E 271 or E 272) Area I</td>
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<tr>
<td>Additional Literature Course Area I</td>
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<tr>
<td>Social Science: Area I SO 230 or AN 102</td>
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<tr>
<td>Elective Area III</td>
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**JUNIOR YEAR:**

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<thead>
<tr>
<th>Course Area</th>
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<th>Crs.</th>
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<tbody>
<tr>
<td>Teaching Begin Reading, K-3 TE 305</td>
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<tr>
<td>Teaching Intermediate Reading, 4-6 TE 306</td>
<td>3</td>
<td></td>
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<tr>
<td>Children's Literature TE 316</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elementary School Art Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elementary School PE Methods PE 361</td>
<td>3</td>
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<tr>
<td>Music Methods for Elementary Teachers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology P 325</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Child Psychology P 311</td>
<td>3</td>
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</tr>
<tr>
<td>Speech Comm for Teachers CM 311 suggested</td>
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**SENIOR YEAR:**

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<th>Course Area</th>
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<tr>
<td>First Semester: Block I: Classroom Management Skills TE 457</td>
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<tr>
<td>Elem Curriculum &amp; Methods TE 451</td>
<td>2</td>
<td></td>
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<tr>
<td>Elementary Student Teaching TE 471</td>
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<tr>
<td>Second Semester: Block II: Advanced Curriculum and Methods TE 452</td>
<td>6</td>
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<tr>
<td>Elementary Student Teaching TE 472</td>
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<tr>
<td>Student Teaching: Special Education TE 473</td>
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**Suggested Program**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Course Title</th>
<th>Crs.</th>
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</thead>
<tbody>
<tr>
<td>Area I</td>
<td>Mathematics for Elem Teachers M 103-104</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Music Fundamentals MU 101</td>
<td>2</td>
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<tr>
<td></td>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>3</td>
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<tr>
<td></td>
<td>Area I Electives: Art or Music</td>
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<td></td>
<td>Area I Third Field Elective</td>
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<td>Social Science: U.S. History AREA II</td>
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<td></td>
<td>Area II, Geography GG 101 or 102</td>
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**TOTAL HOURS:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Total Hrs</th>
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</thead>
<tbody>
<tr>
<td>Language Component</td>
<td>33</td>
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<tr>
<td>Multicultural Component</td>
<td>33</td>
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<tr>
<td>Science Component</td>
<td>33</td>
</tr>
<tr>
<td>Professional Component</td>
<td>33</td>
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</tbody>
</table>

**ENGLISH AS A SECOND LANGUAGE (ESL) Section**

- Foundations of Teaching English as a 2nd Language TE 202 | 2   |
- Identification & Diagnosis of LEP Students TE 322 | 2   |
- Methods of Teaching English as a 2nd Language TE 456 | 2   |
- Introduction to Language Study LI 305 | 2   |
- Applied Linguis in Teaching Engl as 2nd Lang LI 407 | 2   |

**TOTAL HOURS IN LANGUAGE COMPONENT:**

- Intermediate Spanish (Area I) S 201 | 4   |
- Advanced Spanish (Area I) S 202 | 4   |
- Advanced Spanish (Area II) S 303 | 3   |
- Advanced Spanish (Area II) S 304 | 3   |

**TOTAL HOURS IN ENGLISH COMPONENT:**

- English Composition E 101 | 3   |
- English Composition E 102 | 3   |
- English As a Second Language (ESL) Section | 14   |

**TOTAL HOURS IN MULTICULTURAL COMPONENT:**

- Survey of American Lit (Area II) E 271 or 272 | 3   |
- Intro to Multi-Ethnic Studies (Area II) SO 230 | 3   |
- United States History HY 151 or 152 | 3   |
- Cultural Anthropology (Area II) AN 102 | 3   |
- Mexican American Tradition & Culture in Elem Class TE 278 | 3   |

**TOTAL HOURS IN SCIENCE COMPONENT:**

- Math for Elementary Teachers M 103 | 4   |
- Math for Elementary Teachers M 104 | 4   |
- Concepts of Biology (Area III) B 100 | 4   |
- Electives (Choose any 2 of Area II) | 8   |
- (GO 100 and PS 100 are recommended) | 20   |

**TOTAL HOURS IN PROFESSIONAL COMPONENT:**

- Elementary School Art Methods AR 321 | 3   |
- Music Meth for Elem School Teacher MU 371 | 3   |
- General Psychology (Area II) P 101 | 3   |
- Child Psychology P 311 | 3   |
- Elem School PE. Methods PE 361 | 3   |
**ELICTIVES**

Because of the need to prepare future teachers to teach in both bilingual and non-bilingual classrooms, it is recommended that elective classes be chosen from the following list:

- CM 351 Intercultural Communications
- S 203 Spanish for the Native Speaker
- S 425 Mexican American Literature
- S 385 La Gente Mexico Americano en los Estados Unidos
- SO 297 Sociological Processes of Mexican American People
- E 213 Afro-American Literature
- E 219 North American Indian Folklore
- E 390 Folklore
- E 384 Literature of the American West
- AN 311 Peoples and Cultures of the World
- SO 305 Racial and Cultural Minorities
- HY 261 History of Minorities in the U.S.
- HY 356 Indians in American History
- AN 315 Indian People of Idaho
- HY 365 History of Mexico
- PO 101 American National Government
- TE 291 Education of the Exceptional Child
- P 325 Educational Psychology
- TE 358 Corrective Reading
- TE 371 Techniques of Student & Class Management
- TE 208 Introduction to Microcomputers in Education

**BILINGUAL TEACHER TRAINING TOTAL HOURS** 130

**PROPOSED PROGRAM**

**FRESHMAN YEAR:**

- Elective Area I .......................... 3
- Intermediate Spanish S 201 .............. 4
- Intermediate Spanish S 202 .............. 4
- General Psychology P 101 ............... 3
- English Composition E 101-102 ............ 6
- Intro to Teaching I: Class Observation TE 171 . 1
- Math for Elementary Teachers M 103 .... 4
- Concepts of Biology B 100 ............... 4
- Cultural Anthropology AN 102 .......... 3

**CREDITS**

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**SOPHOMORE YEAR:**

- Elective ................................. 3
- Math for Elementary Teachers M 104 .... 4
- Survey of American Literature E 271 or 272 . 3
- Foundations of Education TE 201 ....... 3
- Intro to Teaching II: Instruc Exp TE 271 . 1
- Advanced Spanish S 303-304 ............. 6
- Elective (Area III) ........................ 4
- United States History HY 151 or 152 ... 3
- Found of Teach English as 2nd Lang TE 202 . 2
- Mex-Amer Tradition & Culture in Elem Class TE 278 . 2

**CREDITS**

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**JUNIOR YEAR:**

- Elective ................................. 2
- Elementary School Art Methods AR 321 .... 3
- Introduction to Language Study LI 305 .... 3
- Teaching Reading K-3 TE 305 ............ 3
- Teaching Intermediate Reading 4-6 TE 306 . 3
- Music Methods for Elem Teacher MU 371 ... 2
- Elective (Area III) ........................ 4
- Child Psychology P 311 .................. 3

**CREDITS**

95

**SENIOR YEAR:**

- Elective ................................. 3
- Applied Linguistics in Teach ESL LI 407 .... 3
- Methods of Teaching ESL TE 456 ......... 6
- Elementary Curriculum & Methods TE 451 . 6
- Student Teaching in Biling Elem Class TE 474-475 . 10
- Elementary Curriculum & Methods TE 452 . 6
- Teaching Read & Lang Arts in Biling Class TE 453 . 2

**CREDITS**

33

**AREAS OF EMPHASIS**

Students majoring in Elementary Education are strongly advised to select an Area of Emphasis, which will strengthen them as teachers and, therefore, improve their opportunities for employment. Courses taken for the Area of Emphasis may also count as courses required for general university requirements and for those in the Elementary Education major.

**SPECIAL EDUCATION**

Students desiring to teach exceptional children may enroll in one of the following programs and upon successful completion will meet requirements for Idaho Teacher Certification. Both programs have been designed to be pursued in a dual program with either the Elementary or Secondary Education major. The student should begin program planning as early as possible with the student's advisor and a consultant from Special Education, thereby providing continuity and elimination of possible obstacles. Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major of 30 credit hours in the desired area of certification.

**A. GENERALIST - EDUCATIONALLY HANDICAPPED**

This program enables a Special Education teacher to work with exceptional children who exhibit mild or moderate educational handicaps such as the mentally retarded, learning disabled, and emotionally disturbed, either in a resource room or a regular classroom.

1. **Required Courses (24 Credit Hours)**
   - Education of the Exceptional Child TE 291 . 3
   - Techniques in Student Motivation & Class Management TE 371 .... 3
   - Diagnosis of the Handicapped TE 430 .... 3
   - Remediation of Mild & Moderate Handicapped TE 431 .... 3
   - Instructional Materials for the Exceptional Child TE 440 .... 3
   - Elementary Student Teaching in Special Education TE 473 .... 3
   - Elementary Student Teaching in Spec Educ TE 473 .... 5
   - Senior Seminar in Elem Spec Educ TE 499 .... 2
   - Motor Prog for Kindergarten & Spec Educ Teachers PE 369 .... 2

2. **Elective Courses (minimum 6 credit hours)**
   - Behavior Intervention Techniques TE 450G .... 3
   - Teaching Strategies for Behavior Disorders TE 452 .... 3
   - Curriculum in Early Childhood Educ TE 462 .... 3
   - Individualizing Instruction in Early Childhood Educ TE 484 .... 3
   - Independent Study of Emotionally Handicapped TE 497 .... 3

**B. SEVERE RETARDATION**

This program enables a Special Education teacher to work with exceptional children who exhibit severe handicapping conditions, probably requiring a self-contained placement.

1. **Required Courses (21 Credits)**
   - Education of the Exceptional Child TE 291 .... 3
   - Techniques in Student Motivation & Class Management TE 371 .... 3
   - Diagnosis of the Handicapped TE 430 .... 3
   - Teaching the Moderately & Severely Handicapped TE 423G .... 5
   - Elementary Student Teaching in Special Educ Class TE 473 .... 5
   - Senior Seminar in Special Education TE 499 .... 2
   - Motor Prog for Kindergarten & Spec Educ Teachers PE 369 .... 2

2. **Elective Courses (minimum 9 credits)**
   - Instructional Materials for the Exceptional Child TE 440 .... 3
   - Teaching Strategies for Behavior Disorders TE 452 .... 3
   - Behavior Intervention Techniques TE 450G .... 3

**CREDITS**

95
COLLEGE OF EDUCATION

Curriculum in Early Childhood Educ TE 463 .......................... 3
Individualizing Instruction in Early Child Educ TE 464 ............... 3
Independent Study in Mental Retardation TE 469 ...................... 3
Dance for Children PE 357 .............................................. 2

Art Elementary Emphasis

Required 22 credits: .......................... Area Credits
Introduction to Art AR 103 .............................................. I 3
Basic Design AR 105, 106 ............................................. I 6
Drawing AR 111 ......................................................... 2
Painting AR 113 ......................................................... 2
Painting-Watercolor AR 217 ......................................... 2
Ceramics AR 225 ......................................................... 2
Crafts AR 123 ......................................................... 2
Elementary School Art Methods AR 321 ...................... 3

NOTE: This emphasis requires 22 credit hours, 6 of which may apply to Area I and 3 of which apply to the elementary education major.

BILINGUAL ELEMENTARY EMPHASIS

Required 18-22 credits: .......................... Area Credits
Mexican American Tradition & Culture TE 278 ................. 3
Foundations of English as a 2nd Lang ................................. 3
ESL Identif, Test & Stu Placement TE 322 .................. 3
Bilingual Methods TE 454 ............................................. 3
Methods of Teaching Engt as 2nd Lang TE 456 .......... 3
Spanish ................................................................. 14 - 8
Must achieve a S-202 level proficiency either by taking 100 and 200 level courses or by demonstrating proficiency through examination

Electives 3 credits:
Intro to Multietnic Studies SO 230 .................................. II 3
Spanish for the Content Areas S 305 ................... 3
History of Minorities in U.S. HY 261 .......................... 3
Cultural Anthropology AN 102 .................................. II 3

NOTE: This emphasis requires from 21 to 25 credit hours, depending upon student's level of Spanish proficiency. Six credits of S 201 and S 202 may also apply to Area I, and SO 230 or AN 102, if elected may apply to Area II.

EARLY CHILDHOOD EMPHASIS

Required 16 credits: .......................... Area Credits
Child Behavior in Early Child Educ TE 261 ............... 3
Curriculum in Early Child Educ TE 362 .................. 3
Internship in Early Child Educ TE 293-493 ............. 3
Student Teaching Kindergarten TE 472 ................ 5

Electives 5 credits:
Infant Education TE 463G ........................................... 3
Diagnosis of Mild:Moderate Handicapped TE 430 .... 3
Speech Integration TE 430 ........................................ 3
Children's Theatre TA 287 ......................................... 3
Pupperty TA 281 ................................................... 3
Human Growth and Motor Development PE 205 ........... 2

NOTE: This emphasis requires 21 credit hours, 5 of which (TE 472) apply to Elementary Education major.

Students will be recommended for the Kindergarten endorsement on their elementary teaching certificate if they complete the Early Childhood Area of Emphasis.

FRENCH ELEMENTARY EMPHASIS

Required 19 credits: .......................... Area Credits
Elementary French F 201-202 ........................................ 8
Intermediate French F 201-202 .................................. 8
Teaching Methodology in For Lang FL 412 .................. 3

Electives 3 credits:
Advanced French F 303 ............................................. 3
Advanced French F 304 ............................................. 3
La Civilisation Francophone Moderne F 377 ........... 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

GERMAN ELEMENTARY EMPHASIS

Required 19 credits: .......................... Area Credits
Elementary German G 101-102 ................................... 8
Intermediate German G 201-202 ................................ 8
Teaching Methodology in For Lang FL 412 .................. 3

Electives 3 credits:
Advanced German G 303 ........................................... 8
Advanced German G 304 ........................................... 3
German Culture and Civilization G 377 ..................... 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

HEALTH ELEMENTARY EMPHASIS

Required 15 credits: .......................... Area Credits
Health Education PE 100 ........................................... 3
Nutrition H 207 ......................................................... 3
Human Anatomy & Physiology Z 107 .............. 4
School Health PE 415 ............................................. 3
Human Growth & Motor Development PE 205 ........... 2

Electives 6 credits:
Human Sexuality P 261 ............................................. 3
Drugs: Use and Abuse H 109 .................................. 3
Man and The Environment B 200 ...................... 3
Disease Condition I H 211 .................................. 3
Abnormal Psychology P 301 .......................... 3

NOTE: This emphasis requires 21 credit hours.

LANGUAGE ARTS ELEMENTARY EMPHASIS

Required 21 credits: .......................... Area Credits
Survey of American Literature E 271 or 272 ............... 3
Introduction to Literature E 131 ................................. 3
Grammar & Language Use for Teachers TE 216.......... 3
Fundamentals of Speech Communication CM 111 .............. 3
OR
Speech Communication for Teachers CM 311 .......... 3
Children’s Literature TE 316 .................................. 3
Teaching English Composition E 301 ............... 3
Intro to Language Studies LI 305 ......................... 3

Electives 3 credits:
Mythology E 217 .................................................. 3
North American Indian Folktale & Lit E 219 .......... 3
Pupperty TA 281 ................................................... 3
Children’s Theatre TA 287 .................................. 3
Literature for Young Adults TE 341 ...................... 3

NOTE: This emphasis requires 24 credit hours, 6 of which may apply to Area I and 6 of which (CM 111 or CM 311 and TE 316) may apply to Elementary Education major.

MATHMATICS ELEMENTARY EMPHASIS

Required 21 or 22 credits: .......................... Area Credits
Elem Math for Teachers M 103 and 104 .................. 8
Math for Liberal Arts Students M 100 .......... III 4
Intermediate Algebra M 108 ................................... 4
OR
Algebra and Trig M 111 ........................................... 5
A First Course in Programming M 122 ................... 2
Intro to Computers M 109 .................................. 3

This emphasis requires 21 or 22 hours (including whether M 108 or M 111 is taken), 4 of which apply to Area III (8 of 12 Area III credits must be in science), and 8 (M 103 & M 104) of which apply to Elementary Education major.

MUSIC ELEMENTARY EMPHASIS

Required 14 credits: .......................... Area Credits
Intro to Music MU 133 ............................................. 3
Elements of Music MU 103 ................................... 3
Teach Music in Elem Classroom MU 372 .......... (In lieu of MU 101)

96
Private voice lessons (one year) ........................................... 4
Music Ensemble (one year) ............................................... 2
Basic Conducting MU 281 .................................................. 6

Electives 6 credits:
Piano or Guitar Lessons .................................................... 6

NOTE: This emphasis requires 20 credit hours, 3 of which (MU 133) may also apply to Area II and 4 of which (MU 103 and MU 372) apply to Elementary Education major.

NOTE: This emphasis does not qualify a person to be certified as a music specialist.

PHYSICAL EDUCATION ELEMENTARY EMPHASIS

Required 12 Credits:
Rhythmic Skills PE 113 ..................................................... 1
Tumbling Skills PE 115 ....................................................... 1
Sports Skills PE 117 ........................................................... 1
Human Growth & Motor Development PE 205 ...................... 3
Dance for Children PE 357 ............................................... 2
Elem School PE, Methods PE 361 ....................................... 3
Motor Prog for Special Groups PE 369 ................................. 2

Electives 8 credits:
Health Education PE 100 ................................................. 3
Nutrition H 207 ................................................................. 3
Human Anatomy & Physiology Z 107 ................................. 3
Anatomical Kinesiology PE 230 ........................................... 3
Physiology of Exercise PE 310 ........................................... 3
School Health Prof & Methods PE 415 ............................... 3
Adaptive Physical Education PE 451 .................................... 3
Volleyball PE 143 ............................................................ 1
Basketball PE 144 ............................................................ 1
Wrestling PE 217 ............................................................. 1
Coaching Methods PE ........................................................ 3
Internship in Elem PE, PE 493 ............................................. 3

NOTE: This emphasis requires 20 credit hours, 3 of which (PE 361) apply to Elementary Education major.

READING ELEMENTARY EMPHASIS

Required 17 credits:
Reading and Study Skills TE 108 ........................................ 2
Teaching Begin Reading K-3 TE 305 ..................................... 3
Teaching Intermediate Reading 4-6 TE 306 ............................ 3
Children’s Literature TE 316 ............................................. 3
Internship in Reading TE 493 ............................................. 3

Electives 5 credits:
Literature for Young Adults TE 341 ................................. 3

OR
Lit for use in Jr & Sr High School E 481 ............................ 3

NOTE: This emphasis requires 20 credits, 9 of which (TE-305, 306, & 316) apply to Elementary Education major.

SCIENCE ELEMENTARY EMPHASIS

Required 16 credits:
Concepts of Biology B 100 .................................................. III 4
Foundations of Physical Science PS 100 .............................. III 4
Intro to Descriptive Astronomy PH 105 .............................. III 4
Fundamentals of Geology GO 100 ...................................... III 4

Electives 4 credits:
General Biology B 101 & 102 ........................................... III 4
This sequence may be taken instead of B 100
Concepts of Chemistry C 100 .............................................. III 4
General Physics PH 101 & 102 .......................................... III 4
This sequence may be taken instead of PS 100
PREREQ: Algebra and Trigonometry.
Energy for Society EN 100 .................................................. III 4
General Botany BT 130 ..................................................... III 4

NOTE: This emphasis requires 20 credit hours, 12 of which may apply to Area III.

SOCIAL STUDIES ELEMENTARY EMPHASIS

Required 24 credits:
United States History HY 151-152 ................................... II 6

OR
Problems in U.S. History HY 251-252 ............................. II 6
History of Western Civilization HY 101-102 ..................... II 6

OR
Problems in Western Civilization HY 201-202 ................. II 6
Intro to Multi-Ethnicities SO 230 ..................................... II 3

NOTE: This emphasis requires 24 credit hours, 12 of which may apply to Area II.

SPANISH ELEMENTARY EMPHASIS

Required 19 credits:
Elementary Spanish S 101-102 ....................................... 8
Intermediate Spanish S 201-202 ....................................... 8
Teaching Methodology in Foreign Lang FL 412 ..................... 3

Electives 3 credits:
Advanced Spanish S 303 ................................................ 3
Advanced Spanish S 304 ................................................ 3
Cultura y Civilizacion Hispanoamericano S 377 ................. 3

NOTE: This emphasis requires 22 credit hours, 3 of which may also apply to Area I.

MIDDLE SCHOOL ELEMENTARY EMPHASIS

MIDDLE SCHOOL/ART ELEMENTARY EMPHASIS*
MIDDLE SCHOOL/BILINGUAL ELEMENTARY EMPHASIS
MIDDLE SCHOOL/FRENCH ELEMENTARY EMPHASIS*
MIDDLE SCHOOL/GERMAN ELEMENTARY EMPHASIS*
MIDDLE SCHOOL/HEALTH ELEMENTARY EMPHASIS
MIDDLE SCHOOL/LANGUAGE ARTS ELEMENTARY EMPHASIS
MIDDLE SCHOOL/MATHEMATICS ELEMENTARY EMPHASIS
MIDDLE SCHOOL/PHYSICAL EDUCATION ELEMENTARY EMPHASIS*
MIDDLE SCHOOL/READING ELEMENTARY EMPHASIS*
MIDDLE SCHOOL/SCIENCE ELEMENTARY EMPHASIS
MIDDLE SCHOOL/SOCIAL STUDIES ELEMENTARY EMPHASIS
MIDDLE SCHOOL/SPANISH ELEMENTARY EMPHASIS*

*These emphases will lead to an endorsement on the elementary teaching certificate enabling the candidate to teach the specific subject matter in secondary schools.

MIDDLE School emphases, except for French, German, and Spanish, require 4 additional credit hours beyond the emphases without the “Middle School” prefix, as explained below:

• 1 additional credit by taking TE 484 Jr/High/Middle School Student Teaching (6 Cr) in lieu of TE 472 Elementary Student Teaching (5 CR).
• 3 additional credits by taking either TE 381 Secondary School Methods, or 3 credits in special secondary methods.

French, German, and Spanish require only 1 additional credit since the special methods class, FL 412 Teaching Methodology in Foreign Language, is required in the emphasis.

CERTIFICATION REQUIREMENTS FOR ELEMENTARY EDUCATION

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education or Bachelor of Arts in Bilingual Multicultural 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 College 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.
CERTIFICATION REQUIREMENTS & ENDORSEMENTS FOR SECONDARY EDUCATION


1. Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:
   a. Completion of baccalaureate degree including education requirements.
   b. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
   c. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the Department subject area specialization and the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subject 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.

2. A standard secondary certificate may be issued by the State Board of Education to any person of good moral character who has a Bachelor's degree from an accredited college or university and meets the following requirements:

   Idaho requires a minimum of 20 semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

   These basic requirements are translated into the following required Boise State University Courses:

   **Boise State University Courses**

<table>
<thead>
<tr>
<th>Single</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subjects TE 307</td>
<td>3</td>
</tr>
<tr>
<td>Educating Exceptional Secondary</td>
<td></td>
</tr>
<tr>
<td>Students TE 333</td>
<td>1</td>
</tr>
<tr>
<td>Educational Psychology P 325</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods TE 381</td>
<td>3</td>
</tr>
<tr>
<td>Special Methods required by Major</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>3</td>
</tr>
<tr>
<td>Student Teacher Alternatives</td>
<td>9</td>
</tr>
<tr>
<td>(See Below)</td>
<td>25</td>
</tr>
</tbody>
</table>

   **Student Teaching Alternatives**

   1. Single Alternatives
      - Junior High-Middle School Student Teaching TE 482 | 8 |
      - The Junior High-Middle School TE 486 | 1 |
      - Senior High School Student Teaching TE 483 | 8 |
      - The Senior High School TE 487 | 1 |

   2. Composite Alternative
      - The Junior High-Middle School TE 486 | 1 |
      - Composite-Junior High-Middle Sch Student Teaching TE 484 | 6 |
      - Composite-Senior High Sch Student Teaching TE 485 | 6 |
      - The Senior High School TE 487 | 1 |

   **NOTE:** The above alternatives all lead to a standard secondary certificate (grades 7-12), and offer a variety of student teaching experiences.

   Alternative "1.a." provides for a Junior High/Middle School experience. Alternative "1.b." provides for a Senior High School Experience. Alternative "2." provides for a combination of Junior High/Middle School and Senior High School experiences. Students should consider alternative "2" if their teaching fields are applicable to both the junior and senior high school level. It is highly desirable to discuss such alternatives with the major advisor and with a member of the Secondary Education faculty in the Department of Teacher Education and Library Science well in advance of applying for student teaching.

   Students may complete the student teaching requirements in either the fall or spring semester of their senior year. The advisor should be consulted as to the better time based upon offerings in the major field and other considerations.

   **Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of Teacher Education and Library Sciences. See ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES for specifics regarding student teaching.**

3. To be recommended for certification from Boise State University, the student must complete the Secondary Option degree program within a selected department. Such completion represents a major certification endorsement (at least 30 credit hours) in a teaching field. It is highly recommended that the student complete a minor certification endorsement of at least 20 credit hours in another field as an additional minor certification endorsement enhances the opportunity for employment.


4. A listing of the Boise State University minor certification endorsements is included for the convenience of students.

   **Requirements for Minor Certification Endorsements**

   **NOTE:** Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Field Services for further information.

   **ANTHROPOLOGY:**

   **Social Science Major:**
   - Physical Anthropology AN 201 .................................................. 3
   - Cultural Anthropology AN 202 .................................................. 3
   - Peoples and Cultures of the World AN 311 ................................. 3
   - Additional upper division Anthropology .................................. 6
   - 21

   **Non-Social Science Major:**
   - Physical Anthropology AN 201 .................................................. 3
   - Cultural Anthropology AN 202 .................................................. 3
   - Introduction to Archeology AN 203 ............................................. 3
   - Peoples and Cultures of the World AN 311 ................................. 3
   - Additional upper division Anthropology .................................. 9
   - 21

   **ART:**
   - Introduction to Art AR 103 ................................................... 3
   - Basic Design AR 105-106 ....................................................... 4
   - Drawing AR 111, 112 ......................................................... 2
   - Painting AR 113, 114 ......................................................... 2
   - 2 hours from Sculpt, Metals, Ceramics, Methods in Craft ................ 2
   - Electives from 100-400 Regular Courses ................................. 7
   - Suggested Electives: Art History, Lettering, Photography, Printmaking, Weaving and those listed above .................................................. 20

   **BIOLOGY:**
   - General Biology B 101-102 .................................................. 8
   - or General Botany BT 130 & Gen Zool Z 130 .......................... 9
   - Systematic Botany BT 201 ................................................... 4
   - Concepts of Anatomy and Physiology Z 107 .......................... 4
   - Genetics, Lab B 343, 344 OR Vertebrate Nat Hist Z 355 ............... 4
   - 20-21

   **BUSINESS EDUCATION:**

   **(No Minor Certification Endorsement)**

   **CHEMISTRY:**
   - 100 level General Chemistry Courses .................................. 8-10
   - Organic Chemistry Courses .................................................. 5
   - Additional Courses in Analytical, Physical, Inorganic ................ 4
   - or Biochemistry ............................................................... 4
   - Mathematics to the M 111 Algebra and Trig Level ..................... 5
   - 22-24
### COMMUNICATION: (Speech)
- Fundamentals of Speech CM 111: 3
- Reasoned Discourse CM 112: 3
- Interpersonal Communication CM 221: 3
- Speech-Communication for Teachers CM 311: 3
- Methods of Teaching Communication CM 401: 3
- Electives selected from:
  - Mass Communication CM 171: 3
  - Oral Interpretation CM 241: 3
  - Communication in the Small Group CM 251: 3
  - Interviewing CM 307: 2
  - Message Analysis and Criticism CM 331: 3
  - Non-Verbal Communication CM 341: 2
  - Intercultural Communication CM 351: 3

### CONSUMER EDUCATION:
(See Marketing and Administrative Services Department)
- Consumer in the Marketplace HE 250: 3
- Principles of Economics EC 201-202: 6
- Personal Finance and Investments FI 108: 3
- Money and Banking EC 301: 3
- Basic Marketing Management MK 301: 3
- Consumer Education in Schools BE 411: 3

### EARTH SCIENCE:
- Physical Geology GO 101: 4
- Historical Geology GO 103: 4
- Introduction to Ocean Geology GO 201: 3
- Introduction to Geology GO 213: 3
- Introduction to Descriptive Astronomy PH 105: 4
- Electives selected from:
  - Geology of Idaho & Pacific NW GO 213: 3
  - Mineralogy GO 221: 4
  - Geomorphology GO 313: 3
  - Invertebrate Paleontology Physics of the Earth GO 351: 3
  - Environmental Geology GO 511: 3

### ECONOMICS:
- Principles of Macroeconomics EC 201: 3
- Principles of Microeconomics EC 202: 3
- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- Upper Division Economics Courses: 6

### ENGLISH:
- Advanced Composition: 3
- Linguistics: 3
- Survey of American Literature E 271 or 272: 3
- Teaching English Composition E 301 OR: 3
- Methods of Teaching Secondary School English E 381: 3
- Upper Division Literature: 6

### FOREIGN LANGUAGE:

- **French:**
  - Required 19 Credits: 3
    - Elementary French F 201-202: 8
    - Intermediate French F 201-202: 8
    - Teaching Methodology in For Lang FL 412: 3
  - Electives 3 credits:
    - Advanced French F 303: 3
    - Advanced French F 304: 3
    - La Civilisation Francophone Moderne F 377: 3
  - NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

- **German:**
  - Required 19 credits: 3
    - Elementary German G 101-102: 8
    - Intermediate German G 201-202: 8
    - Teaching Methodology in For Lang FL 412: 3
  - Electives to complete 20 hours: 6

### COLLEGE OF EDUCATION

#### Electives 3 credits:
- Advanced German G 303: 3
- Advanced German G 304: 3
- German Culture and Civilization G 377: 3

**NOTE:** This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

#### Spanish

- Required 19 credits:
  - Elementary Spanish S 101-102: 8
  - Intermediate Spanish S 201-202: 8
  - Teaching Methodology in For Lang FL 412: 3
- Electives 3 credits:
  - Advanced Spanish S 303: 3
  - Advanced Spanish S 304: 3
  - Cultura y Civilizacion Hispanoamericano S 377: 3

**NOTE:** This emphasis requires 22 credit hours, 3 of which may also apply to Area I.

#### GEOGRAPHY

- Introduction to Geography GG 101: 3
- Cultural Geography GG 102: 3
- Upper Division Geography (minimum): 6
- Geography Courses (minimum): 8

#### GENERAL SCIENCE

- Complete the basic sequence of courses in:
  - B 101-102 or BT 130 and Z 130: 8-9
  - Chemistry C 107,108,109,110: 8
  - Geology GO 101-103: 8
  - Physics PH 101-102: 8

#### HEALTH EDUCATION:

- Anatomy and Physiology Z 107: 4
- Health Education PE 100: 3
- Advanced First Aid PE 122: 3
- Nutrition H 207: 3
- Adolescent Psychology P 312: 3
- School Health Problems & Methods PE 305: 3
- Consumer Health PE 405: 2
- Organization & Admin of P.E. PE 457: 3
- Additional electives to be selected from the following courses with the approval of the Physical Education Department:
  - First Aid Instructor Trainer Course PE 123: 1
  - Human Sexuality P 261: 3
  - Abnormal Psychology P 301: 3
  - Drugs, Use and Abuse H 109: 2
  - Health Delivery Systems H 302: 3
  - Intro to Disease Conditions H 203: 3
  - Chronic Illness: Impact & Outcome H 205: 3

#### HISTORY:

- Lower Division:
  - US History HY 151-152 or Prob in US History HY 251-252: 6
  - Western Civ or Prob in West Civ HY 101-102-103: 3
  - American Government (State-Required): 3
- Upper Division Courses to include 3 credit hours of US History with remaining 9 credit hours selected from 2 of 3 major History areas:
  - U.S., European, Third World: 12

#### MATHEMATICS:

- Digital Computer Programming M 122,124: 2
- Calculus M 204,211: 5
- Calculus M 205,212: 4-5
- At least 1 of the following:
  - Introduction to Abstract Algebra M 302: 3
  - Number Theory M 306: 3
- Fundamentals of Statistics M 361: 4
- Electives to complete 20 hours: 6-4

- Notes:
  - At least 1 of the following: 3-4
  - Electives to complete 20 hours: 6-4
**COLLEGE OF EDUCATION**

**MUSIC**

**Instrumental Track:**
- Materials of Music MU 119-120 ........................................ 8
- Ear Training MU 121-122 ............................................. 2
- Introduction to Music MU 133 ........................................ 3
- Basic Conducting MU 261 ............................................ 1
- Orientation to Music ME 271 ........................................ 11
- 1 year Applied Music ................................................ 4
- 1 year Major Performance Ensemble .............................. 2
- String Instrument Methods & Tech MU 257 ..................... 2
- Woodwind Methods & Tech MU 266 ............................... 2
- Instrumental Conducting MU 366 .................................. 1
- Percussion Methods & Tech MU 8 .................................. 2
- Brass Methods & Tech MU 369 .................................... 2
- Band & Orchestra Methods & Materials ......................... 2

**Choral Track**
- Materials of Music MU 119-0 ....................................... 8
- Ear Training MU 121-122 .......................................... 2
- Vocal Techniques MU 256 ......................................... 3
- Basic Conducting MU 261 ......................................... 1
- Orientation to Music Education ME 271 ....................... 1
- 1 year Applied Music (Major Instrument) .................... 4
- 1 year Performance Ensemble .................................. 2
- 1 year Applied Music (Voice or Piano) ......................... 4
- Choral Conducting MU 365 ....................................... 1
- Choral Methods and Materials MU 385 .......................... 2

**PHYSICAL EDUCATION**

**Physical Education Core (Required of all P.E. Minors)**
- Human Anatomy & Physiology Z 107 ........................... 4
- Health Education PE 100 .......................................... 3
- Standard First Aid & CPR PE 121 ............................ 1
- Foundations of Physical Education PE 101 ................... 3
- Rhytmic Skills PE 113 ............................................. 1
- Tumbling Skills PE 115 .......................................... 1
- Sports Skills PE 117 ............................................... 1
- Standard First Aid & CPR PE 121 ............................ 1
- Secondary School P.E. Methods PE 304 .................... 3
- OR
- Elementary School P.E. Methods PE 351 .................. 3
- Coaching Methods PE 3 ........................................... 3
- Internship in P.E. PE 493 ....................................... 3

*Additional Electives to be selected from the following courses with the approval of the Physical Education Department*

**SKILL COURSES**
- Volleyball PE 143 ................................................. 1
- Basketball PE 144 ................................................. 1
- Track and Field PE 212 .......................................... 1
- Wrestling PE 217 ................................................ 1
- Gymnastics PE 136 ............................................... 1
- Tennis PA 173 .................................................. 1

**BASIC COURSES**
- Anatomical Kinesiology PE 230 ................................. 3
- Physiology of Exercise PE 310 .................................. 3
- Biomechanics PE 311 ............................................ 3
- Psychology of Activity PE 401 .................................. 3
- Adapted Physical Education PE 451 ......................... 3
- Human Growth & Motor Development PE 205 .............. 2

**APPLIED PHYSICAL EDUCATION COURSES**
- Introduction to Athletic Injuries PE 236 ...................... 2
- Conditioning Procedures for Sports PE 313 .................. 2
- Dance for Children PE 357 .................................... 2
- Motor Programming for Special Populations PE 369 ....... 2
- Cooking—The Nature of the Profession PE 430 ............. 2

**PHYSICS:**
- General Physics PH 101-102 .................................. 8
- Introduction to Descriptive Astronomy PH 108 .......... 4
- Technical Drawing EN 101 OR ................................ 4
- Engineering Graphics EN 107 .................................. 2

**Computer Programming EN 104 or EN 107 .................. 2 or 3
Math Skill Equivalent to M 111 .................................. 5

**POLITICAL SCIENCE:**
- American National Government PO 101 ....................... 3
- Contemporary Political Ideologies PO 141 ................... 3
- Comparative European Governments & Politics PO 229 .. 3
- International Relations PO 231 ................................. 3
- American History .................................................. 6
- Political Science Electives (Upper Division) .............. 3

**PSYCHOLOGY:**
- General Psychology P 101 .................................... 3
- Abnormal Psychology P 301 .................................... 3
- Statistical Methods P 305 ...................................... 3
- Personality P 351 ................................................. 3
- Psychology Upper Division Electives ......................... 3

**SOCIOLGY**
- Introduction to Sociology SO 101 ............................ 3
- Social Statistics SO 310 ....................................... 3
- Social Research SO 311 ....................................... 3
- History of Sociology SO 401 OR ............................ 3
- Current Sociological Perspectives SO 402 ............... 3
- Sociology Electives .............................................. 3

**THEATRE ARTS:**
- Technical Theatre TA 117-118 ................................ 8
- Acting TA 215 .................................................... 3
- Major Production Participation TA 331 .................... 1
- World Drama TA 341,342,353 ................................. 3
- Directing TA 491 ................................................. 3
- Theatre History TA 421 or 422 ............................... 3

**SPECIAL EDUCATION, SECONDARY**

Students wishing to pursue a program leading to certification as a Special Education teacher will need to arrange consultation with a Special Education faculty member in the Department of Teacher Education and Library Science. The student wishing to pursue such a plan should investigate this option as early as possible since a minimum of thirty (30) credits will be required in the program leading to certification.

**READING, SECONDARY**

Students who wish to receive an endorsement to teach reading in secondary schools may do so by following a program designed in consultation with a faculty member in the Reading Center.

**GRADUATE PROGRAMS IN EDUCATION**

A Master of Arts/Science in Education is offered through the Department of Teacher Education and Library Science. The candidate may select from 11 areas of emphasis: (1) Curriculum and instruction, (2) Early Childhood, (3) Reading, (4) Special Education, (5) Art, (6) Business Education, (7) Earth Science, (8) English, (9) History, (10) Mathematics, and (11) Music. The specifics of the programs are presented in the Graduate College section of this catalog.

**SERVICES**

**PLACEMENT**

A teacher Placement Service is provided by the Boise State University Career and Financial Services Office. Check with the Director regarding eligibility to use this service and procedures for doing so.

**READING EDUCATION CENTER**

The Center provides special services for University and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

**COURSE OFFERINGS**

**NOTE:** Most Foreign Language Courses require a lab fee.
FL FOREIGN LANGUAGE
FL 412 TEACHING METHODOLOGY IN FOREIGN LANGUAGE (3-0-3). Discussion of problems and trends in language learning applied to practical activities, culture presentations, testing, teaching aids and resource materials. Practicum—visitations, developing teaching plans, presenting teaching units. PREREQ: Nine Upper Division credits in one language or PERM/DEPT.

FR FRENCH
NOTE: Most Foreign Language Courses require a lab fee.

Lower Division
F 101-102 ELEMENTARY FRENCH (4-1-4)(F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, Web-enabled lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.
F 101-P 102-P PROGRAMMED ELEMENTARY FRENCH (2-4). A self-paced, taped programmed course which provides for practice in pronunciation, reading, writing, grammar analysis and conversation. One period of conversation practice per week required.
F 201-202 INTERMEDIATE FRENCH (4-1-4)(Area I). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, practice in conversation and in A-V laboratories. PREREQ: F 102 or PERM/DEPT.

Upper Division
F 203 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, pronunciation, and use of the language. The emphasis will be on writing essays, paragraphs and letters. PREREQ: F 202 or equivalent. Alternate years.
F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course has similar objectives as F 203. Discussions and exercises will concern the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings, style imitations and personal essays. PREREQ: F 202 or equivalent. Alternate years.
F 359 LES GRANDES OEUVRES CONTEMPORAINES (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French speaking world since the end of the 'ancien regime,' the French Revolution; history, politics, art, geography, literature, music and science; assessment of the contribution of French Culture to the Western World. PREREQ: F 202 or PERM/DEPT. Alternate years.
F 376 LA CIVILISATION FRANCAISE HISTORIQUE (3-0-3). Studies in the development and expansion of French culture from pre-history to the French Revolution. History, politics, art, geography, literature, music and science; assessment of the contribution of French Culture to the Western World. PREREQ: F 202 or PERM/DEPT. Alternate years.
F 377 LA CIVILISATION FRANCOPHONE MODERNE (3-0-3). Studies in modern French civilization since the end of the "ancien regime," the French Revolution; history, politics, art, geography, literature, music and science; assessment of France's contribution to the modern democracies. PREREQ: F 202 or PERM/DEPT. Alternate years.

G GERMAN
NOTE: Most Foreign Language Courses require a lab fee.

Lower Division
G 101-102 ELEMENTARY German (4-1-4). Listening, speaking, reading and writing skills in a cultural framework. May not enroll in G 101 for credit with one year of high school German or equivalent with PERM/INST. Students lacking adequate preparation may do so.
G 101-P 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.
G 201-202 INTERMEDIATE GERMAN (4-1-4)(Area I). A continuation of G 101-102. This course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. PREREQ: G 102 or equivalent as determined by placement exam and consultation.

Upper Division
G 303 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Practice towards idiomatic fluency through reading, newspaper articles, essays, discussion of slides, tapes, and films. Frequent writing required. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.
G 304 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Similar goals and format to G 303. More extended writing assignments. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.
G 331 INTRODUCTION TO GERMAN LITERATURE AND LITERARY STUDIES (3-0-3)(F). An introduction to German literature and literary criticism. Major works are read and discussed. Major works are read and discussed. Major emphasis is on the pre-modern and modern. PREREQ: G 304 or equivalent as determined by placement exam and consultation.
G 331 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from prehistoric times through the 18th Century. Contributions to societies in Germany, Austria, Switzerland and to western civilization. Class conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.
G 377 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from 1800 to present. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.
G 410 APPLIED LINGUISTICS FOR THE GERMAN LANGUAGE TEACHER (2-0-2). Functional application of linguistic theory to foreign language teaching and learning practices. Analysis of both traditional, descriptive, and transformational models deal with phonology, morphology and syntax. PREREQ: G 303 or minimum of six credits upper division German and/or evidence teaching and/or equivalency as determined by placement test and interview. Alternate years.
G 415 AUFKLARUNG UND DER STURM UND DRANG (18th CENTURY) (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress". Selections from Gutschard, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Leibniz, H.G.E. Lessing, M.W. Lenz; the early Goethe and Schiller, etc. PREREQ: G 331 or PERM/INST. Alternate years.
G 425 DER TRAUM DER ANTIKE UND DIE TRAUMWELT (1700-1830) (3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderlin, Klein, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brenn- tano, etc. PREREQ: G 331 or PERM/INST. Alternate years.
G 435 REAKTION: LIBERAL UND KONSERVATIV (19th CENTURY) (3-0-3). Selections from a wide cross-section of 19th century German Literature. Buchner, the "Young Germans", Gillerpazar, Hebbel, Gotthold and others. PREREQ: G 331 or PERM/INST. Alternate years.
G 445 DIE MODERNE ZEIT BEGINNIT (1900-1945) (3-0-3). "ism's," and trends in literature and its history, from the turn of the century through the Weimar Republic, to the collapse of the Third Reich: Naturalism, impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature. PREREQ: G 331 or PERM/INST. Alternate years.
G 455 "ALS DER KRIEG ZU ENDE WAR..." (1945-present) (3-0-3). Selections will be taken from the authors, essayists, dramatists and poets who have appeared on the scene since 1945 treating the war and post-war experience, and the human condition in the contemporary world. Austrian, East German, Swiss and West German writers. PREREQ: G 331 or PERM/INST. Alternate years.
G 463 EUTHEISCHSCHRACHTHEIT WORT UND HEUTE (3-0-3). An in-depth analysis of contemporary literature, with attention to the naturalistic style. Discussion includes educational systems, science and culture, art and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or G 477 or PERM/INST. Alternate years.
G 463 EUTHEISCHSCHRACHTHEIT WORT UND HEUTE (3-0-3). A continuation of a contemporary literature course, with attention to the "moderne" style. Discussion includes educational systems, science and culture, art and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or G 477 or PERM/INST. Alternate years.

GR GREEK
NOTE: Most Foreign Language Courses require a lab fee.
GR 101-102 GREK LANGUAGE & LITERATURE (3-0-3). An introductory course providing the student with a basic knowledge of the forms and syntax of the language, with reading exercises and passages excerpted from ancient authors. Translation and analysis of extended passages and Christian texts is undertaken. Erythymatological study illustrates the role of the ancient languages to Greek. Alternate years.

LA LATIN
NOTE: Most Foreign Language Courses require a lab fee.

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

LS LIBRARY SCIENCE COURSES
LS 102 LIBRARY SKILLS I (2-0-1)(F,S). An independent self-paced course in library skills including resources common to academic libraries in general and to faculties in the Boise State University Library. In particular, describes the use of academic libraries with an academic advisor and for returning students who have had difficulty using the college library in the past.
LS 103 LIBRARY SKILLS II (0-0-1). Build on LS 102 Library Skills I and introduces additional and more sophisticated library materials and techniques. PREREQ: Prior or concurrent enrollment in LS 102.
LS 201 INTRODUCTION TO THE USE OF LIBRARIES AND THE TEACHING OF LIBRARY SKILLS (2-3-3) (F,S). Teaches efficient use of library materials, reference and special libraries; use of indexes and reference sources in various subject fields and prepares teachers and librarians to teach library skills to elementary and secondary school students.

Upper Division
LS 301 LIBRARY ORGANIZATION AND ADMINISTRATION (3-0-3) (F,S). An introduction to the development, organization and management of all types of libraries with emphasis upon the school library and its place in the instructional program. PREREQ: LS 201 or PERM/INST.
LS 311 REFERENCE AND BIBLIOGRAPHY (3-0-3)(F,S). An introduction to the development, organization and management of all types of libraries with emphasis upon the school library and its place in the instructional program. PREREQ: LS 201 or PERM/INST.

NOTE: Most Foreign Language Courses require a lab fee.
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ELEMENTARY RUSSIAN (4-1-4). This course is designed to develop the beginning student’s abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years, presented to the seminar. PREREQ: Senior standing or PERM/INST.

S SPANISH

NOTE: Most Foreign Language Courses require a lab fee.

Lower Division
S 101-102 ELEMENTARY SPANISH (4-1-4). Develops abilities in understanding, speaking, reading and writing. Offers a basic study of grammatical structures and vocabulary in Spanish. Introduces the student to Hispanic culture. Students may not enroll for S 101 for credit if they have had more than one year of high school Spanish or the equivalent. PREREQ: S 201-202 or IMMEDIATE SPANISH (4-1-4) Area II. Intended to further develop Spanish language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. PREREQ: S 102 or equivalent as determined by placement examination and consultation.
S 202 SPANISH 1: THE DEVELOPMENT OF SPANISH (4-1-4). A course designed for students majoring in Spanish, especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202 PRIEREQ: S 201-202 or equivalent as determined by the placement test. Course conducted in Spanish. Alternate years.

Upper Division
S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Expands 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. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.
S 304 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Explores the Spanish Speaking world and other areas of immediate concern to the student. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.
S 311 INTRODUCTION TO HISPANIC LITERATURE AND LITERARY ANALYSIS (3-0-3).A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Spanish literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation.
S 377 CULTURA Y CIVILIZACION HISPANOMERICA (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, and cultural development of the Americas and the contributions to the western world. Discussions in Spanish; some readings in English. Papers required. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.
S 385 LA GENTE MEXICANA-AMERICANA EN LOW ESTADOS UNIDOS (3-0-3). Deals with contemporary Spanish-America through major representative authors and works. Genesis of new perspectives and expansion of vocabulary through cultural and literary readings, an opportunity to develop language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.
S 411 ESPANOL AVANZADO (3-0-3). An advanced oral and written communication course for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 411 PRIEREQ: S 202-203 or equivalent as determined by the placement test. Course conducted in Spanish. Alternate years.

S 445 LITERATURE ESPANOLA: SIGLOS XV-XVI (3-0-3). The main manifestations of thought and literature from 1460 to 1550, including the periods of the Renaissance, Realism and Romanticism. PREREQ: S 331 or PERM/INST. Alternate years.
S 447 LITERATURE HISPANOAMERICANA: SIGLO 19 (3-0-3). A detailed study of the representative movements, periods, works, and authors from 1860 to 1910. PREREQ: S 331 or PERM/INST. Alternate years.
S 455 EDAD DE ORO DE LA LITERATURA ESPANOLA (3-0-3). The major literary movements of the Golden Age in Spain (16th-17th centuries), with emphasis on representative authors from each. PREREQ: S 331 or PERM/INST. Alternate years.
S 457 LITERATURE HISPANOAMERICANA: COLONIA Y SIGLO 18 (3-0-3). An introduction to the major authors, works, movements, and periods of the Spanish-American literature from the colonial time to the end of the 18th century. PREREQ: S 331 or PERM/INST. Alternate years.
S 465 LITERATURE ESPANOLA MEDIOVAL Y RENACENTISTA (3-0-3). An introduction to the principal authors, works, movements, and periods of Spanish literature from its early beginnings to the end of the 15th century. PREREQ: S 331 or PERM/INST. Alternate years.
S 475 EVENTOS CONTemporaneos DE GENTES Y PAISES HISPANOHablantes (3-0-3). A leauret and discussion course based on current social, economic, cultural and political events in Spanish-speaking countries. Special attention will be given to an in-depth examination and analysis of the people, viewpoints, and institutions, as well as the problems, issues and trends facing this people in their respective countries today. PREREQ: S 376 or S 377 or S 304 or PERM/INST.
S 498 SENIOR SEMINAR (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors with Liberal Arts emphasis. PREREQ: Senior standing or PERM/INST.

TE TEACHER EDUCATION

Lower Division
TE 108 EFFICIENT READING AND EFFECTIVE STUDY SKILLS (2-0-3FS). Develops the reading and study skills of the college student. Areas of study include study techniques, taking exams, building vocabulary, comprehending reading material, gaining main ideas, using the library, and reading rapidly and flexibly. Graded pass/fail.
TE 171 INTRODUCTION TO TEACHING I: CLASSROOM OBSERVATION (1-3FS). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include observation in educational, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.
TE 202 FOUNDATIONS OF TEACHING ENGLISH AS A SECOND LANGUAGE (2-0-3FS). This course will provide the student with an introduction to the elementary school and the role of the teacher. Topics will include areas of specialization within the profession and a self-awareness of potential as an elementary school teacher. A minimum of ten hours of classroom observation and weekly seminars with a university instructor will be required.
TE 201 FOUNDATIONS OF EDUCATION (3-0-3) Area II. A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include observation in educational, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.
TE 215 GRAMMAR AND LANGUAGE USAGE FOR TEACHERS (3-0-3)S. This course will provide instruction in the content of language arts curriculum generally taught in grades 4-8. Students will study the developmental sequence of grammar, punctuation, spelling, and language study appropriate to each grade level. The course will also include an introduction to writing instruction.
TE 261 CHILD BEHAVIOR IN EARLY CHILDHOOD EDUCATION (3-0-3S). The influence of the home and school environments will be examined in relation to child behavior. Social and environmental variables will be examined. Parent and teacher manuals will be examined in relation to theories and appropriateness in managing young children's behavior.
TE 271 INTRODUCTION TO TEACHING II: INSTRUCTIONAL EXPERIENCE (1-2-1FS). This course will provide students with an opportunity to assist a teacher with a variety of instructional activities. Students will participate in seminars and a minimum of ten classroom observations. Prerequisites for the course will include an introduction to the elementary school and the role of the teacher. Topics will include areas of specialization within the profession and a self-awareness of potential as an elementary school teacher. A minimum of ten hours of classroom observation and weekly seminars with a university instructor will be required.
TE 278 MEXICAN AMERICAN TRADITION AND CULTURE IN THE ELEMENTARY CLASSROOM (2-0-2). An exploration of the Mexican-American cultural tradition, both with respect to its history as well as its influence on the contemporary American: language, linguistics, dance, art, folklore, customs, beliefs, and institutions. Area II. Graded pass/fail.
TE 281 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3FS) SU. The course shall provide students, through classroom presentation, visits, and readings, an opportunity to develop knowledge and skills related to the education of the exceptional child. All categories of exceptionality shall be explored as to their educational and psychological implications. Legal requirements, community resources and instructional needs will be included. PREREQ: P 101 and 171.

Upper Division
TE 305 TEACHING BEGINNING READING, K-3 (3-0-3FS) SU. Prospective teachers will learn how to teach reading in the primary grades. Students will examine and demonstrate competence in using basal reading systems, The Language Experience approach and individualization of reading instruction. PREREQ: Junior Standing.
TE 306 TEACHING INTERMEDIATE READING GRADES 4-6 (3-0-3FS) SU. Prospective teachers will learn how to teach reading in grades 4-6. Different groupings designs, the implementation of basal reader instruction, individual instruction, study skills, content area reading, word recognition skills, dictionary skills, research and library skills, and higher order cognitive skills will also be taught. PREREQ: Junior Standing.
TE 307 READING IN THE CONTENT SUBJECTS, SECONDARY (3-0-3)(FS SU). This course provides an understanding of reading as a communication skill, and stresses the responsibility of teachers to teach the vocabulary of their specific discipline. It focuses upon the commonality of natural language, its linguistic dimensions, and its instructional applications. Students will develop the ability to identify general principles of reading, the development of the language arts, and the value of wide and varied reading experiences. Literature from diverse cultures is studied and effectiveteaching strategies will be identified, analyzed and practiced. Prior completion of language arts, mathematics, social studies, and science is required. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). PREREQ: TE 451.

TE 455 BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(F). This course is designed to assist teachers in the planning and implementation of an action plan for the seriously behaviorally disordered student. Emphasis is placed upon the Learning Theory Model. Development of an intervention strategy to deal with the relationship of behavior to the environment will be stressed. PREREQ: TE 291.

TE 451 ELEMENTARY CURRICULUM AND METHODS (3-0-3)(F). This course will provide an overview of various approaches to reading instruction. Includes review of materials and media development of criteria for selection of appropriate instructional materials, instruction given in both English and Spanish. PREREQ: S 101, 102, 201, and 202 or S 203.

TE 456 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(FS/SU). This course will provide the candidate with a broad overview of the methods and materials appropriate to the developmental stages of school children (K-8). PREREQ: TE 451.

TE 445 REMEDIATION OF THE MILDLY/MODERATELY HANDICAPPED (3-0-3)(S). Provides methods and materials for remediation of learning disabled students. Students will be placed in classroom projects and field test preferred curriculum models. PREREQ: TE 430 or PERMIINST.

TE 440 INSTRUCTIONAL MATERIALS FOR THE EXCEPTIONAL CHILD (3-0-3)(F). Development of techniques in the evaluation and utilization of instructional materials and equipment by teachers of exceptional children will be the emphasis of this course. A survey and use of those materials and equipment currently in use will be included. In addition, students will utilize the Boise State Curriculum Resource Center as well as those available in local school districts will provide the materials base.

TE 450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(S). This course is designed for teachers, counselors, and administrators to gain an understanding of the principles of behavior modification and the development of an intervention strategy. Emphasis will be placed on the Learning Theory Model. Development of an intervention strategy to deal with the relationship of behavior to the environment will be stressed. PREREQ: TE 291.

TE 451 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). First course in a two-semester sequence. PREREQ: 103, 104.

TE 452 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(FS). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). First course in a two-semester sequence. PREREQ: 103, 104.
COLLEGE OF EDUCATION

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING - COMPOSITE (0-10-3)(FS). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for approximately one-half of the semester in his major and/or minor field under the supervision of university faculty. The other half of the semester will be in a junior high or middle school. PREREQ: Prior acceptance for student teaching; TE 201, 381. COREQ: TE 484, 486, 487. Graded pass/fail.

TE 486 THE JUNIOR HIGH/MIDDLE SCHOOL (1-0-1)(FS). This course will examine the characteristics of students, teaching methods, curriculum, and other problems and aspects specific to the junior high/middle school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. PREREQ: TE 201, 381. COREQ: TE 482 or 485.

TE 487 THE SENIOR HIGH SCHOOL (1-0-1)(FS). This course will examine the characteristics of students, teaching methods, classroom management, curriculum, and other problems and aspects specific to the senior high school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. PREREQ: TE 201, 381. COREQ: TE 482 or 485.

TE 489 SEMINAR: CONFLICT IN THE EDUCATIONAL SYSTEM (2-0-2). An interdisciplinary social science approach to practical educational considerations raised by authority, communication, culture, language, social stratification, personality differences, and other sources of conflict in education.

Graduate Courses

(See Graduate School Section for Course descriptions)

TE 501 ADVANCED PRACTICES AND PRINCIPLES OF TEACHING READING (3-0-3)(FSSU).
TE 502 DIAGNOSIS OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER) (3-0-3)(FSU).
TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER) (3-0-3)(FSU).
TE 504 SEMINAR IN READING EDUCATION (3-0-3)(FSU).
505 INDIVIDUAL TEST AND MEASUREMENTS (3-0-3).
TE 507 RELATING READING PROCESSES TO SECONDARY SCHOOL SUBJECTS (3-0-3)(F).
TE 508 TEACHING READING IN THE SECONDARY SCHOOL (3-0-3)(S).
TE 510 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING SOCIAL SCIENCE (3-0-3)(F).
TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY MATHEMATICS (3-0-3)(S).
512 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(S).
TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCIENCE (3-0-3)(F).
TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED STUDENTS (3-0-3)(F).
TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY-SEVERELY HANDICAPPED (3-0-3)(S).
TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S).
TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S).
TE 520 EDUCATIONAL MEDIA (3-0-3)(S).
TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(FSU).
TE 523 EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3)(FSU).
TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S).
TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(F).
TE 543 RESEARCH AND REVIEW IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).
TE 544 ADVANCING PHYSICAL AND INTELLECTUAL COMPETENCIES IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).
TE 545 CREATIVITY IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).
TE 546 DIAGNOSIS AND EVALUATION IN EARLY CHILDHOOD EDUCATION (3-0-3)(S).
TE 547 LANGUAGE ACQUISITION AND DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).
TE 548 PROGRAM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F).
TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH FOR TEACHERS (3-0-3)(F).
TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3)(S).
TE 559 VALUES AND IDEOLOGIES IN EDUCATION (3-0-3)(S).
TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(SU).
TE 564 CREATIVE TEACHING — SECONDARY SCHOOL (1-0-1)(SU).
TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(SU).
TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(SU).
TE 567 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(SU).
TE 568 TECHNIQUES OF INSTRUCTIONAL TECHNOLOGY (1-0-1)(SU).
TE 569 TESTING AND GRADING (1-0-1)(SU).
TE 570 GRADUATE CORE-ISSUES IN EDUCATION (3-0-3)(SU).
TE 571 GRADUATE CORE-DIRECTED WRITING (3-0-3)(SU).
TE 573 CREATIVE TEACHING — ELEMENTARY SCHOOL (1-0-1)(SU).
TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(S).
TE 590 PRACTICUM (V-V-V).
TE 591 PROJECT (V-V-V).
TE 593 THESIS (V-V-V).
The College of Health Science is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and training.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional coursework and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the University.

COOPERATING AGENCIES

Boise Samaritan Village, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Home Health, Boise, Idaho
Grand Oaks Healthcaré, Boise, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Idaho Veterans Nursing Home, Boise, Idaho
Intermountain Hospital, Boise, Idaho
Kootenai Memorial Hospital, Coeur d'Alene, Idaho
Magic Valley Regional Medical Center, Twin Falls, Idaho
Mercy Medical Center, Nampa, Idaho
Missoula Community Hospital, Missoula, Montana
Moritz Community Hospital, Sun Valley, Idaho
Patient and Family Support Institute, Inc., Boise, Idaho
St. Alphonsus Regional Medical Center, Boise, Idaho
St. Joseph's Hospital, Inc., Lewiston, Idaho
St. Luke's Regional Medical Center/Mountain States Tumor Institute, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Walter Knox Memorial Hospital, Emmett, Idaho
YWCA (Battered Women's Unit), Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho

UNIVERSITY/COMMUNITY HEALTH SCIENCES ASSOCIATION, INC.

The University/Community Health Sciences Association, Inc., is a non-profit corporation chartered by the State of Idaho for educational and charitable purposes, and to otherwise serve the University.

The objectives of the Association are to promote optimum health services for the community through excellence in health professional education, to promote the growth and development of the College of Health Science of Boise State University and its constituent educational programs, departments, and activities, and to encourage donations of funds and gifts to assist in carrying out these objectives.

The present officers and members of the Board of Directors of the Association are:

M.M. Burkholder, M.D., President
Edith Miller Klein, J.D., Vice President
Donald L. Pape, D.D.S., Secretary
Mrs. Bernice B. Comstock, Treasurer
David M. Barton, M.D.
Mr. Armand Bird
R. E. Bullington, Ed.D.
Victor H. Duke, Ph.D.
Mr. William K. Dunkley
Mr. A. B. Ellis
Maria Eschen, R.N., Ph.D.
Mrs. Marge Ewing
Mrs. Sybil Ferguson
Mr. John R. Frobenius
Mr. James A. Goff
Mrs. Klara Hansberger
John H. Keiser, Ph.D.
Mr. Lawrence H. Kistler
Mrs. Dorothy Reynolds
John W. Swartley, M.D.
Mr. Leonard O. Thompson
Wilfred E. Watkins, M.D.
Mr. Lyman D. Wilbur

Ex-officio Directors: Presidents of Ada County Medical Society; District 31 of Idaho Nurses Association; Southwestern Idaho District Medical Society.

Information may be obtained by contacting the Dean of the College of Health Science at (208) 385-1787.
**DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH**

Science Bldg. Room 110  Phone 208-385-3929

Chairman and Associate Professor: Dr. Eldon Edmundson; Associate Professor: Elaine M. Long; Glenda Cassell Hill, Coordinator, Homemaker Services; OSHA Consultants: Dr. Harry J. Beaulieu, Industrial Hygiene; Richard L. Hamisch, Safety; Dr. David Small, Industrial Hygiene; Advisory Board: Dick Adams, Melvin D. Alsager, Robert DesAuteliers, Nancy Ann Goodell, Tom Hopkins, Joan Krogh, Marsha Irvin, Jack Jelke, Ken Lustig, Blake Morgan, Robert C. Rychert, Lee Stokes.

Students in this Department study general aspects of human health which are affected by personal, social, and environmental conditions and interaction. Personal health conditions, the interrelationships between personal health and environmental conditions, and existing and future community health programs are all considered.

The Department of Community and Environmental Health offers Baccalaureate of Science degrees in Environmental Health and in General Health Sciences, and a non-degree program in Pre-Dietetics.

Career opportunities for graduates are as follows:
- **Environmental Health:** Employment with public health agencies, employment with industries.
- **General Health Sciences:** Employment with public health planning agencies, attend a graduate school in various science disciplines.
- **Health Care Career:** Employment with local planning and zoning agencies, attend graduate school in Medicine or other health disciplines.

The Department of Community and Environmental Health is affiliated with local, state, and federal health agencies throughout the State in order to provide field training.

**ENVIRONMENTAL HEALTH**

Advisor: Edmundson.

Environmental Health Specialists play an important role in assisting communities to assure a healthful environment. Specific activities may include helping private businesses and public agencies maintain sanitary conditions in food establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in properly disposing of toxic and other wastes, pest control, minimizing community air, water, and noise pollution, and assisting businesses in promoting safe and healthful working conditions.

The Environmental Health curriculum provides a broad background in understanding public health problems and in working with people effectively to arrive at solutions to these problems. During the first two years students take general college education courses. These may be taken at BSU or at other accredited 2 or 4-year colleges or universities, with transfer to BSU for the junior and senior years. Students must also spend twenty hours with environmental health agencies prior to beginning their upper level Environmental Health courses.

**BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH DEGREE**

1. **General Requirements (30 credits):**
   - English Composition E 101-102 6
   - Electives (Area I) 12

2. **Professional Requirements:**
   - Science (57 credits):
     - College Chemistry C 131-134 9
     - Organic Chemistry C 318-319 5
     - Cell Biology B 301 3
     - Mathematics M 111, M 120, or M 204 8-10
     - General Physics PH 101-102 8
     - Bacteriology B 303 5
     - Botany-Zoology BT 130, Z 130 9
     - Applied & Environmental Microbiology B 415-416 4
     - Entomology Z 305 4
   - Health Sciences (24 credits):
     - Water Supply and Water Quality Management EH 310 3
     - Air Quality Management EH 330 3
     - Public Health Field Training EH 350 4
     - Occupational Safety & Health EH 415 3
     - Epidemiology H 480 3
     - Environmental Health Practicum EH 160 1
   - Other (6 credits):
     - Technical Writing E 202 3
     - Communication, Sociology or Psychology Elective 3

3. **Suggested Electives (11 credits):**
   - Pathogenic Bacteriology B 310 4
   - Human Physiology Z 401 4
   - Economics EC 201, 219 3
   - Bioecology B 423 4
   - Parasitology B 412 4
   - Principles of Management MG 301 3
   - Physical Geology GO 101 4
   - American National Government PO 101 3
   - Data Processing DP 210 3
   - Environmental Health Seminar H 498 1

**Suggested Program**

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<td>Biology B 130</td>
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<td>Zoology Z 130</td>
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<td>Physics PH 101-102</td>
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<td>Technical Writing E 202</td>
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<td>Speech CM 111</td>
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<td>Sociology SO 101</td>
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**SOPHOMORE YEAR:**

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**JUNIOR YEAR:**

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**SUMMER BETWEEN JUNIOR AND SENIOR YEAR:**

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SENIOR YEAR:

Bacteriology B 303 ........................................ 5
Applied and Environmental Microbiology B 415-416 .................. 4
Health Science Requirements ........................................ 5-6
Sociology, Psychology or Communication Elective ............... 3
Entomology, Z 305 ........................................ 4
Electives ................................................................ 603
14-15 15-16

COURSE OFFERINGS

EH ENVIRONMENTAL HEALTH

EH 160 ENVIRONMENTAL HEALTH PRACTICUM (0-0-1) (FS). Field observations in public health agencies. Requires a minimum 20 hours in the field and periodic seminars with a university instructor. Required for all environmental health majors.

EH 310 WATER SUPPLY AND WATER QUALITY MANAGEMENT (2-3-3) (F). Engineering, biological and management principles of community water supply and water pollution control. PREREQ: Botany, Zoology, Chemistry 131-134, one year Mathematics, Upper Division status. Odd-numbered years.

EH 320 COMMUNITY ENVIRONMENTAL HEALTH MANAGEMENT (2-3-3) (F). Sanitation and management practices for community problems dealing with solid waste disposal, vector control, food and milk protection, swimming pools, and recreation activities. PREREQ: Botany, Zoology, Chemistry 131-134, one year Mathematics, Upper Division status. Even-numbered years.

EH 350 PUBLIC HEALTH FIELD TRAINING (0-0-6) (SU). Six weeks field study of public health problems, regulations, inspections, and agency programs. Students required to conduct detailed field project. PREREQ: six credits in Environmental Health courses. Odd-numbered years.

EH 415 OCCUPATIONAL SAFETY AND HEALTH (3-3-3) (S). Recognition, evaluation, and control of environmental health hazards or stresses (chemical, physical, biological) that may cause sickness, impair health, or cause significant discomfort to employees or residents of the community. PREREQ: Physics 101-102 and Organic Chemistry or concurrent enrollment. Odd-numbered years.

EH 435 ENVIRONMENTAL HEALTH LEGISLATION (2-0-2) (S). A study of environmental legislation, the implementation and enforcement of such laws, and specific duties of the employee. PREREQ: six credits in Environmental Health courses. Even-numbered years.

HEALTH SCIENCE STUDIES

Advisors: Edmundson, Long.

The Bachelor of Science degree in Health Science Studies provides a curriculum for students who wish to gain an education in Health Science Studies as a foundation for additional professional or graduate work in several health science professions. (For example: Medicine, Dentistry, Hospital Administration, Medical Technology). Undecided Health Science majors can use the curriculum to begin the course of study and decide on a major. Those students should work closely with their advisor to ensure that proper beginning courses are taken to meet these other degree requirements.

BACHELOR OF SCIENCE IN HEALTH SCIENCE STUDIES

1. Requirements (79 credits):
   - English Composition E 101-102 ........................................ 6
   - Area I Core Requirements ........................................... 12
   - Area II Core Requirements .......................................... 12
   - *Mathematics M 111 .................................................... 5
   - College Chemistry C 131-134 .................................... 9
   - *Organic Chemistry with Laboratory C 317, 319 ............... 5
   - *Biochemistry with Laboratory C 431-432 ...................... 4
   - General Zoology Z 130 ............................................. 3
   - General Botany BT 130 ............................................. 4
   - Cell Biology B 301 .................................................... 3
   - Bacteriology B 303 ..................................................... 5
   - Immunology B 420 ..................................................... 3
   - Physiology Z 401 or 409 .......................................... 4
   - Health Delivery Systems H 202 ................................ 3

2. Science Electives (6 courses, 22-23 credits)
   - General Physics PH 101-102 OR ..................................... 8
   - Biophysics PH 207 .................................................. 4
   - *Histology Z 400 ...................................................... 4
   - *Quantitative Analysis with Laboratory C 211-212 ............... 5
   - **Pathogenic Bacteriology B 310 ................................... 4
   - Vertebrate Embryology Z 351 ..................................... 4

3. Health Science Electives (4 courses, 11-13 credits)
   - Medical Terminology H 101 ......................................... 3
   - Drugs: Use & Abuse H 109 ........................................... 3
   - Disease Conditions I & II H 211-H 212 ......................... 3
   - *Pathophysiology H 300 ............................................. 3
   - Epidemiology H 480 .................................................. 3
   - Applied Pharmacotherapeutics H 305 ......................... 3
   - Human Sexuality for Health Professionals H 313 ............. 3
   - Medical Economics and Finance H 405 ......................... 3
   - Preprofessional Internship H 493 .................................. 2

4. Free Electives (13-16 credits)

SUGGESTED PROGRAM

FRESHMAN YEAR:

- English Composition E 101-102 ........................................ 3
- College Chemistry C 131, 132, 133, 134 .......................... 5
- Mathematics M 111, 204 ............................................ 5
- Electives (Area I) ...................................................... 5
- Electives (Area II) ..................................................... 5

1st SEM
- English Composition E 101-102 ........................................ 3
- College Chemistry C 131, 132, 133, 134 .......................... 5
- Mathematics M 111, 204 ............................................ 5
- Electives (Area I) ...................................................... 5
- Electives (Area II) ..................................................... 5

2nd SEM

SOPHOMORE YEAR:

- Botany B 130 .......................................................... 4
- Zoology Z 130 .......................................................... 4
- Health Science Elective .............................................. 4
- Electives (Area I) ...................................................... 3
- Electives (Area II) ..................................................... 3

JUNIOR YEAR:

- Organic Chemistry C 317-320 ..................................... 5
- Free Electives ......................................................... 3
- Health Science Electives ............................................ 3
- Cell Biology B 301 ..................................................... 3
- Science Electives (Area III) ........................................ 3

SENIOR YEAR:

- Bacteriology B 303 ................................................... 5
- Physiology Z 401 or 409 ............................................. 4
- Science Electives ..................................................... 7
- Immunology B 420 ..................................................... 3
- Free Electives ......................................................... 7

H HEALTH SCIENCES

COURSE OFFERINGS

COLLEGE OF HEALTH SCIENCE

Parasitology B 412 .................................................. 3
Comparative Anatomy Z 301 .......................................... 4
Physical Chemistry C 321-324 ....................................... 8
Mathematics M 204 .................................................... 5
Organic Chemistry C 318, 320 ..................................... 3

3. Health Science Electives (4 courses, 11-13 credits)
   - Medical Terminology H 101 ......................................... 3
   - Drugs: Use & Abuse H 109 ........................................... 3
   - Disease Conditions I & II H 211-H 212 ......................... 3
   - *Pathophysiology H 300 ............................................. 3
   - Epidemiology H 480 .................................................. 3
   - Applied Pharmacotherapeutics H 305 ......................... 3
   - Human Sexuality for Health Professionals H 313 ............. 3
   - Medical Economics and Finance H 405 ......................... 3
   - Preprofessional Internship H 493 .................................. 2

4. Free Electives (13-16 credits)

*Students who intend to apply to colleges of Medicine, Dentistry or Veterinary Medicine should consider taking the second semester of organic chemistry (C 318, 320), and mathematics through calculus (M 111 and M 204).

**Students who intend to apply to schools of Medical Technology should take Pathogenic Bacteriology. The second semester of Biochemistry is suggested for those students.
FRESHMAN YEAR:

H 205 CHRONIC ILLNESS: IMPACT AND OUTCOME (3-0-3) (S). Introduction to the medical and psychosocial dimensions of chronic illness, using cancer as a prototype. PREREQ: sophomore standing or PERM/INST. Even-numbered years.

H 207 NUTRITION (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Previous or concurrent enrollment in C 107 and C 111 is suggested.

H 209 PRINCIPLES OF FOOD PREPARATION (2-5-4) (F). Interrelationships of the nutritive value of foods, principles of food preparation, and the human body. Approved techniques of food preparation to retain nutrients and enhance palatability. Food safety and sanitary practices, and food management will be stressed. PREREQ: or COREQ: H 207.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3) (FS). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of diseases that affect individual organs in the various body systems. PREREQ: H 101. Sequence beginning fall semester.

H 213 INTRODUCTION TO HEALTH LAW AND ETHICS (2-0-2) (F). A broad introduction to the basic legal and ethical concepts considered to be essential in the care of clients by health providers. A foundation course for instruction in the specialized application of this content in the students' major health care disciplines.

H 298 ENVIRONMENTAL HEALTH COLLOQUIUM (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

Upper Division

H 300 PATHOPHYSIOLOGY (4-0-4) (F). Emphasis on dynamic aspects of human disease. Description of physiologic alterations, derangements, and mechanisms involved. PREREQ: C 107-110 or equivalent and Z 111-112 or equivalent.

H 304 PUBLIC HEALTH ADMINISTRATION (3-0-3) (F). Functions of local, state and federal health agencies, and factors which have an impact on agency programs. PREREQ: Upper division standing and health science major or PERM/INST. Even-numbered years.

H 306 APPLIED PHARMACOTHERAPEUTICS (3-0-3) (S). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pharmacology to study drugs and their therapeutic and side effects. PREREQ: H 300; 6-8 credits each Chemistry and Human Anatomy and Physiology, clinical background as a health student or professional.

H 310 METHODS IN CLINICAL LABORATORY SCIENCE (2-3-3) (F/S). Interdisciplinary course in basic laboratory procedures used in a primary care setting. Clinical significance of tests in relation to disease processes is stressed. Lectures/clinical practice in lab enable students to learn accurate techniques and become clinically competent to perform and interpret selected laboratory procedures. PREREQ: H 300, PERM/INST.

H 313 HUMAN SEXUALITY FOR HEALTH PROFESSIONALS (3-0-3) (F). Emphasis on human sexuality for health professionals. A foundation course for instruction in the specialized application of this content in the students' major health care disciplines.

H 380 EPIDEMIOLOGY (3-0-3) (S). Study of the distribution of disease or physiological conditions of human populations and factors which influence this distribution. PREREQ: Upper division statistics. Odd-numbered years.

H 405 MEDICAL ECONOMICS AND FINANCE (3-0-3) (S). Introduction to the economics and financing of health care and health care agencies. Odd-numbered years.

H 406 PRINCIPLES OF EDUCATION IN HEALTH SCIENCES (3-0-3) (S). Introduces the student to the concepts and practical applications of educational theory as applied to health occupations. The techniques of the course will examine preservice health education, in-service education, continuing education, and community health education.

H 480 EPIDEMIOLOGY (3-0-3) (S). Study of the distribution of disease or physiological conditions of human populations and factors which influence this distribution. PREREQ: Upper division statistics. Odd-numbered years.

H 493 PREPROFESSIONAL INTERNSHIP (1-3-2) (F/S). Three hours of internship in a clinical setting under direction of a preceptor who is a practicing professional. Students keep a record of experiences and discuss them at weekly one-hour seminar. PREREQ: H 202, Upper division standing, cumulative GPA above 3.25; recommendation of faculty advisor, consent of instructor.

H 498 ENVIRONMENTAL HEALTH SEMINAR (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

Department of Medical Record Science

Director and Instructor: Elaine Rockne, RRA; Clinical Coordinator and Associate Professor: Carol Seddon, RRA. Advisory Board: Pat Brizee, RRA; Norma Gladman, ART; Patricia Kemper, ART; James Meade, PhD; Lorraine Schimmels, ART; Richard Williams, Marcia Lothhus, ART.

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 medical records of discharged patients, compiling statistical information for administration and research, transcribing medical reports and abstracting data for medical care evaluation studies. In addition, students receive practical experience in medical record departments of area health facilities. Students are responsible for their own transportation from BSU to the clinical agencies.

An Associate of Science degree is offered. The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in collaboration with the American Medical Record Association.

Graduates of the program are eligible to write the national accreditation examination, and upon successful completion of this examination are recognized as Accredited Record Technicians (ART).

MEDICAL RECORD TECHNICIAN PROGRAM

Admission and Application Process

Any student who fulfills the University entrance requirements is eligible to enter the first semester of the program.

To continue in the program, students must:

1. Complete the first semester with a GPA of 2.00 or higher.
2. Make an appointment for an interview with the program director before midterm of spring semester of the first year.
3. Fill out and return to the Medical Record Program Office (H-210) a "Special Programs Application for the Department of Medical Record Science" on or before March 1 of the year in which the student wishes to enter the second year of the program. The application is available in the program director's office. Applicants will be notified of their status by April 30. Due to the small number of available clinical sites, the program can accept only a limited number of students each year.
4. Have adequate health status to ensure successful performance of hospital activities; submit a negative PPD or chest x-ray plus a documented Rubella immunity report to the program before entering the second year.
5. Submit $15.00 for name pin and lab fee, per academic year, payable to the program by September 1st of second year of the program.

Promotion and Graduation

1. Students must maintain a GPA of at least 2.00 in order to enter the second year of the program.
2. A grade of less than C in any professional course, numbered H or MR, must be repeated and raised to C or higher before continuing in the program.
3. Students who complete all course requirements with a GPA of 2.00 or higher qualify for graduation.

CURRICULUM

FRESHMAN YEAR:

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<td>Introduction to Medical Records MR 115</td>
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<td>Health Data MR 205</td>
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<td>Health Delivery Systems H 202</td>
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<td>OR First Course in Programming M 122</td>
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After the successful completion of the professional year at BSU, students will have a three to four-week period of directed practice in one of several affiliated health facilities.

Clinical Practice MR 215

COURSE OFFERINGS

MR MEDICAL RECORDS

MR 115 INTRODUCTION TO MEDICAL RECORDS (3-0-3) (S). Principles of Medical Record Technology, the professional organizations, medical record practitioners, and the content of the hospital chart.
MR 201 MEDICAL RECORDS I (3-0-3) (F). Preparation, analysis, preservation and retrieval of health information. The value of this information to the patient, the doctor, and the community. PREREQ: MR 115. COREQ: MR 202.
MR 202 MEDICAL RECORDS I LABORATORY (0-4-2) (F). Practice in the various methods of numbering, filing, and retrieving health records. COREQ: MR 201.
MR 203 MEDICAL RECORDS II (3-0-3) (S). Quality assurance, computer applications, basic principles of supervising and managing a medical record department. PREREQ: MR 201. COREQ: MR 204.
MR 204 MEDICAL RECORDS II LABORATORY (0-4-2) (S). Observation of record keeping practices in non-hospital settings, as well as practice in quality assurance and computer activities. COREQ: MR 203.
MR 205 HEALTH DATA (3-0-3) (S). Collection and presentation of routine data for daily, monthly, and annual hospital statistical reports. Formulas, preparation of birth certificates and abstracting data for the computer. PREREQ: PERM INST.
MR 207 DIAGNOSTIC AND OPERATIVE CODING (3-0-3) (F). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. PREREQ: PERM INST.
MR 209 HEALTH RECORD TRANSCRIPTION (0-4-2) (S). Machine transcription of histories, physical examinations, operations, and other medical dictation. Typing ability is required. PREREQ: H 101.
MR 215 CLINICAL PRACTICE (0-0-2). Following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology.

DEPARTMENT OF NURSING

Baccalaureate Degree Faculty: Phone 208-385-1767
Continuing Nursing Education: Phone 208-385-1195
Health Science Building, Room 112
Chairman & Director of Baccalaureate Nursing Program: Dr. Barbara J. Hauf; Associate Chairman, Director of Associate Degree Program, and Associate Professor: Mildred Wade; Associate Professor: Fountain, Matson, Penner, Taylor, Wilcox; Assistant Professors: Baker, Brudell, Hart, Job, Lynch, Schall; Instructors: Martin, Peterson,Smith, Wimmer, Wise; Advisory Board: Sharon Allen, Marge Dalzell, JoAnna DelMeier, Maria Eschen, Juanita Gardner, Gene Hanson, Laura Larson, Mary Langenfeld, Jacqueline Mason, Mary Nelson, Celeste Rush, Rex E. Profit, Mary Dallas, Elsie Weiborn.

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 Degree. This program prepares a student to write the National Council Licensure Examination for initial licensure as a Registered Nurse. The Department also offers a two-year, upper division curriculum for RN's to continue academic study and to obtain a Bachelor of Science in Nursing Degree.

PHILOSOPHY

The current system of health care delivery requires associate as well as baccalaureate degree-prepared practitioners of nursing. Each of these contribute to meeting the nursing and health care needs of man. The associate degree nurse is prepared at the technical level; the baccalaureate degree nurse is prepared at the professional level. 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.

LOWER DIVISION ASSOCIATE DEGREE DESCRIPTION

This program prepares individuals to function at a beginning level in giving care to patients. Nursing courses include theory and clinical laboratory experiences, primarily in hospitals and other acute care settings. In the clinical component of each nursing course, one credit hour represents three hours of clinical and/or campus laboratory time. During the freshman year, there is an average weekly number of nine to twelve clinical practice hours and during the sophomore year, fifteen to eighteen hours per week, which may be scheduled days, afternoons, or evenings, between the hours of 6:30 a.m. and 11:30 p.m.

The program is approved by the Idaho Board of Nursing and accredited by the National League for Nursing. The graduate is eligible to write the National Council Licensure Examination to become a Registered Nurse (R.N.).

PHILOSOPHY

The associate degree-prepared nurse practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Content is focused on the identified health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

ADMISSION, APPLICATION AND ENROLLMENT

ADMISSION REQUIREMENTS

Students enter the Associate Degree Nursing Program in the fall semester. The number of students admitted each year depends upon the availability of personnel and clinical resources in the community.
COLLEGE OF HEALTH SCIENCE

Applicants must meet the general University requirements as well as the stated requirements for the Associate Degree Nursing Program in one of the four categories listed below:

1. High school graduates will be considered for admission on the basis of ACT or SAT scores and a GPA of 2.50 or above at the completion of the 7th semester of high school.
   - ACT - A composite standard score of not less than 20.
   - SAT - Total score of at least 888.
2. College students who have earned a minimum of 12 semester credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.50 GPA or better earned in those college courses, provided the applicant has earned a grade of "C" or better in any general education course required in the Associate Degree Nursing Program.
3. Transfer students from other collegiate (AD or BS) schools of nursing to the Associate Degree Nursing Program at BSU are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in paragraphs 1 and 2 above. In addition, a recommendation from the applicant’s previous school of nursing is required. Admission is always dependent upon availability of space in the courses the applicant needs for completion of the program.
4. Licensed practical nurses and students transferring from diploma schools of nursing may apply for advanced placement as sophomore nursing students by meeting the following criteria:
   a. submit an official record of practical nursing education,
   b. submit current evidence of licensure (L.P.N.),
   c. complete N 114, Orientation to Associate Degree Nursing, during the spring semester of the year prior to the year of planned enrollment in the sophomore nursing courses,
   d. complete all freshman general education courses which are prerequisites to sophomore nursing courses, with a GPA of 2.50 or better, as well as a grade of "C" or better in required general education courses,
   e. pass the required final exams for N 100, 102.
   f. pass the freshman level clinical performance evaluation. (Given during the spring semester only)

APPLICATION PROCESS

1. Make application for admission to BSU and the Department of Nursing, Associate of Science in Nursing Degree Program. BSU application forms are available in the Administration Building, Room 101. ADN Program applications are available in the Science-Nursing Building, Rm. 110.
2. Submit an official high school transcript or GED test score (50 or above), ACT or SAT scores, and official transcripts of all previous college work. LPNs applying for advanced placement must also submit evidence of previous education as well as of current licensure. This evidence must be received by the Nursing Department Office prior to March 1, preceding the fall in which enrollment is planned.
3. Complete all application requirements during the period of September 1 to March 1 prior to the date of anticipated enrollment in nursing courses.
4. Late applications will be accepted only if space is still available in the nursing program.

Following acceptance into the ADN program, all applicants must:
1. Submit a statement from a physician that the applicant possesses the mental and physical health to meet the requirements of being an active and a successful student in the program as well as for being employed in the practice of nursing following graduation.
2. Submit a negative PPD or a chest X-ray plus a documented Rubella immunity report to the Associate Degree Nursing Program.
3. Submit $75.00* non-refundable prepayment for student name pin, uniform badge, malpractice insurance, and standardized National League for Nursing examinations. Required of all students throughout the program. This is a one-time charge upon admission to the program.
4. Submit $20.00* non-refundable lab fee payable by August 30th of each academic year.

* Fees subject to change.

PROGRESSION

The standard for advancement, is a program GPA of 2.50 or above as well as a minimum grade of "C" in all required general education and nursing courses. Courses in nursing and required general education may be repeated only once.

FULL-TIME NURSING STUDENT
(Suggested for those students who do not plan to work part time)

FIRST YEAR:

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PART-TIME NURSING STUDENT
(Suggested for those students who do not have a strong background in High School Sciences and/or who plan to work part time)

FIRST YEAR:

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*Pre or Co-requisite to First Year Nursing Courses.

ADVISEMENT

The Associate of Science Degree may be completed in 4 semesters as shown above, however, students’ needs and goals may indicate a 3 year approach to the program. Advisement, therefore, is essential and it is the student’s responsibility to seek faculty assistance.

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;
2. To provide the base for graduate study in nursing.

Admission to this program is limited to registered nurses graduated from associate degree or diploma schools of nursing who meet admission requirements.
Graduates are awarded the Bachelor of Science degree with a major in Nursing and will be prepared for independent, collaborative, and leadership responsibilities in the delivery of health care services. Graduates are prepared for first-level positions in community health nursing. The program is approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

PHILOSOPHY

Professional nursing education includes both general education and nursing components. General education components provide knowledge of the Humanities, Social, and Physical Sciences. The curriculum focuses on dynamic states of health as well as illness of individuals, families, and the community, and on designing alternatives in coping with changes in those conditions. Further, the professional nursing curriculum promotes refinement and development of nursing practice through utilization and evaluation of nursing research, as well as by employment of theoretical and empirical knowledge derived from general education. The curriculum facilitates the development of collegiality, collaboration and consumer advocacy.

Professional nursing emphasizes the promotion and restoration of health and the prevention of illness through utilization of the nursing process. This process includes activities of assessment, planning, intervention and evaluation in health care delivery. In applying nursing process, the professional nurse demonstrates the use of clinical judgment—the capacity to think critically as a basis for selection, implementation and evaluation of strategies to meet health care needs of individuals, families, and the community. The professional nurse is prepared to provide health care services ranging from simple to complex for individuals, families and groups of all ages and in a wide variety of settings. The professional nurse understands the dynamics of small and large groups and utilizes communication skills which facilitate effective functioning.

The current demand for improved health care requires the professionally prepared nurse. This individual must be able to: (1) accept responsibility and accountability for his/her own actions; (2) critically analyze and respond to emerging scientific and humanistic advances in knowledge and the potential for implementation in the health care delivery system; and (3) participate in identifying health care trends, predicting health care needs in a changing society, and in developing new nursing roles and strategies for meeting those needs.

PRE-ENROLLMENT ADVISEMENT

Potential applicants should contact the program office to obtain advisement as far in advance of their application date as is possible. Revision of admission qualifications or application procedures, as well as year-to-year variations in the scheduling of courses, will have implications for the student’s academic plans. By establishing early contact with program advisors, the potential student will be kept advised of such changes so that the student is able to plan more effectively to ensure eligibility for admission by the date which the potential student desires.

The potential student must take the initiative for contacting a program advisor. This is best done immediately following the initial request to the Admissions Office for information about the program. During the time when the student is attempting to qualify for admission, the program advisor will provide academic advisement. Candidates for admission who fail to utilize this service, or who apply too late to receive pre-enrollment advisement, run the risk of discovering that they have not completely qualified for admission by the date they have chosen.

ADMISSION, APPLICATION AND ENROLLMENT

To qualify for admission, applicants must:

1. Possess current license as a registered nurse and secure Idaho license prior to enrollment in upper division nursing courses.
2. Have maintained a GPA of 2.75 or better in 37-41 semester credits in general education courses, including the following:
   a. English Composition E 101-102 .......................... 3-6
   b. Microbiology B 205 ...................................... 3-4
   c. Nutrition H 207 ......................................... 3
   e. Humanities (Area I) .................................. 6
   g. Human Anatomy & Physiology Z 111-112 ............... 8

   NOTE: Transfer students with 3 to 4 credits of Microbiology and 2 to 3 credits of Nutrition may be accepted.

3. Have passed the required theoretical and clinical nursing tests (information on these tests is available from the Baccalaureate Program Office).

To apply for admission, the applicant must:

1. Request from the Admissions Office an application to the University if not previously admitted and request from the Department of Nursing a special application form for the Baccalaureate Nursing Program.
2. Have completed the following actions by March 1, preceding the fall semester in which enrollment in upper division nursing courses is planned:
   a. Return completed BSU application to the Admissions Office. Return the Baccalaureate Nursing Program application to the Department of Nursing.
   b. Submit transcripts from all institutions of higher education which the candidate has attended. It may take 6-8 weeks for transcripts to be processed and mailed so adequate time should be allowed. Graduates of diploma schools of nursing who took college courses in conjunction with their nursing program must submit transcript(s) from college(s) attended. The nursing school transcript, even though it lists such courses, cannot be used as an official record of courses completed in institutions of higher education.
   c. Have taken, or made an appointment to take, the required nursing tests as described under Item 3, Qualification for Admission.

To qualify for enrollment, the candidate must:

1. Return the form indicating intent to enroll. This form is sent to the candidate when he/she is notified of acceptance in late April or May.
2. Arrange to attend an orientation session scheduled immediately prior to registration for the fall semester. Accepted students will be notified no later than May 31st regarding the time and place of this meeting.
3. Secure malpractice insurance.
4. Have a current Idaho license to practice professional nursing.
5. Show evidence of a negative PPD or chest x-ray (evidence needed each year).
6. Show evidence of rubella immunity (required only at time of enrollment).
7. Have completed all requirements for admission prior to entering the first semester of the nursing program in the fall. This regulation applies to candidates who are given conditional admission, pending completion of requirements.
8. Submit a $20.00* non-refundable laboratory fee payable to Boise State University to cover expendable items used for on-campus lab for the junior year.

*Fees subject to change.

General information regarding admission, application and enrollment:

1. Candidates should apply by the March 1 deadline even if they have course work to complete prior to their anticipated enrollment in the fall semester of that year. If it appears that they will have completed requirements in time for fall enrollment, then a conditional admission will be granted, pending completion of requirements by the time of anticipated enrollment.
2. Late applications will be accepted if vacancies still exist in the class to be admitted. Such applications will be considered in the order in which they are received by the Director of the Baccalaureate Nursing Program.
3. Enrollment is regulated according to available faculty, clinical facilities and other resources. If more fully qualified candidates have applied by March 1 than can be admitted, those candidates will be ranked according to the GPA and admission will be granted in order to those with the higher GPA. Remaining fully qualified applicants will be placed on a waiting list. As vacancies occur in the list of admitted students, the next candidate on the list will be granted admission. Conditionally qualified applicants will be considered by admission only after all candidates who are fully qualified by March 1 have been admitted.
4. Candidates are not required to have had a specified period of work experience; however, they are strongly advised to have had one year of nursing practice within the two-year period immediately preceding...
COLLEGE OF HEALTH SCIENCE

anticipated enrollment in the Baccalaureate Nursing Program. General staff nursing practice is recommended for those who have recently obtained licensure or who have not been actively engaged in nursing during the two years immediately preceding anticipated enrollment.

5. Students are expected to provide their own transportation to clinical agencies when enrolled in a nursing course with a clinical practicum.

PROGRESSION AND GRADUATION

In order to progress through the program and qualify for graduation, students must meet all University requirements for the BS degree as well as the requirements for the nursing major, including required support courses. A GPA of 2.75 or better must be maintained and all nursing and support courses must be completed with a grade of "C" or better. Students may repeat, once only, theory and simulated practicum courses in nursing and required support courses. The clinical practicum of any nursing course may not be repeated if a grade of "D" or "F" is earned. Enrolled students may challenge any upper division nursing course except N 302 and N 402.

Students whose GPA falls below 2.75 or who receive less than a "C" in theory and simulated practicum courses in nursing or in required support courses may be eligible for academic probation. Probation for one semester only will be considered by the faculty if, in their opinion, probation is warranted based upon the individual student's circumstances. Failure to achieve the required grade or GPA by the end of the one probationary semester automatically disqualifies the student from further study in the Baccalaureate Nursing Program. Probation will be granted only once. In cases which require probation for a year because the necessary course is not available in the semester immediately following that in which the academic deficiency was incurred, faculty may grant probation for that period of time; however, the student may be required to delay progression in the nursing curriculum until the deficiency has been removed.

Ordinarily, the full-time student who carries 15-16 credits per semester can anticipate completing the program in two years. Depending upon the availability of courses when needed, attendance at summer school may be necessary in some cases to complete core curriculum requirements in Areas I, II, or III as specified by the University.

In order to maintain the educational quality of the program and to protect students from losing credits as a result of changes in curriculum or academic policies, part-time students are subject to some regulations as follows:

1. They must complete degree requirements within four years from the initial enrollment in 300 level nursing courses.
2. They must maintain continuous enrollment in nursing courses for both fall and spring semesters.
3. They must follow the prescribed sequencing of nursing courses for part-time students.
4. All 300 level nursing and required support courses must be completed before enrollment in any 400 level nursing courses.

A waiver of any one of these regulations may be granted, upon petition to the faculty, for appropriate reasons such as, but not restricted to, illness, academic probation, and family emergencies. Faculty advisors will assist students in preparing petitions.

Progression in the program is carefully monitored by faculty advisors. Each student who is admitted to the program is assigned an advisor and is expected to confer with this advisor at least once a semester to evaluate his/her progress in the program and to plan registration for the next semester. Advisors also are available to students for general academic counseling during fall and spring semesters.

The assigned advisor is the first person the student should consult regarding problems relevant to progress in the baccalaureate nursing curriculum. If the advisor is unable to help the student resolve a problem, she/he will refer the student to another resource person. The advisor and the student share the responsibility for monitoring the student's progression in the program to assure that graduation requirements are met.

Further information can be obtained by writing to: Baccalaureate Program in Nursing, Boise State University, 1910 University Drive, Boise, ID 83725, Phone (208) 385-1768.

### CURRICULUM

This section contains programs for both full-time and part-time students, as well as course descriptions. Full-time students should be able to complete the program in two years. Students who attend part-time throughout their entire program should complete the curriculum in four academic years and the sequence given for nursing and required support courses must be followed. Students who wish to attend full-time for one year and part-time for another year must follow the required sequence for nursing courses when attending part-time. All 300 level nursing and required support courses must be completed before 400 level nursing courses may be taken.

### FULL-TIME STUDENT

(Suggested Program)

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<td>Practicum: Families &amp; Groups Under Stress N 407</td>
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### THIRD YEAR

<table>
<thead>
<tr>
<th>1st SEM</th>
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<tr>
<td>Practicum: Nursing in the Community N 410</td>
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</tr>
<tr>
<td>Practicum: Nursing in the Community N 411</td>
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N 360 NURSING RESEARCH (2-0-2) (S). Introduction to research concepts, research process and selected approaches to health care research. Practice in defining resolvable problems, processing qualitative data, and evaluating research findings for application to nursing practice. First 2 weeks of the semester. PREQ: N 302. COREQ: N 361.


SENIOR YEAR

N 402 PROFESSIONAL NURSING II (2-0-2) (S). Leadership role of professional nurse in implementation of health care services and advancement of nursing profession. Emphasis on emerging nursing roles and issues and trends which affect nursing. Examination of individual goals relevant to professional commitments. PREQ: N 430. COREQ: N 432. PRE or COREQ: N 430.

N 408 FAMILIES AND GROUPS UNDER STRESS (1-0-2) (S). Theoretical base for application of nursing process to facilitate adaptation of individuals, families and groups to complex mental health and psychiatric problems. Emphasis on therapeutic communication. PREQ: N 410. COREQ: N 409.

N 409 PRACTICUM: FAMILIES AND GROUPS UNDER STRESS (0-6-3) (S). Clinical laboratory for N 408. COREQ: N 408.

N 410 NURSING IN THE COMMUNITY (2-0-2) (F). Theoretical and historical perspectives on community problems in relation to professional nurse roles. Application of nursing process in assessing communities to identify needs as a basis for planning improved health care service. PREQ: All 300 level nursing and support courses. COREQ: N 411.

N 411 PRACTICUM: NURSING IN THE COMMUNITY (0-6-2) (F). Clinical laboratory for N 410. COREQ: N 410.

N 430 HEALTH-ILLNESS III (2-0-2) (F). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to life-threatening illness/trauma. Continuing use of nursing process with emphasis on implementation and evaluation of care. PRE or COREQ: N 410. COREQ: N 431.


N 432 HEALTH-ILLNESS IV (2-0-2) (S). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to chronic illness. Continuing use of nursing process with emphasis on implementation and evaluation of care. PRE: N 410, 430. COREQ: N 402, 433. PRE- or COREQ: N 408.

N 433 PRACTICUM: HEALTH-ILLNESS IV (0-6-2) (S). Clinical laboratory for N 432. COREQ: N 432.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Health Sciences Bldg., Rm. 101
Phone 208-385-1678
Dean and Professor: Dr. Victor H. Duke

The Preprofessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the Health Sciences, particularly those who have declared a major in pre-Medicine, pre-Dentistry, pre-Dental Hygiene, pre-Occupational Therapy, pre-Optometry, pre-Pharmacy, pre-Physical Therapy, pre-Veterinary Medicine, pre-Chiropractic, and Medical Technology, etc.

In view of the specialized nature of each program the student should seek regular counseling from the advisor who has been designated for his or her major field of interest. A handbook for preprofessional students is available from the advisors and should be used as a reference.

Students who intend to apply to professional schools need to be aware of deadlines established by the professional schools and testing organizations for submitting application materials and taking admissions examinations. Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, and the Veterinary Aptitude Test must be taken at specific times. These examinations may or may not be administered on the BSU campus. Deadlines change from year to year. The student is responsible for ascertaining from the appropriate advisor the specific deadlines and fees which pertain to the application process and admission testing for the particular program.

In addition to academic coursework the Preprofessional Studies students have opportunities and are encouraged to work in and observe at first hand the practice and delivery of health care in a clinical environment.

Qualified students may register for an internship of two credits per semester. These students will work and study in a clinical environment with practicing physicians, physician's assistant, dentist, or veterinarian, etc. PREQ: H 202; upper division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the instructor. See course H 493 described in the Community and Environmental Health Section.
COMING OF HEALTH SCIENCE

Information concerning state-supported tuition programs for qualified Idaho residents who are accepted to schools of medicine, dentistry, veterinary medicine, optometry, occupational therapy and physical therapy is available from the advisor. These programs are WAMI and University of Utah for medical school; ISEP-Creighton-ISU for dental school; WOI for veterinary medicine; WICHE for optometry, occupational and physical therapy.

Baccalaureate degree programs:
- Pre-Dentistry with Biology or Chemistry options
- Pre-Medicine with Biology or Chemistry options
- Pre-Veterinary Medicine
- Medical Technology

Non-degree programs:
- Pre-Dental Hygiene
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physical Therapy

PRE-DENTISTRY - BIOLOGY OPTION - BS
Science-Nursing Building, Room 223 Phone 208-385-3499
Advisor: Dr. Charles W. Baker

PRE-MEDICINE - BIOLOGY OPTION - BS
Science-Nursing Building, Room 223 Phone 208-385-3520
Advisor: Dr. H. K. Fritchman

REQUIREMENTS

General University and Basic Core ................................ 21
English Composition E 101-102 ........................................ 6
General Psychology P 101 .............................................. 3
Zoology Z 130 .............................................................. 5
Botany BT 130 .................................................................. 4
Cell Biology B 301 .......................................................... 3
General Bacteriology B 303 ................................................. 3
Comparative Anatomy Z 301 .............................................. 4
Vertebrate Embryology Z 351 ............................................. 4
Physiology Z 401 or 409 .................................................. 4
Genetics with (or without lab) B 343-344 ............................ 3-4
Vertebrate Histology Z 400 ................................................ 4
College Chemistry C 131-134 .......................................... 9
Organic Chemistry C 317-320 ............................................ 10
Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 4-5
Physical Chemistry C 321-324 ......................................... 8
Instrumental Analysis C 411 ............................................ 4
Chemistry Independent Studies C 498, 499 .......................... 2
Chemistry Seminar C 498, 499 ........................................ 8
General Physics Ph 101-102 ........................................... 10
Mathematics M 111-204 .................................................. 8
Mathematics M 111-204 .................................................. 10
*Electives ................................................................. 21-25
Total must be at least .................................................... 128

SUGGESTED PROGRAM

FRESHMAN YEAR:

1st SEM 2nd SEM
English Composition E 101-102 ........................................ 3 3
College Chemistry C 131-134 .......................................... 4 5
Mathematics M 111-204 .................................................. 5 5
Area II Core Courses ................................................. 3 3
15 6

SOPHOMORE YEAR:

Botany BT 130 .............................................................. 4 -
Zoology Z 130 .............................................................. 5 -
*Organic Chemistry C 317-320 ...................................... 5 3-5
General Psychology P 101 .............................................. 3 3
Area Core Courses ..................................................... 3 3
Electives (H 202 recommended) .................................... 3-6 3-6
15 17-19

JUNIOR YEAR:

Cell Biology B 301 ........................................................ 3 -
Comparative Anatomy Z 301 ........................................... 4 -
Genetics, with or without Lab B 343, 344 ........................ 3-4 -
Vertebrate Embryology Z 400 ........................................... 4 -
General Physics Ph 101-102 ......................................... 4 4
Area I Core Courses .................................................. 3 3
Area II Core Courses .................................................. 3 3
Electives ................................................................. 3 3
14-15 17

SENIOR YEAR:

General Bacteriology B 303 .............................................. 5 -
Vertebrate Histology Z 400 .............................................. 4 -
Physiology Z 401 or 409 ............................................... 3 1
Biochemistry C 431-432 .................................................. 4 1
Area I Core Courses .................................................. 3 3
Electives ................................................................. 3 9
18 17

*Pre-Dental & Pre-Medical
**Additional Upper Division credits so that Upper Division credits will total at least 40.
***H 202, Health Delivery Systems, is prerequisite for Preprofessional Internship.

PRE-DENTISTRY - CHEMISTRY OPTION - BS
Science-Nursing Building, Room 223 Phone 208-385-3499
Advisor: Dr. Charles W. Baker

PRE-MEDICINE - CHEMISTRY OPTION - BS
Science-Nursing Building, Room 316 Phone 208-385-3955
Advisor: Dr. Richard C. Banks

REQUIREMENTS

General University and Basic Core ................................ 21
English Composition E 101-102 ........................................ 6
General Psychology P 101 .............................................. 3
Zoology Z 130 .............................................................. 5
Botany BT 130 .............................................................. 4
Cell Biology B 301 ........................................................ 3
Comparative Anatomy Z 301 ............................................ 4
Genetics with (or without lab) B 343-344 ............................ 3-4
Vertebrate Embryology Z 351 ............................................. 4
College Chemistry C 131-134 .......................................... 9
Organic Chemistry C 317-320 ............................................ 10
Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 4-5
Physical Chemistry C 321-324 ......................................... 8
Instrumental Analysis C 411 ............................................ 4
Chemistry Independent Studies C 498, 499 .......................... 2
Chemistry Seminar C 498, 499 ........................................ 8
General Physics Ph 101-102 ........................................... 10
Mathematics M 111-204 .................................................. 8
Mathematics M 205-206 .................................................. 8
*Electives ................................................................. 9-11

SUGGESTED PROGRAM

FRESHMAN YEAR:

1st SEM 2nd SEM
English Composition E 101-102 ........................................ 3 3
College Chemistry C 131-134 .......................................... 4 5
Mathematics M 111-204 .................................................. 5 5
Area II Core Courses .................................................. 3 3
15 16

SOPHOMORE YEAR:

Botany BT 130 .............................................................. 4 -
Zoology Z 130 .............................................................. 5 -
Organic Chemistry C 317-320 ...................................... 5 5
Mathematics M 205-206 .................................................. 4 4
Area I Core Courses .................................................. 3 3
Elective (H 202 recommended) ** .................................... 3 3
16 17

JUNIOR YEAR:

Cell Biology B 301 ........................................................ 3 -
Comparative Anatomy Z 301 ........................................... 4 -
Genetics, with or without Lab B 343, 344 ........................ 3-4 -
Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 3-5 1
Area I Core Courses .................................................. 6 6
Physics PH 101-102 ..................................................... 4 4
14-17 14

SENIOR YEAR:

Physical Chemistry C 321-324 ........................................... 4 4
Instrumental Analysis C 411 ............................................. 4 -
Chemistry Independent Study C 496 ................................ 1 1
*Additional Upper Division credits so that Upper Division credits will total at least 40.
**H 202, Health Delivery Systems, is prerequisite for Preprofessional Internship.
A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho. Under this agreement a number of Idaho residents are, each year, guaranteed admission to the WSU School of Veterinary Medicine. For those Idaho residents who plan to pursue a pre-veterinary medicine curriculum, it is important that the entrance requirements for Washington State University be satisfied during undergraduate work. The student majoring in pre-veterinary medicine should seek regular counseling from the pre-veterinary academic advisor.

The student must maintain a minimum overall grade point average of at least 3.00; either at least 3.20 overall GPA or at least 3.30 GPA the last 2 years; and an average of at least 15 credit hours per semester. Candidates with the greater depth and breadth of academic background are given preference by WSU.

The Veterinary Aptitude Test (VAT) is normally to be taken in October preceding the year in which the student hopes to enter the WSU School of Veterinary Medicine.

Students are to acquire and record at least 300 hours of significant exposure to veterinary medicine while employed by or working on a volunteer basis for a graduate veterinarian. The 300 hours must be completed by November 1 of the year of application.

**REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>Zoology Z 130</td>
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<td>Botany BT 130</td>
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<tr>
<td>Cell Biology B 301</td>
<td>3</td>
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<tr>
<td>Bacteriology B 303</td>
<td>3</td>
</tr>
<tr>
<td>Genetics B 343-344</td>
<td>3-4</td>
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<tr>
<td>College Chemistry C 131-134</td>
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<td>Organic Chemistry C 317-320</td>
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<td>Biochemistry C 431-432</td>
<td>4</td>
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<td>Mathematics M 111</td>
<td>4</td>
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<td>General Physics PH 101-102</td>
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<td>Electives</td>
<td>34-35</td>
</tr>
</tbody>
</table>

**SUGGESTED PROGRAM**

**1st SEM** | **2nd SEM**
---|---
English Composition E 101-102 | 3 |
College Chemistry C 131-134 | 4 |
Mathematics M 111-204 | 5 |
Area I Core Courses | 3 |
| | 15 |

**6**

**1**

**4**

**3**

**2**

**2**

**Additional Requirements:**

- To be taken as correspondence course through Washington State University.
- **H** 202, Health Delivery Systems, is prerequisite for H 493, Preprofessional Internship.

**MEDICAL TECHNOLOGY PROGRAM**

**REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<tr>
<td>Area II Core Elective</td>
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<tr>
<td>Area I Core Elective</td>
<td>12</td>
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<tr>
<td>Mathematics M 111</td>
<td>5</td>
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<tr>
<td>College Chemistry &amp; Laboratory C 131-134</td>
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<td>Organic Chemistry &amp; Laboratory C 317-319</td>
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<tr>
<td>Biochemistry &amp; Laboratory C 431-432</td>
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<td>General Zoology Z 130</td>
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<tr>
<td>Cell Biology B 301</td>
<td>3</td>
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<tr>
<td>Bacteriology B 303</td>
<td>3</td>
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<tr>
<td>Pathogenic Bacteriology B 310</td>
<td>3</td>
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<tr>
<td>Immunology B 420</td>
<td>3</td>
</tr>
<tr>
<td>General Botany BT 130</td>
<td>4</td>
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<tr>
<td>Human Physiology Z 401</td>
<td>4</td>
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<td>Health Sciences Electives</td>
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<td>Electives</td>
<td>3-5</td>
</tr>
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</table>

**SUGGESTED PROGRAM**

**1st SEM** | **2nd SEM**
---|---
English Composition E 101-102 | 3 |
College Chemistry C 131-133 | 3 |
College Chemistry Laboratory C 132, 134 | 1 |
Mathematics M 111 | 2 |
Health Sciences Electives | 3 |
Area I or II Core Electives | 6 |
| | 15 |

**6**

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**17**

**Additional Requirements:**

- Two semesters of Biochemistry C 431-432 (7 credits) are recommended.
COLLEGE OF HEALTH SCIENCE

JUNIOR YEAR:

General Bacteriology B 303 5
Pathogenic Bacteriology B 310 - 4
Immunology B 420 3
Biochemistry C 311 3
Biochemistry Laboratory C 342 1
Electives Area I or II Core 3 3
Health Delivery Systems H 302 - 3
Human Physiology Z 401 - 4
Free Electives 3
17 15

Sophomore, Junior and Senior years are individually planned in consultation with advisor.

Students have the responsibility of applying directly to hospital schools for admission to a professional program in Medical Technology.

Upon admission to a hospital school affiliated with BSU and approved and accredited by CAHEA, the student may register for and earn an additional 32 credits for Medical Technology Clinical Class and Practice (MT 487-8-9) and a Baccalaureate degree in Medical Technology.

Medical Technology Clinical Class and Practice (MT 487-8-9) is comprised of a 12-month course of study of the following subjects, taught as part of the hospital program:

- Hematology
- Clinical Bacteriology
- Clinical Parasitology
- Urinalysis
- Clinical Chemistry
- Immunohematology
- Serology-Immunology
- Toxicology
- Clinical Mycology
- Clinical Correlations Seminar

COURSE OFFERINGS

MT MEDICAL TECHNOLOGY

MT 201 BASIC MEDICAL TECHNOLOGY (2-0-2) (S). Introduction to the basic aspects of the theory and practice encountered in Medical Technology. Even-numbered years.

MT 487 CLINICAL CLASS AND PRACTICE (175 Hr per Sem—700 Hr per Sum — 14 CR) (F). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 488 CLINICAL CLASS AND PRACTICE (175 Hr per Sem—700 Hr per Sum — 14 CR) (S). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 489 CLINICAL CLASS AND PRACTICE (32 Hr per Sem—218 Hr per Sem— 14 CR) (SU). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital accredited by CAHEA.

NON-DEGREE PROGRAMS

PRE-DENTAL HYGIENE

Student Health Center, Room 117 Phone 208-385-1996

Advisor: Rex E. Profit

This curriculum is designed for students interested in a professional career in Dental Hygiene. The program leads to a Bachelor of Science degree in Dental Hygiene. The suggested program outlined here is based upon the liberal arts prerequisite courses generally required by a professional school of dental hygiene. Students are advised to see the pre-Dental Hygiene advisor and pattern their curriculum at BSU after that of the specific professional school to which they expect to apply.

PRE-OCCUPATIONAL THERAPY

2268 University Drive Phone 208-385-3383

Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their prerequisites requirements. A minimum of two years of preprofessional work is required, and more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student’s choice, and pattern the preprofessional curriculum in line with the requirements of the desired school.

PRE-OPTOMETRY

2268 University Drive Phone 208-385-3383

Advisor: Conrad Colby

For students interested in preparing for optometry training, science courses should be preprofessional courses designed for science majors which offer laboratory experience. Brief survey courses in the sciences will not prepare a student for the schools and colleges of Optometry.

All of the schools and colleges require additional courses for admission, but each Optometry school has its own set of requirements. The student should write to the Optometry school of his or her choice for a list of specific courses.

Although a minimum of two years of pre-Optometry study is required, most students accepted by a school or college of Optometry have completed three years in an undergraduate college. A large percentage of students accepted by the schools and colleges of Optometry have earned a bachelor degree.

The requirements for admission to the schools and colleges of Optometry vary. However, all Optometric schools and colleges require at least two years of pre-Optometric study which should include:

SUGGESTED PROGRAM

General Biology or Zoology B 101-102
or Z 130 1 or 2 semesters
College Chemistry C 131-134 2 semesters
General Physics PH 101-102 2 semesters
English E 101-102 2 semesters
College Mathematics 2 semesters

Additional courses that may be needed for the pre-Optometry program are:

- Psychology
- Social Science
- Philosophy
- Literature
- Organic Chemistry
- Microbiology
- Bacteriology
- Comparative Anatomy
- Physiology
- Statistics
- Algebra and Trigonometry
- Analytic Geometry
- Differential Calculus
- Integral Calculus

PRE-PHARMACY

2268 University Drive Phone 208-385-4377

Advisor: Dr. Robert A. Hibbs

BSU students who wish to receive a Bachelor of Science in Pharmacy usually plan to take their preprofessional courses at BSU and then apply for admission to the College of Pharmacy at Idaho State University. The Pharmacy program consists of two years of preparatory studies followed by three years in the College of Pharmacy at ISU. The curriculum outlined below is based upon the requirements of ISU. Students who intend to apply to Pharmacy schools other than ISU are advised to consult the pre-Pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer.
SUGGESTED PROGRAM

FRESHMAN YEAR:  1st  2nd

<table>
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<tr>
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<td>Chemistry C 131, 133</td>
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<td>Mathematics M 111</td>
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<td>*Mathematics M 204</td>
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<td>Fundamentals of Speech CM 111</td>
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15-16  16

SOPHOMORE YEAR:  1st  2nd

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<tr>
<th>Course</th>
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<td>Zoology Z 130</td>
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<td>Cell Biology B 225</td>
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<td>Organic Chemistry C 317-318</td>
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<td>Organic Chemistry Lab C 319-320</td>
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<td>2</td>
</tr>
<tr>
<td>Microbiology B 205</td>
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<td></td>
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<td>Physics PH 101-102</td>
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<tr>
<td>Electives</td>
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</tbody>
</table>

17-18  16

* When possible it is desirable to take M 204 the first semester and add General Botany BT 130 the second semester of the freshman year.

Quantitative Analysis C 211-212 can also be taken as a preprofessional course.

PRE-PHYSICAL THERAPY

Student Health Center, Room 118 Phone 208-385-3281

Advisor: Dr. Gary Craychee

This curriculum is designed for students interested in a professional career in Physical Therapy. A minimum of two preprofessional years is required for admission to a school of Physical Therapy.

The Freshman year suggested is based upon admission requirements of professional schools to which the majority of BSU's pre-Physical Therapy students gain admission.

SUGGESTED PROGRAM

FRESHMAN YEAR:  1st  2nd

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>Anatomy and Physiology Z 111-112</td>
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<td>College Chemistry C 131, 133</td>
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<td>College Chemistry Lab C 132, 134</td>
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<tr>
<td>Electives (Area I, II)</td>
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</table>

16  18

During the freshman year the student, in consultation with the advisor, should pattern the sophomore year according to the requirements of the Physical Therapy school the student is planning to attend.

COURSE OFFERINGS

H HEALTH SCIENCES

For H Health Sciences courses see Department of Community and Environmental Health course descriptions.

DEPARTMENT OF RADIATIONAL SCIENCES

Student Health Building Phone 208-385-1996

Director and Assistant Professor: Rex E. Profit, RTR; Clinical Coordinator and Assistant Professor: Thomas L. Kraker, RTR; Assistant Professors: Craychee, RTR; Munk, RTR; Swartz, RTR; Adjunct Faculty: Champion, RTR; Crew, RTR; Neavill, RTR; S nigian, RTR. Medical Director: John H. Truska, M.D. Advisory Board: Lyle Barnes, RTR; Carolyn Beaman, RTR; David W. Bennett, M.D.; Cleo Champion, RTR; Conrad Colby, RTR; John Frobenius; Charlie Howard, RTR; Peter Langhus, M.D.; Galen Long, NMT; Avery Pratt, M.D.; Charles Smith, M.D.; Janis Sprout, RTR; Scott Staley; John H. Truska, M.D.; Mildred Wade, RN.

To determine the presence of injury or disease, Radiologic Technologists position patients and operate X-ray machines to produce diagnostic films (radiographs). Most technologists work in the Radiology Department of hospitals or with physicians who maintain private practices.

The Radiologic Technology Program offers a curriculum utilizing both University and clinical components. This type of integrated program is needed so that students may gain the essential knowledge and skills required to become Radiologic Technologists.

The program has been granted full accreditation by the Committee on Allied Health Education and Accreditation of the American Medical Association. The curriculum will enable the student to complete the associate degree requirements and be eligible for the national certification examination. If desired, the student may continue on to the Baccalaureate degree.

Degrees Offered:

Baccalaureate

Associate of Science

RADIOLOGY TECHNOLOGY PROGRAM

REQUIREMENTS FOR ADMISSION

A. Freshman Core Year

1. See University Admission Policy.

B. Sophomore Year

1. Only students who have completed or are in the process of completing the freshman curriculum with a GPA of 2.25 or higher will be considered for acceptance into the sophomore year of the Radiologic Technology Program.

2. Health status must be adequate to insure successful performance of hospital activities.

APPLICATION PROCESS

A. Freshman Year

1. See University Requirements.

B. Sophomore Year

1. All students must fill out and return to the Radiologic Sciences Department office a "Special Programs Application" on or before March 1 of the year in which they plan to attend the sophomore year.

2. Applicants are required to have an interview during the spring semester of the freshman year. Contact the department chairman for details.

3. Applicants will be notified of their status by April 25. Due to the limited number of clinical sites, the program can accept only a limited number of students each year.

All students admitted to the Radiologic Technology Program are required to:

1. Submit a negative PPD plus a documented Rubella immunity report to the department by September of the year in which the student enters the Sophomore year.

2. Submit $65.00 as prepayment for student name, pin, clinical insurance, radiation monitoring badges and markers. This non-refundable cost is payable by May 10.

3. Submit a $60.00 Lab Fee, per academic year, payable to the department by September 1st of the professional year.

PROMOTION AND GRADUATION

1. Students must maintain a GPA of at least 2.50 (in professional courses) for the first semester of the professional program. A GPA of less than the required may constitute removal from the program.

2. A grade of less than a C in any professional theory (numbered H, RD or clinical unit must be repeated and raised to a C or higher before continuing in the program.

SUGGESTED PROGRAM

FRESHMAN YEAR:  1st  2nd

<table>
<thead>
<tr>
<th>Course</th>
<th>SEM</th>
<th>SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology Z 111-112</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Medical Terminology H 101</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
### Baccalaureate Degree Curriculum

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/ university program, or have permission from the department chairman.

#### Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>RD 222</td>
<td>Radiographic Positioning (4-0-4)</td>
</tr>
<tr>
<td>RD 230</td>
<td>Radiation Biology-Protection (2-0-2)</td>
</tr>
<tr>
<td>RD 242</td>
<td>Radiographic Positioning (4-0-3)</td>
</tr>
<tr>
<td>RD 252</td>
<td>Radiographic Techniques &amp; Control (2-0-2)</td>
</tr>
<tr>
<td>RD 260</td>
<td>Medical &amp; Surgical Diseases (3-0-3)</td>
</tr>
<tr>
<td>RD 275</td>
<td>Seminar in Radiologic Sciences (3-0-2)</td>
</tr>
<tr>
<td>RD 285</td>
<td>Radiographic Positioning II (3-0-3)</td>
</tr>
<tr>
<td>RD 297</td>
<td>Area I Core Electives (3-0-3)</td>
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**SUMMER:**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>RD 285</td>
<td>Radiologic Technology Clinical Practicum (0-240-4)</td>
</tr>
<tr>
<td>RD 300</td>
<td>Radiologic Techniques (3-0-3)</td>
</tr>
<tr>
<td>RD 305</td>
<td>Clinical Experience (0-360-6)</td>
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**JUNIOR YEAR:**

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<tr>
<th>Course Code</th>
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<tr>
<td>RD 211</td>
<td>Clinical Practicum (0-3-1)</td>
</tr>
<tr>
<td>RD 222</td>
<td>Radiographic Positioning (4-0-4)</td>
</tr>
<tr>
<td>RD 230</td>
<td>Medical &amp; Surgical Diseases (3-0-3)</td>
</tr>
<tr>
<td>RD 242</td>
<td>Seminar in Radiologic Sciences (3-0-2)</td>
</tr>
<tr>
<td>RD 252</td>
<td>Radiographic Positioning II (3-0-3)</td>
</tr>
<tr>
<td>RD 260</td>
<td>Area I Core Electives (3-0-3)</td>
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**SUMMER:**

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<tr>
<th>Course Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>RD 285</td>
<td>Radiologic Technology Clinical Practicum (0-240-4)</td>
</tr>
<tr>
<td>RD 300</td>
<td>Radiologic Techniques (3-0-3)</td>
</tr>
<tr>
<td>RD 305</td>
<td>Clinical Experience (0-360-6)</td>
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**Sophomore Year:**

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<tr>
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<tbody>
<tr>
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<td>Clinical Practicum (0-3-1)</td>
</tr>
<tr>
<td>RD 222</td>
<td>Radiographic Positioning (4-0-4)</td>
</tr>
<tr>
<td>RD 230</td>
<td>Radiation Biology-Protection (2-0-2)</td>
</tr>
<tr>
<td>RD 242</td>
<td>Radiographic Positioning (4-0-3)</td>
</tr>
<tr>
<td>RD 252</td>
<td>Radiographic Techniques &amp; Control (2-0-2)</td>
</tr>
<tr>
<td>RD 260</td>
<td>Medical &amp; Surgical Diseases (3-0-3)</td>
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**SUMMER:**

<table>
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<th>Course Code</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>RD 285</td>
<td>Radiologic Technology Clinical Practicum (0-240-4)</td>
</tr>
<tr>
<td>RD 300</td>
<td>Radiologic Techniques (3-0-3)</td>
</tr>
<tr>
<td>RD 305</td>
<td>Clinical Experience (0-360-6)</td>
</tr>
</tbody>
</table>

### Course Offerings

#### RD Radiologic Technology

**Lower Division**

- RD 211 CLINICAL PRACTICUM (0-3-1) (F).
- RD 221 CLINICAL PRACTICUM (0-3-1) (S).
- RD 222 RADIOPHARGIC POSITIONING (4-0-4) (F).
- RD 230 RADIATION BIOLOGY/PROTECTION (2-0-2) (F).
- RD 242 RADIOPHARGIC POSITIONING (4-0-3) (S).
- RD 252 RADIOPHARGIC TECHNIQUES & CONTROL (2-0-2) (S).
- RD 260 MEDICAL & SURGICAL DISEASES (3-0-3) (F).
- RD 275 SEMINAR IN RADIOLGICAL SCIENCES (2-0-2) (S).
- RD 285 RADIOPHARGIC POSITIONING II (3-0-3) (F).
- RD 297 AREA I CORE ELECTIVES (3-0-3) (S).
- RD 298 RADIOPHARGIC QUALITY ASSURANCE (3-0-3) (F).

**Upper Division**

- RD 300 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 305 RADIOPHARGIC TECHNOLOGY (3-0-3) (S).
- RD 311 CLINICAL PRACTICUM (0-3-1) (F).
- RD 316 RADIOPHARGIC POSITIONING (4-0-4) (F).
- RD 320 RADIOPHARGIC POSITIONING (2-0-2) (S).
- RD 321 CLINICAL PRACTICUM (0-3-1) (S).
- RD 325 SEMINAR IN RADIOLGICAL SCIENCES (2-0-2) (S).
- RD 336 RADIOPHARGIC POSITIONING IV (3-0-4) (S).
- RD 340 SPECIAL RADIOPHARGIC PROCEDURES (4-0-4) (F).
- RD 350 MEDICAL AND SURGICAL DISEASES (3-0-3) (F).
- RD 360 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 365 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 375 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 385 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 395 RADIOPHARGIC TECHNIQUES (3-0-3) (S).
- RD 397 RADIOPHARGIC TECHNIQUES (3-0-3) (S).

**Department of Respiratory Therapy**

2268 University Drive  Phone 208-385-3383
Chairman and Associate Professor: Conrad Colby, RRT; Director of Clinical Education and Instructor: Keith B. Hopper, RRT; Medical Director:
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 curriculum consists of a preprofessional year followed by two years of professional study leading to an Associate of Science degree in Respiratory Therapy. The Associate of Science degree qualifies the student for the examination of the National Board for Respiratory Care. If accepted, the student may continue on to the Baccalaureate degree.

The Respiratory Therapy Program has been granted accreditation by the Committee on Allied Health Education and Accreditation of the American Medical Association.

Degrees offered:
- Baccalaureate
- Associate of Science

REQUIREMENTS FOR ADMISSION

A. Preprofessional Year
- See University Admission Policy.

B. Professional Program
1. Only students who have completed or are the in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
2. Health status must be adequate to ensure performance of hospital activities.

C. All students admitted to the Respiratory Therapy Program are required to:
1. Submit a negative PPD or chest x-ray plus a documented Rubella immunity report to the department by September of the year in which the student enters the professional program.

APPLICATION PROCESS

A. Preprofessional Year
1. See University Requirements.

B. Professional Program
1. Students must maintain a GPA of at least 2.50 (in professional courses) for the first semester of the professional program. A GPA of less than that required may constitute removal from the program.
2. A grade of less than a C in any professional theory (numbered H, RT) or clinical unit must be repeated and raised to a C or higher.
3. Students who have completed all course requirements with a GPA of 2.35 or higher (during the professional program) qualify for graduation. Students not meeting this requirement may be denied graduation.

PROFESSIONAL CURRICULUM

FIRST PROFESSIONAL (SOPHOMORE) YEAR: 2nd SEM

<table>
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<tr>
<th>Course</th>
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<tr>
<td>Respiratory Therapy Theory I RT 203</td>
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</tr>
<tr>
<td>Respiratory Therapy Theory II RT 223</td>
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<tr>
<td>Respiratory Therapy Lab I RT 204</td>
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<tr>
<td>Respiratory Therapy Lab II RT 224</td>
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<tr>
<td>Clinical Practicum I RT 208</td>
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<td>3</td>
</tr>
<tr>
<td>Clinical Practicum II RT 228</td>
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</tr>
<tr>
<td>Cardiopulmonary Physiology RT 201</td>
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<tr>
<td>Respiratory Therapy Nursing Arts RT 207</td>
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<tr>
<td>General Pathology RT 209</td>
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<tr>
<td>Emergency Procedures in Respiratory Care RT 213</td>
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<td>Area I, II Core Electives</td>
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<tr>
<td>Pulmonary Function Lecture RT 225</td>
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<td>2</td>
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<tr>
<td>Pulmonary Function Laboratory RT 226</td>
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</tr>
<tr>
<td>Pulmonary Medicine I RT 227</td>
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<tr>
<td>Foundations of Physical Science PS 100</td>
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<tr>
<td>Microbiology B 205</td>
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<tr>
<td>Summertime</td>
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SUMMER:
- Area I, II Core Electives
- 6

SECOND PROFESSIONAL (JUNIOR) YEAR:

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Respiratory Therapy Theory III RT 303</td>
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<tr>
<td>Respiratory Therapy Theory IV RT 306</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Respiratory Therapy Lab III RT 304</td>
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<tr>
<td>Respiratory Therapy Lab IV RT 324</td>
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<tr>
<td>Clinical Practicum III RT 308</td>
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</tr>
<tr>
<td>Clinical Practicum IV RT 328</td>
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<tr>
<td>Radiologic Studies of the Respiratory System RT 305</td>
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<tr>
<td>Pulmonary Medicine II RT 327</td>
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<tr>
<td>Respiratory Cardiology RT 307</td>
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<tr>
<td>Professional Seminar RT 398</td>
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<tr>
<td>Principles of Pharmacotherapeutics RT 301</td>
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<tr>
<td>SUMMER</td>
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<td>13</td>
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</tbody>
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BACCALAUREATE DEGREE CURRICULUM

Prerequisite for Admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Respiratory Therapy at BSU, or have an associate degree in Respiratory Therapy and/or related discipline from a comparable college/university program, and have permission of the department chairman.

SENIOR YEAR:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Personnel Administration MG 305</td>
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<tr>
<td>Human Resource Management MG 401</td>
<td>3</td>
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</tr>
<tr>
<td>Intro to Information Science IS 210 OR</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Intro Financial Accounting AC 205</td>
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<td>3</td>
</tr>
<tr>
<td>Electives (Area I or II)</td>
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<td>3</td>
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<tr>
<td>Compensation Management MG 406</td>
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<td>3</td>
</tr>
<tr>
<td>Respiratory Therapy Colloquium RT 401</td>
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<td>3</td>
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<tr>
<td>Area I, II Core Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>SUMMER</td>
<td>12</td>
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</tr>
</tbody>
</table>
COLLEGE OF HEALTH SCIENCE

COURSE OFFERINGS

RT RESPIRATORY THERAPY

Lower Division

RT 201 RESPIRATORY THERAPY CARDIOPULMONARY PHYSIOLOGY (4-0-4) (F). Normal physiological functions of the pulmonary and circulatory systems. PREREQ: PERMIINST.

RT 203 RESPIRATORY THERAPY THEORY I (2-0-2) (F). Medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. PREREQ: PERMIINST.

RT 204 RESPIRATORY THERAPY LABORATORY I (0-2-1) (F). Medical gas techniques. PREREQ: PERMIINST.

RT 207 RESPIRATORY THERAPY NURSING ARTS (1-0-1) (F). Nursing arts which pertain directly to respiratory therapy, including body mechanics, patient lifting and positioning. PREREQ: PERMIINST.

RT 208 CLINICAL PRACTICUM I (0-12-3) (F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. PREREQ: PERMIINST.

RT 209 GENERAL PATHOLOGY (3-0-3) (F). Human pathology as pertains to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic and lymphoreticular systems, and respiratory system. PREREQ: PERMIINST.

RT 213 EMERGENCY PROCEDURES IN RESPIRATORY CARE (1-0-1) (F). Theory and technique necessary in emergency respiratory care. PREREQ: PERMIINST.

RT 223 RESPIRATORY THERAPY THEORY II (2-0-2) (S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. In-depth study of hospital infection control including comparative studies and various sterilization and disinfectant techniques. PREREQ: PERMIINST.

RT 224 RESPIRATORY THERAPY LABORATORY II (0-2-1) (S). Use of hyperinflation therapy devices and chest physiotherapy. PREREQ: PERMIINST.

RT 227 PULMONARY FUNCTION LECTURE (2-0-2) (S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. PREREQ: PERMIINST.

RT 226 PULMONARY FUNCTION LABORATORY (0-2-1) (S). Practice in pulmonary function testing and techniques. PREREQ: PERMIINST.

RT 228 CLINICAL PRACTICUM II (0-12-3) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. PREREQ: PERMIINST.

Upper Division

RT 301 PRINCIPLES OF PHARMACOTHERAPEUTICS (3-0-3) (F). Principles, practical uses and interactions of drugs and their relationship to disease. PREREQ: PERMIINST.

RT 303 RESPIRATORY THERAPY THEORY III (2-0-2) (F). Theory and clinical application of mechanical ventilator including care and management of artificial airways. PREREQ: PERMIINST.

RT 304 RESPIRATORY THERAPY LABORATORY III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. PREREQ: PERMIINST.

RT 305 RADIOLOGIC STUDIES OF THE RESPIRATORY SYSTEM (1-0-1) (F). Presentation and interpretation of respiratory radiographs. PREREQ: PERMIINST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2) (F). Electro-cardiography, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERMIINST.

RT 308 CLINICAL PRACTICUM III (0-16-4) (F). Experience in the hospital with patients, techniques and equipment as applied to mechanical ventilation and artificial airways. PREREQ: PERMIINST.

RT 323 RESPIRATORY THERAPY THEORY IV (2-0-2) (S). Theory and application of techniques and equipment to neonatology and pediatrics. PREREQ: PERMIINST.

RT 324 RESPIRATORY THERAPY LABORATORY IV (0-2-1) (S). Use of infant ventilators and specialty techniques pertaining to pediatrics. PREREQ: PERMIINST.

RT 327 PULMONARY MEDICINE II (3-0-3) (F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of those diseases. PREREQ: PERMIINST.

RT 328 CLINICAL PRACTICUM IV (0-24-6) (S). Experience in the hospital with any or all aspects of respiratory therapy. PREREQ: PERMIINST.

RT 398 RESPIRATORY THERAPY PROFESSIONAL SEMINAR (4-0-4) (S). Focuses on the ethics and medicolegal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and interdepartmental relations are considered. PREREQ: PERMIINST.

RT 401 RESPIRATORY THERAPY COLLOQUIUM (3-0-3) (S). Investigation of current topics in health care and Respiratory Therapy management. Field work may be combined with seminars to explore topics such as federal and state legislation, current trends in hospital accreditation and audit procedures, ethics of health care, and the role of the Respiratory Therapist as Manager. PREREQ: PERMIINST.
GRADUATE COLLEGE

Dean: Kenneth M. Hollenbaugh, Ph.D.

Graduate Program Coordinators

Business:
Associate Dean, School of Business: J.G. Doss, Ph.D.

Education:
Coordinator of Graduate Studies, School of Education:

Public Administration:
Chairman, Department of Political Science: Willard Overgaard, Ph.D.

PROGRAMS

Boise State University offers the graduate degrees of Master of Business Administration, Master of Arts/Science in Education, Master of Public Administration.

AREAS OF EMPHASIS


The Master of Public Administration Degree Program has three areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

GRADUATE FACULTY

The graduate faculty is comprised of those full-time faculty who have been approved by the Graduate Council to teach graduate level courses, participate in the conduct of the graduate programs, and supervise graduate students. Each member of the graduate faculty is reviewed on a three year cycle to document his/her participation in graduate education activities.

Part-time faculty who are approved by the Graduate Council to teach a graduate course are appointed as adjunct graduate faculty. Such appointments are for specific assignments and are renewable but not perpetual.

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 final enrollment, the Graduate Admissions Office 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.
GRADUATE COLLEGE

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.

ADMISSION TO THE GRADUATE COLLEGE

A student may be admitted to the Graduate College at Boise State University when the following admissions criteria have been met:

1. The applicant has earned a Bachelor 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.
3. Completion of the predictive examination required by the department as listed under department criteria.
4. Recommendation for admission by the department in which the applicant expects to work and approval by the Graduate College.

GRADUATE STATUS CLASSIFICATION FOR MATRICULATED STUDENTS

Applicants may be admitted to the Graduate College at Boise State University under three classifications.

Regular Status: The applicant has been admitted with full graduate status into a graduate degree program and has received official institutional notification to this effect.

Provisional Status: An applicant may be admitted to the Graduate College 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 credits of approved study.

Unclassified status: Persons who feel qualified to profit from graduate courses may enroll in these under "Unclassified Status" provided the following conditions are met:
1. The applicant has successfully completed all courses that are prerequisite to the graduate course for which he is enrolling.
2. There is space available in the class.
3. The applicant has obtained permission to enroll in the course from the instructor or the graduate program director.

A student given "Unclassified Status" is admitted to the Graduate College but academic credits earned may not necessarily be accepted towards a graduate degree if the student applies for and is admitted to a graduate degree program at a later time.

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 college or department in which the student will work.

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 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 purpose 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 so 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 College upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate College, 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 course credit 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 level course at BSU may include no more than one repeated course toward a Master's Degree Program. A student who earns a grade of F may not count a retaken course toward any Master Degree Program at Boise State University. Therefore, a student who gets an F in a required course is automatically excluded from further Master degree work. With a D in one of these courses there is a single chance of redemption.

CREDIT REQUIREMENTS

A minimum of thirty semester credits of coursework approved by the graduate student's supervisory committee is required. More than thirty 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 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 meeting 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 College that the student be admitted with regular graduate status.

RESIDENCE REQUIREMENTS

A minimum of twenty-one 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 semester graduate credits taken at other institutions may be transferred for credit toward a Master 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 course will be accepted for graduate credit. All appropriate graduate work taken 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 calendar years. The seven-year interval is to commence with the beginning of the oldest course (or other academic experience) for which credit is offered in a given Master Degree Program, and the interval must include the date of graduation when the Master degree from BSU 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 28) 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 College at least three weeks before commencement.

CANDIDACY

A student should apply for admission to candidacy and graduation as soon as he has completed twelve 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 specific foreign language requirements.

Candidacy involves specifying, on the appropriate form, the list of courses and projects which comprise the student’s 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 College.

PROGRAM DEVELOPMENT FORM

Graduate student 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.

The Program Development Form will be available from the colleges offering graduate degree programs. The advisor or committee will fill the Program Development Form with the Graduate College upon completion. Each change in program must be completed by filing a new Program Development Form showing the changes from the previous form.

Any courses being offered as transfer credit, as credit reserved, 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 requirements of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the department or interdisciplinary unit which field 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 College once each semester and summer session. They are listed in the calendar of the BSU catalog.

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 College 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 the thesis or project must be conducted at least three weeks before commencement. On a final examination in defense of a thesis or project, an additional member, who may be from outside the department or college, 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 college 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 as 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 to take a predictive examination.

Students wishing to pursue graduate study in Business Administration should contact the Office of the Dean, College 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 MBA even if the student is admitted subsequently.

Credit Limitation in Courses Graded Pass or Fail and Directed Research

599-SHORT-TERM CONFERENCE OR WORKSHOP

A maximum of three credits earned with a grade of P will be allowed toward the credit requirements for a Master degree at Boise State University.

596-DIRECTED RESEARCH

Masters 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 nine credit hours, with no more than six credits in any one semester. The College of Business has a limitation of three credits of internship and/or Directed Research for MBA students.

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 College with the explicit recommendation of the dean of the college 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 college 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 or 400 level. No course numbered below 500 carries credit unless the g or G is affixed.

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or college.

2. G courses carry graduate credit for students both in the department or college 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 Application for Graduate Degree which can be obtained from the Graduate Admissions Office or from the Deans of Business and Education. The Bookstore will notify the student how to order the cap and gown for the graduation ceremony.

University-Wide Numbers of Graduate Offerings:

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<th>Course Numbering System</th>
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GRADUATE PROGRAMS
COLLEGE OF ARTS
AND SCIENCES

MASTER OF PUBLIC ADMINISTRATION

The Master 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 how 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 at the cooperating universities, a representative of the Office of the State Board of Education, and a representative of cooperative governmental agencies. The essential features of this inter-university cooperative program are: (1) general coordination and policy control by the Inter-University Committee; (2) unrestricted transferability of credits earned at any of the participating universities; (3) coordination among universities in scheduling and offering courses in the MPA program; and (4) establishment of a basic core of courses at all three cooperating institutions plus optional areas of emphasis which may vary among the universities and which reflect the particular areas of specialization available at the respective universities.

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

ADMISSION TO THE MPA PROGRAM

Students may enroll in the MPA program 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 the 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.

Some coursework in Humanities and Social Science (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

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

1. Possession of a baccalaureate degree from an accredited institution.
2. 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 and approval of the Graduate College. Final determination of the retention in the MPA program of a student with Provisional Status will be made after the completion of 12 credits of approved study, with the general requirements of a grade of B or better in the coursework taken.
3. 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.
4. Submission of a brief statement by the applicant indicating his/her career objectives and the area of emphasis to be undertaken in the MPA program.
5. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program).
   a. American National Government 3
   b. State, Local Government 3
   c. Introduction to Public Administration 3
   d. At least 3 credits in each of 2 of the following areas:
      1) Sociology
      2) Economics
      3) Psychology
   e. At least 3 credits in 1 of the following areas:
      1) Accounting
      2) Data Processing
      3) Social Statistics
   f. For those students selecting Human Services Administration as their area of emphasis for specialized preparation in Public Administration, at least 9 credits in Sociology.
   g. For those students selecting Criminal Justice Administration as their area of emphasis for specialized preparation in Public Administration, at least 9 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.

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

THE GRADUATE DEGREE PROGRAM

The MPA degree may be achieved through the successful completion of at least 30 semester credit hours of approved coursework 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 degree. The thesis counts as 6 credits toward completion of the degree in lieu of coursework selected from the student's area of emphasis. All MPA candidates must complete final examination. Those following the thesis option will complete an oral examination covering the thesis and program coursework. The non-thesis option requires a written and oral examination over program coursework.

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

CORE AND OPTIONAL AREA REQUIREMENTS

The specific course requirements of the MPA program are set forth in a list of courses which have 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" 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 areas which currently are available or are planned for future development at all of the cooperating universities. (A description of these "areas of emphasis" which are presently operational at each institution and admission forms to the MPA program are available through the Chairman of the Department of Political Science at Boise State University, the Chairman of the Department of Political Science 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 coursework 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 8 "core areas" listed under items 1 and 2 above.

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

1. General Public Administration
2. Community, State & Regional Planning
3. Criminal Justice Administration
4. Public Health Administration
5. Environmental & Natural Resources Administration
6. Local Government Administration
7. Human Services Administration
8. 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 for the internship shall be in addition to the 30 semester credit hours of coursework 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

1. Designated Core Area
   (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: Organization Theory & Bureaucratic Structure PO 487G.
   d. Administrative Law: Administrative Law PO 467G.
   e. The Executive & the Administrative Process: The Role of the Executive in Policy Making PO 530.
   f. Intergovernmental Relations: Intergovernmental Relations PO 469G.
   g. Community & Regional Planning: (No course offering yet provided at BSU).
   h. Comparative Public Administration & Planning Systems: Comparative Public Administration PO 465G.

2. 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 BSU the student may select the remaining 12 credit hours of coursework from the courses listed below:
GRADUATE COLLEGE

PO 586 COMMUNITY AND REGIONAL PLANNING
PO 587 COMPARATIVE PUBLIC ADMINISTRATION AND PLANNING SYSTEMS
PO 590 PUBLIC SERVICE INTERNSHIP (variable credit). Arranged as field experience for those students with no prior experience in governmental or other organizational assignments. Such internships will be established and arrangements made for placement through the chair-
man of department of political science.
PO 593 THESIS (3 credits/semester). Selection of approved topic in public administration for major preparation and defense through consultation with major advisor.
PO 595 READING AND CONFERENCE (1-2 credits). Directed reading on selected materials in public administration and discussion of these materials, as arranged and approved through major advisor.
PO 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. Course embodies research, discussions of the subject matter and proce-
dures with a designated professor and a documentary paper covering the subject of the inde-
pendent study.
PO 598 CONFERENCE OR 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.

CR CRIMINAL JUSTICE ADMINISTRATION COURSES
CR 510 SPECIAL PROBLEMS IN CORRECTIONAL TREATMENT (3-0-3)/(F/S). Analysis of contemporary problems in the correctional programs of American society.
CR 511 SPECIAL PROBLEMS OF THE JUVENILE AND YOUTHFUL OFFENDER (3-0-3)/(F/S). Examination of current processes in juvenile justice, rehabilitation programs, probation and utilization of community-based resources. Emphasis will be placed on preventive rehabilitative measures at the local level.
CR 580 SELECTED TOPICS - CRIMINAL JUSTICE ADMINISTRATION (3-0-3). Examination, evaluation and research regarding contemporary problems in the criminal justice system. Students will be required to do extensive reading and inquiry into special areas of concern and interest.
CR 595 READING AND CRIMINAL JUSTICE administration and discussion of these materials, as arranged and approved through major advisor.
CR 598 SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION (2-0-2)/(F/S). Intensive analysis of selected subject areas of the system of criminal justice administration. PREQ: CR 301.

SO SOCIOLOGY COURSES
SO 501 THE SOCIOLOGY OF EDUCATION (3-0-3). A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary society.
SO 510 CONFLICT AND CHANGE IN SOCIO-CULTURAL SYSTEMS (3-0-3)/(F/S). Intensive examination of social and cultural change as related to technological evolution, value changes and the resultant conflict in society.
SO 511 THE SOCIOLOGY OF AGE GROUP STRATIFICATION (3-0-3)/(F/S). 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.
SO 512 SOCIAL DEMOGRAPHY (3-0-3)/(F/S). Techniques and methods for analyzing popula-
tion growth, trends and movement as reflected in actuarial data, birth-death rate, mobility, fertility and fecundity as these affect the societal patterns, especially planning for human serv-
ix programs.
SO 580 SELECTED TOPICS - HUMAN SERVICES ADMINISTRATION (3 credits).
SO 595 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.

GRADUATE PROGRAMS
COLLEGE OF BUSINESS

MBA In Business

OBJECTIVES
The objectives of the Boise State University program leading to this graduate degree is to further prepare candidates for careers in their chosen field. The MBA degree emphasizes the traditional approach of the development of managerial generalists, with a common body of functional knowledge given to all students. While there is no area of emphasis or major available in the MBA program, once a student satisfies the functional core of courses, 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 College of Business of Boise State University. Common to all programs is a foundation of prerequisite knowledge in basic fields of Business Administration. Students presenting a Bachelor's degree in Business normally will have completed most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his Bachelor's degree in non-Business fields such as the Sciences, Engineering, and the Liberal Arts. Therefore, the students must demonstrate proficiency in prerequisites. These prerequisites may be fulfilled by satisfactory completion of coursework in these areas, or by successfully passing the acceptable CLEP examination, and any other local departmental requirements.

MATRICULATION REQUIREMENTS
SPECIFIC PREREQUISITES FOR APPLICANTS
All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrolling in Master classes. (New applicants for the programs 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 dates.)

1. Possession of a Bachelor's degree from an accredited institution.
2. Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following formulae: 1) 200 x overall GPA plus GMAT score must equal 1000 minimum or 2) 200 x senior/junior GPA plus GMAT score must equal 1050 minimum.
3. For foreign students, in addition to the above formulae, a score of 525 on the TOEFL, or its equivalent, is necessary.

4. Prerequisites:
   a. Accounting (equivalent to one year)
   b. Economics (equivalent to one year)
   c. College level Mathematics (equivalent to one year)
   d. Management
   e. Legal and Social Environment
   f. Marketing
   g. Finance
   h. Production Management
   i. Information Science/MIS
   j. Business Statistics
   k. Business writing proficiency - must be demonstrated by passing a proficiency test. Failure to pass this test will require enrollment in AS 328 Business Communication or its equivalent.

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in Master level courses. Enrollment in courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these Master courses.

The student may be required to remove other deficiencies (such as Organizational Theory, Ethics, or Behavior) as determined by the College of Business.

All applicants must be accepted by the Graduate College of Boise State University in order to achieve the Master degree.

THE MBA DEGREE
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.................................. 21-24
Electives ................................................ 9-6

NOTE: A student with a major in functional Business discipline such as Management, Marketing, Finance, Economics, Organization Behavior, or Accounting should not take the core course in that discipline, and may substitute an MBA elective in its place.

Students may elect a maximum of 6 credit hours from the 400 level "G" courses from the undergraduate College of Business program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding these courses.

Under certain conditions with the approval of the MBA program coordinator and the Department head concerned, MBA students may earn up to a maximum of 3 credit hours of Directed Research and/or Internship credits which apply to graduation requirements.
MBA REQUIRED CORE COURSES

GB 510 BUSINESS AND ITS ENVIRONMENT (3-0-3)(FS). 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.

*DS 512 STATISTICAL METHODS FOR BUSINESS DECISIONS (3-0-3)(Alternate Semesters). The application of the techniques and the reason for their employment in decision processes. Computer application programs are employed to assist in the learning process. Topics generally covered include: multiple regression analysis, forecasting and Bayesian decision theory. PREREQ: DS 207, IS 210, MG 301 or equivalent courses.

*DS 514 OPERATIONS RESEARCH METHODS FOR DECISION MAKING (3-0-3)(Alternate Semesters). An introduction to operations research, applying quantitative tools and interpreting the results. Particular attention is given to using the computer to analyze quantitative models. Typical areas covered are: linear programming, network models, and inventory control theory. PREREQ: graduate standing, DS 207, IS 210 and MG 301 or equivalent courses.

*Student selects either DS 512 or DS 514.

MK 519 MARKETING MANAGEMENT CONCEPTS (3-0-3)(FS). Interdisciplinary analytical integration of marketing management concepts with the organization and its environment. Emphasis on identifying opportunities, problems, selection and development of alternatives, formulation and implementation of strategies, plans, programs. Consumer, industrial, institutional and international markets included.

FI 520 FINANCIAL MANAGEMENT (3-0-3)(FS). Financial planning and control, capital budgeting, risk analysis, cost of capital and the capital asset pricing model, capital structure planning, dividend policy, bond refunding problems, short and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and multinational problems.

AC 532 ACCOUNTING - PLANNING AND CONTROL (3-0-3)(FS). Study of the planning and control processes 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 techniques of cost control and planning and control.

MG 540 ORGANIZATION THEORY (3-0-3)(FS). Determinants and effects of organizational design, with history and current trends in organizations. Methods of analyzing appropriate structure are discussed. Organizational behavior within the structural framework is explored with special attention given to groups, dynamics, power, leadership and influence.

EC 560 ECONOMICS OF PUBLIC POLICY (3-0-3)(FS). Contribution of economic analysis to the justification, design and implementation of economic policy. The issues surrounding the need for public policy in a private property market economy and the benefits and costs associated with government intervention. The relationships between the goals and the instruments of U.S. economic policy. PREREQ: EC 201, 202.

GB 579 BUSINESS POLICY FORMULATIONS (3-0-3)(FS). Utilizes complex business cases, business simulations, 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. Designed as a capstone for the last semester of the program.

MBA ELECTIVE COURSES

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(Intemittent). Analysis of management communication requirements in business. Development of a critical sense and analytical ability through evaluation of research, reports, and case studies. Writing and speaking skills emphasized through written reports, oral presentations and small group activities.

IS 545 COMPUTER APPLICATIONS FOR MANAGEMENT (3-0-3)(FS). Study of the impact of the computer on managers and on the environment in which managers work. Topics include data-base, MIS, the management decision process, and computer tools that can be used by managers in the decision process. Selected computer programming operations are explored.

MG 541 HUMAN RESOURCE MANAGEMENT (3-0-3)(FS). Effective management of human resources including discussion of the supervisory processes conducive to reducing labor costs and increasing productivity. Special attention is given to group dynamics, power, leadership and influence.

MG 542 MANAGEMENT OF SERVICE ORGANIZATIONS (3-0-3)(FS). The nature of interrelationships between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning.

MK 550 MARKETING RESEARCH (3-0-3)(FS). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project.

GRADUATE PROGRAMS, COLLEGE OF EDUCATION

A Master's degree in Education with emphases in the subject areas of Art, Business Education, Earth Science, English, History, Mathematics, Music, Curriculum & Instruction, Reading, Special Education and Early Childhood is presented through the Department of Teacher Education, the related subject department and the College of Education.

Application for admission to the graduate program in Education may be made at any time. It is recommended, however, that at least two months before the first enrollment, the Graduate Admissions Office will have received the application for admission, $10.00 matriculation fee and transcripts of all undergraduate and graduate work. 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.

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 instruction. Candidates must show promise of meeting the standards set by the College 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 GPA of at least 3.00 for the last two years of undergraduate study, or for the overall GPA of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements, if warranted and deemed appropriate.

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 and the Dean of the College of Education prior to acceptance in the planned program.

A maximum of 9 semester graduate credits may be accepted from other graduate schools upon approval of the chairperson of the candidate's committee and the Dean of the College of Education.

Six semester hours of credit will be open for selection in any area of the University's course offerings that will enable the candidate to strengthen a competency identified in their program. The candidate, in cooperation with the advisor, will choose courses which will meet the individual's needs as a teacher. Specific courses are listed within each area of emphasis.

Those students selecting one of the following areas of emphasis will follow the procedures set forth by respective departments: Art, Business Education (Dept. of Marketing and Administrative Services); Earth Science (Dept. of Geology/Geophysics), English, History, Mathematics and Music.
GRADUATE COLLEGE

The common Core courses for the Graduate Program in Art, Business Education, Earth Science, English, History, Mathematics and Music emphases are as follows:

- TE 570 Graduate Core-Issues in Education .......... 3 cr.
- TE 563 Conflicting Values in Education .......... 1 cr.
Elective Courses (Select 2 from the following)
- TE 564 .................................................. 1 cr.
- TE 565 .................................................. 1 cr.
- TE 566 .................................................. 1 cr.
- TE 568 .................................................. 1 cr.
- TE 569 .................................................. 1 cr.
Total .................................................. 6 cr.

Additional credits to the above will be determined by the respective departments.

OPTION REQUIREMENTS

The Education Graduate Program provides two options for those selecting one of the following emphases: Curriculum and Instruction, Early Childhood, Reading or Special Education: Option I Thesis/Project and Option II Written Comprehensive Examination.

OPTION I
(Thesis/Project)

Required of all candidates—Core program .............................................. 9
Required of all candidates—Fundamentals of Educational Research for Teachers TE 551 .... 3
Required of all candidates—Thesis-Project ............................................. 6
Selected Electives and or Specific Requirements ...................................... 15

A Thesis/Project, as mutually agreed upon by the Option I candidate and the committee, is required of the 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 an educational program.

OPTION II
(Comprehensive Examination)

Required of all candidates—Core Program .............................................. 9
Required of all candidates—One of the following: .................................. 1-3
Fundamentals of Educ Research for Teachers TE 551 ................................ 3
Interpreting Educational Research TE 565 ............................................. 1
Selected Electives and/or Specific Requirements ..................................... 23-21

(Total not required)

Required of all candidates—A comprehensive written examination at the end of the coursework. This examination is to be tailored by each candidate’s committee specifically for that candidate following guidelines established by the Department. After the candidate has written the examination, the committee will meet with the candidate to review and analyze the outcome of the examination and clarify the results prior to final approval or rejection.

Graduate Core for Curriculum and Instruction, Reading, Special Education and Early Childhood Education

Graduate Core: Issues in Education TE 570 ............................................. 3
Graduate Core: Directed Writing TE 571 ............................................. 3
Conflicting Values in Education TE 563 ............................................. 1
Elective courses (Select 2 from the following) ........................................ 2
Creative Teaching-Secondary School TE 564 ..................................... 1
Interpreting Education Research TE 565 ............................................. 1
Learning Theory and Classroom Instr. TE 566 ..................................... 1
Techniques of Classroom Management TE 568 ..................................... 1
Testing and Grading TE 569 ................................................................. 1
Creative Teaching in Elementary School TE 573 ................................... 1

TOTAL CREDITS .................................................................................. 9

CURRICULUM AND INSTRUCTION

1. Graduate Core ................................................................................. 9
2. Curriculum Planning and Implementation TE 581 ..................... 3
3. Analysis and Improvement of Instruction TE 582 ................. 2
4. Content area courses ........................................................................ 9
5. Elective options (choose I or II, below) ......................................... 9

I. Thesis-Project Option
Fundamentals of Educ Research for Teachers TE 551 .................... 3
Thesis-Project TE 591-593 ................................................................. 6
II. Comprehensive Written Examination Option
Either
Fundamentals of Educ Research for Teachers TE 551 .................... 3
Or
Interpreting Educational Research (part of core) ......................... 1
Electives ......................................................................................... 6 or 9

Total Credits 33

EARLY CHILDHOOD EMPHASIS

Required Courses:
1. Graduate Core ................................................................................. 9
2. Childhood Education-Research & Review TE 543 ..................... 3
Advancing, Physical and Intellectual Competencies in Early Childhood Education ...................................................... 3

Selected Electives (6):
Creativity in Early Childhood Education TE 545 ......................... 3
Diagnosis & Evaluation in Early Childhood Educ TE 546 .......... 3
Language Acquisition & Develop in Early Child Educ TE 547 .... 3
Program Development in Early Child Educ TE 548 ..................... 3

I. Thesis-Project Option
Fundamentals of Educ Research for Teachers TE 551 .................... 3
Thesis-Project TE 591-593 ................................................................. 6
II. Comprehensive Written Examination Option
Either
Fundamentals of Educ Research for Teach TE 551 ....................... 3
Or
Interpreting Educational Research TE 565 (part of core) ............. 1-3
Open Electives ................................................................................ 3-11

Total Credits 33

SPECIAL EDUCATION

For those Primarily Responsible for Elementary School Instruction

I. Special Education Emphasis for Mild-Moderate Handicapped Required Courses

1. Graduate Core ................................................................................. 9
2. Development of Skills for Teaching Pupils with Learning Difficulties ...................................................... 3
3. The Emotionally Disturbed Child in the Classroom TE 523 .......... 3
4. Practicum in Special Education TE 590 ......................................... 4

Electives selected from courses listed below.
Behavior Intervention Techniques TE 450G ...................................... 3
Instructional Materials for the Exceptional Child TE 440 ............. 3
Diagnosis of Reading Problems TE 502 ......................................... 3
Remediation of Reading Problems TE 503 ..................................... 3
Individual Tests & Measurements TE 505 ..................................... 3
Physical Education in Special Education PE 594 ......................... 2

II. Elective Options. Choose I or II below:

I. Thesis-Project Option
Fundamentals of Educ Rsch for Teachers TE 551 ....................... 3
Thesis-Project TE 591-593 ................................................................. 6
II. Comprehensive Written Exam Option
Fundamentals of Educ Rsch for Teachers TE 551 ....................... 3
Or
Interpreting Educational Research .................................................. 1
Electives ......................................................................................... 9

Total Credits 33

III. Special Education Emphasis for Severely Handicapped Required Courses

Graduate Core ................................................................................. 9
Behavior Intervention Techniques TE 450G ................................. 3
Development of Skills for Teaching Moderately or Severely Handicapped ...................................................... 3

Electives selected from courses listed below.
Behavior Intervention Techniques TE 450G ...................................... 3
Instructional Materials for the Exceptional Child TE 440 ............. 3
Diagnosis of Reading Problems TE 502 ......................................... 3
Remediation of Reading Problems TE 503 ..................................... 3
Individual Tests & Measurements TE 505 ..................................... 3
Physical Education in Special Education PE 594 ......................... 2

II. Elective Options. Choose I or II below:

I. Thesis-Project Option
Fundamentals of Educ Rsch for Teachers TE 551 ....................... 3
Thesis-Project TE 591-593 ................................................................. 6
II. Comprehensive Written Exam Option
Fundamentals of Educ Rsch for Teachers TE 551 ....................... 3
Or
Interpreting Educational Research .................................................. 1
Electives ......................................................................................... 9

Total Credits 33

TOTAL CREDITS .................................................................................. 22

128
COURSE OFFERINGS

GRADUATE COLLEGE

READING

For those Primarily Responsible for Secondary School Instruction

1. Graduate Core .............................................. 9
2. Diagnosis of Reading Problems TE 502 .................. 3
3. Remediation of Reading Problems TE 503 ................ 3
4. Seminar in Reading TE 504 ............................... 3
5. Relating Reading Processes to Sec School Subjects TE 507 .... 3
6. Teaching Reading in the Secondary Schools TE 508 ........ 3
7. Elective options (choose I or II below) ................. 9
   I. Thesis-Project Option
      Fundamentals of Edu Research for Teachers TE 551 3
      Thesis-Project TE 591-593 6
   II. Comprehensive Written Examination Option
      Fundamentals of Edu Research for Teachers TE 551 3
      Interpreting Educational Research (taken as part of 9 credit Core) TE 565 1
      Electives ........................................ 6 or 9

Total Credits: 34

COurse OfferingS

PE PHYSICAL EDUCATION

Graduate

PE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SU). Alternate year.

Programs and techniques for classroom and playground activities for physical education; curricular development will be presented. Emphasis upon corrective physical education procedures will be given.

PE 594 PHYSICAL EDUCATION IN SPECIAL EDUCATION (2-0-3)(SU). 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 motivating motor problems and plan the remedial needs for correction.

P PSYCHOLOGY

P 501 COUNSELING AND CONSULTING IN THE SPECIAL CLASSROOM(3-0-3)(SU). The practice of processes effective in bringing about change of inappropriate behaviors. Counseling and consultative processes fundamental in serving the several areas of the exceptional child are also practiced. Emphasis is on the psychological processes important to the child's development and consulting with others who need to understand the child. PREREQ: P 101.

P 502 ADVANCED EDUCATIONAL PSYCHOLOGY (3-0-3). 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. PREREQ: P 101 and P 325. Offered on demand.

P 503 INDIVIDUAL TESTING PRACTICUM (3-0-3)(S). Emphasis on administering and scoring intelligence tests and on test interpretation. PREREQ: M 115-116, P 305, P 421. PERMINST. Offered odd numbered years.

P 504 ANALYSIS OF THE INDIVIDUAL (3-0-3). 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. PREREQ: P 202. Offered on demand.

P 505 PERSONALITY DEVELOPMENT (3-0-3)(S). 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. PREREQ: P 101. Offered on demand.

TEACHER EDUCATION

TE 501 ADVANCED PRACTICES AND PRINCIPLES OF TEACHING READING (3-3). The total reading process is examined. Areas such as readiness, grouping, methodologies, new approaches, dictionary word attack, and comprehension skills are emphasized. Standardized and informal testing procedures are discussed.

TE 502 DIAGNOSIS OF READING PROBLEMS (3-0-3). 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. PREREQ: TE 501.

TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER)(3-0-3)(SU). Remediation approaches and techniques for disabled readers are emphasized. Training is fostered by tutoring a child under supervision in the Reading Center.

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(SU). 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 is developed. PREREQ: TE 503.

TE 505 INDIVIDUAL TESTS & MEASUREMENTS (3-0-3)(S). An intensive investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

TE 507 RELATING READING PROCESS TO SECONDARY SCHOOL SUBJECTS (3-0-3). This course is designed for secondary teachers in all academic areas who desire to develop efficient methods of utilizing instructional materials in their curriculum.

TE 508 TEACHING READING IN THE SECONDARY SCHOOL (3-0-3)(S). The course is designed for reading specialists in junior 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.
TE 510 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING SOCIAL SCIENCE (3-0-3)(F). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study organization, the program of materials and media, and research findings basic to social studies will be developed.

TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCHOOL MATHEMATICS (3-0-3)(F). Emphasizes creative methods and strategies for teaching elementary school mathematics. Emphasis also includes a review of current research, curriculum trends and exploration of exercises with unique materials for teaching mathematics.

TE 512 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(F). Emphasis will be given to the role of language arts and linguistics in the school curriculum, stressing modern approaches to language development, semantics, phonics, and orthography.

TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCIENCE (3-0-3)(F). Current practices and principles in modern elementary science concepts are developed. Emphasis is placed on the selection and organization of content and experimental activities.

TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED STUDENT (3-0-3)(F). An advanced course in developing skills and techniques in the educational planning and remediation of students with learning disabilities.

TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S). Teachers and others working with the instructional needs of gifted and talented students will develop skills in the techniques of meeting the educational goals of these exceptional individuals. Methods and materials for this approach will be evaluated as to applicability and assessment.

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY/SEVERELY HANDICAPPED (3-0-3)(S). The techniques and methods applicable for use by teachers of the moderately/severely handicapped. Current issues, philosophies, and research implications for teaching will be emphasized. PREREQ: TE 423, PERM/INST.

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S). Methods and techniques for encouraging creative writing in the elementary school.

TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S). Current literature for children, including emphasis upon poetry is presented. Issues in children's book selection are discussed.

TE 520 EDUCATIONAL MEDIA (3-0-3)(SU). This course will acquaint the elementary classroom teacher with the potential of educational media available for use. Evaluation of the materials in a media center will be studied. Emphasis will be placed on the use of a curriculum resource center in the local school system will be made every other year.

TE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SU). Methods and techniques for classroom and playground activities for physical education, curriculum development will be presented. Emphasis upon corrective physical education procedures will be given. Alternate years.

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(SU). Emphasis upon the individualized approach in instruction in reading. Emphasis will be given to current research, national reading, and instruction of various aspects of the reading process. Cooperative study and independent reading activities are explored.

TE 523 THE EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3). This course is designed to assist teachers, counselors, and administrators in understanding the emotional and psychological needs of the emotionally disturbed child. Emphasis is placed on developing skills in identifying emotional problems and planning the remedial steps needed for correction. PREREQ: PERM/INST.

TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S). A study of the development of children and adolescents in different cultures in comparative relationship to existing values. The lifestyle of various minority groups and implications for education will be examined. Major topics include culturally different learner: (1) learning styles, (2) media, (3) process of change, (4) individual minority groups will be emphasized. Emphasis will be placed on the creative use of the materials and media available for use. Evaluation of the materials in a media center will be studied. Emphasis will be placed on the use of a curriculum resource center in the local school system will be made every other year.

TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(F). The course provides an analysis of the relationship between national goals and the educational system in the twentieth century. Contemporary systems will be studied in light of three major factors: (1) religious factors; (2) economic factors; (3) political factors. Current issues, philosophies, and research implications for teaching will be emphasized. PREREQ: PERM/INST.

TE 545 CREATIVITY IN EARLY CHILDHOOD EDUCATION (1-0-1)(SU). A course for early childhood teachers seeking to explore factors associated with creativity, including objectives, social problems, unit development, work-study organization, the program of materials and media, and research findings basic to social studies will be developed.

TE 546 DIAGNOSIS AND EVALUATION IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). Current issues, philosophies, and research implications for teaching will be emphasized. PREREQ: PERM/INST.

TE 547 LANGUAGE ACQUISITION AND DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). To acquaint the student with the various stages of the process of acquiring spoken and written language. Emphasis will be placed on the process of acquiring language and the local influences relevant to program design, facilities, staff and administration of early childhood programs. The student will design materials and methods to help the child increase his knowledge of things in his world. Even numbered years.

TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH FOR TEACHERS (3-0-3)(F). The planning of educational research with emphasis on the nature of scientific inquiry, formulating research and evaluation plans, and critiquing published research.
AR 501 ART APPRECIATION IN THE EDUCATIONAL PROGRAM (3-0-3)(F). Emphasis will be presented on the secondary school level. PREREQ: Graduate status or PERM/INST. Emphasis will be on understanding the motivations behind interpretation of ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. PREREQ: Graduate status or PERM/INST. Emphasis will be on understanding the motivations behind interpretation of ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. PREREQ: Graduate status or PERM/INST.

AR 551 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)(F). 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. PREREQ: Graduate status and Curriculum Planning.

AR 580-589 SERIES SELECTED TOPICS (3-0-3). An opportunity for the student to work independently with a particular teacher in a specific area or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

AR 580 SELECTED TOPICS - DRAWING
AR 581 SELECTED TOPICS - PAINTING
AR 582 SELECTED TOPICS - CRAFTS
AR 583 SELECTED TOPICS - SCULPTURE
AR 584 SELECTED TOPICS - PHOTOGRAPHY
AR 585 SELECTED TOPICS - CERAMICS
AR 586 SELECTED TOPICS - PRINTMAKING
AR 587 SELECTED TOPICS - DESIGNING
AR 588 SELECTED TOPICS - ILLUSTRATION
AR 589 SELECTED TOPICS - ART HISTORY
AR 591 PROJECT (6 credits). See below.

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

1. A scholarly paper embodying results of original research which are used to substantiate a specific view.
2. Three written reports directed toward the student's particular area of study.
3. A curricular proposal in written form which can be considered for implementation in the schools.
4. A one-person art show with a faculty review.
5. A submitted portfolio of work with a final faculty review.

PREREQ: Graduate status.

AR 596 SEMINAR IN ART (2-3-4)(S). Offered on demand.

COURSE OFFERINGS

GRADUATE COLLEGE

MASTER OF ARTS IN EDUCATION

Business Education Emphasis

Admissions and Program

1. 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 requirements for the degree.

Before Advancement to Candidacy can be granted, the student must:

a. ordinarily show eligibility for certification by the State of Idaho (or any other state), and
b. have completed the following prerequisite courses or their equivalents:

- Principles of Accounting .................................................. 6
- Principles of Economics .................................................. 6
- Business Law ................................................................. 3
- Data Processing ............................................................. 3
- Marketing ........................................................................ 3

2. Program Requirements: A maximum of 14 credit hours may be taken from the College of Business courses (excluding BE courses).

a. Graduate Core Courses (see page 134 for Core requirements) 6
b. Business Courses ........................................................... 12 credits chosen from

1) Business Education:

BE 511 Graduate Study in Business Education (required) ........ 3
BE 520 Curr and Instr in SHHn, Transcrpt & Off Proc ............. 3
BE 530 Curr and Instr in Typewrtg, Bkpg-Acct & DP .............. 3
BE 540 Curr and Instr in Basic Business and Economics ......... 3
BE 571 Organization and supervision of Business Education ... 3
BE 596 Directed Research ................................................... variable credit

BE 599 Workshop in Business Education ................................ 1-3
AS 501 Office Systems and Procedures ................................. 3
BE 441G Principles and Organization of Voc Ed Programs ....... 3
BE 443G Admin and Coord of Cooperative Programs ............. 3
BE 597 Special Topics ......................................................... 3

2) Business Administration:

Minimum of 6 credits Chosen from MBA courses and/or "G" courses offered by Departments of Accounting, Economics, Information and Decision Sciences and Finance, Management, Marketing and Administrative Services, and Mathematics.

c. Free Electives 9

d. Option of:

Thesis—BE 593 Project—BE 591 Additional coursework 3-6

3. Any approved 400-level "G" courses limited to 6 credits.

COURSE OFFERINGS:

1. Required Courses:

C 501 HISTORY OF CHEMISTRY (3-0-3). 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 relationships between chemistry and the general course of history. PREREQ: Two years of college chemistry and one year of history or PERM/INST. Offered on demand.

C 503 SPECTROSCOPY (3-0-3). Concepts and practical usage of ultraviolet, infrared, nuclear magnetic, and mass spectroscopy. Emphasis will be placed on the use of instruments and interpretation of spectra. Prior knowledge of spectroscopy not required. PREREQ: Eight hours of general chemistry and six hours of organic chemistry. Offered on demand.

C 509 CHEMISTRY OF LIFE PROCESSES (3-0-3). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstration material will be correlated with lecture material. PREREQ: One year of general chemistry and organic chemistry. Offered on demand.

C 511 ADVANCED ANALYTICAL CHEMISTRY (3-0-3). 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. PREREQ: Quantitative Analytical Chemistry of PERM/INST. Offered on demand.

C 515 NUCLEAR AND RADIOCHEMISTRY (3-0-3). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, interaction of radiation with matter, detection chemistry. Offered on demand.
GRADUATE COLLEGE

a. TE 570 Graduate Core Courses .................................................. 6
b. Graduate Study in Business Education ........................................... 3
c. 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 Chairperson.

0. Elective Courses:

Additional courses as selected by the student and his graduate committee to meet program requirements.

ADDITIONAL INFORMATION

1. 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.

2. While any Master of Business Administration course may be used in the requirement outline in 2.b.2., above, the following are considered to be courses most likely to be chosen:

GB 510 Business and its Environment
AS 512 Business Research and Communications
MK 520 Marketing Problems
AC 532 Accounting-planning and Control
MG 541 Human Resources Management
EC 560 Economics of Public Policy

For additional details contact Department Chairperson, Department of Marketing and Administrative Services, (208) 385-3451.

COURSE OFFERINGS

BE BUSINESS EDUCATION

Graduate

BE 511 GRADUATE STUDY IN BUSINESS EDUCATION (3-0-3). Study of professional business education including history, philosophy, psychology, and issues and trends. Each area is considered in relation to business education in the public schools. PREREQ: Graduate status and PERMIINST.

BE 520 CURRICULUM AND INSTRUCTION IN SHORTHAND, TRANSCRIPTION, AND OFFICE PROCEDURES (3-0-3). 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. PREREQ: PERMIINST.

BE 530 CURRICULUM AND INSTRUCTION IN TYPEWRITING, BOOKKEEPING, ACCOUNTING AND DATA PROCESSING (3-0-3). 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. PREREQ: PERMIINST.

BE 540 CURRICULUM AND INSTRUCTION IN BASIC BUSINESS AND ECONOMICS (3-0-3). A study of various techniques available for the improvement of instruction in 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. PREREQ: PERMIINST.

BE 571 ORGANIZATION AND SUPERVISION OF BUSINESS EDUCATION (3-0-3). 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. PREREQ: PERMIINST.

BE 591 PROJECTS (3-6 credits).

BE 593 THESIS (3-0-3). The scholarly pursuit of original work through research. PREREQ: Admission to candidacy.

BE 596 DIRECTED RESEARCH (variable credits). Opportunity for the student to pursue a topic of interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Business Education and/or PERMIINST.

BE 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.

OA 501 OFFICE SYSTEMS AND PROCEDURES (3-0-3). A study of advanced systems and procedures currently in use in business offices. Includes: 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.

MASTER OF SCIENCE IN EDUCATION

EARTH SCIENCE EMPHASIS

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

Required courses include TE 570, TE 563, GO 598 and a final thesis, project, or additional courses as determined by the committee. All other courses to be taken in the degree program are planned by the student and his graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

COURSE OFFERINGS

GO GEOLOGY COURSES

Graduate

GO 511 ENVIRONMENTAL GEOLOGY (3-0-3). Field study of general geology. Includes a study of surficial materials and water resources. Topography, surficial deposits and their engineering and hydrologic properties, ground and surface water, waste disposal. Term report required. Field trips, crystalization of magmas, ore-forming solutions, isotope geochemistry. The course provides knowledge, skills and material resources that can increase the students capability to teach earth science in elementary and secondary schools. PREREQ: Graduate status or PERMIINST.

GO 521 ADVANCED TOPICS IN EARTH SCIENCE (3-0-3 to 5). Study of an advanced topic in geology. Each topic is presented in terms of its structural and geologic history and physical evolution. Each topic is chosen in terms of its structural and geologic history and physical evolution. Each topic is chosen in consultation with the student and his graduate committee. A final comprehensive oral and written examination required. PREREQ: Graduate status of GO 511.

GO 541 METHODS AND TECHNIQUES OF GROUND MEASURING, MEASURING AND TESTING GEOLOGIC DATA (3-0-3 to 3). A study of a technique of measuring earth materials and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. PREREQ: PERMIINST.

GO 551 CURRENT TOPICS IN GEOLOGY (3-0-3 to 3). An investigation of current research, debates and developments regarding practical, as well as theoretical, issues in Geologic Science. PREREQ: Graduate status or PERMIINST.

GO 561 EARTH SCIENCE TEACHING TECHNIQUES (3-0-3 to 4). An introduction to the objective of teaching, methods, and materials of instruction in Earth Sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. The course provides the student with the necessary experience in the laboratory and lecture classroom. PREREQ: Graduate status or PERMIINST.


GO 591 PROJECT (3-4-6). Field, laboratory or library investigation. The student will select a project according to his interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Earth Science and/or PERMIINST.

GO 593 THESIS (0-3 to 0-5). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretation of existing data collected by library research. A final report suitable for presentation at a meeting of Earth Science professionals is required. PREREQ: Graduate status and approval of the Committee Chairperson.

GO 596 DIRECTED RESEARCH (1-0 to 4). Field, laboratory or library research project. Students may work on an individual problem or select a problem from a list provided by the instructor. Weekly progress meetings, final report. PREREQ: Physical Geography or Fundamentals of Geology and/or PERMIINST.

GO 598 GRADE 12 SEMINAR (0-1 to 3). The preparation and presentation of oral and written reports on topics in earth science and/or science education. Presentation of oral reports may take the form of a debate. Preparation of visual aids and graphic illustrations will be emphasized. PREREQ: Admission to candidacy or PERMIINST.

GS GENERAL SCIENCE

GS 501 HISTORY OF SCIENCE (3-0-3 to 3). This is a survey of humanity's efforts to understand the natural world. "Ancient origins" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS credit, but not for both.

MASTER OF ARTS IN 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 advised 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 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, or 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 595: 3-6
- Graduate English electives (except E 501): 12
- Graduate Core (TE 570): 6
- General Graduate electives (may include E 501): 9

Total 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
- Graduate Core (TE 570): 6
- General graduate electives (may include E 501): 9
- Examination on English coursework: 3

Total 33

The introductory Seminar (E 500) is prerequisite to other 500 level seminars. However, with the consent of the student's committee, the student may concurrently take another seminar. With the exception of E 501 and E 597, all seminars will be in specified areas of American and British literature and linguistics, though they may cover influence from other literatures.

A maximum of 6 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 501, 520, 530, 540, 550, 560, 570 and 497 may vary from term to term, a student may repeat any of these courses for credit but may not count more than 6 hours toward his English core.

**COURSE OFFERINGS**

**E ENGLISH COURSES**

**Graduate**

E 487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F/S). A study of the radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. PREREQ: Three credits literature of PERM/CHMN.

E 488G METHODS AND THEORIES OF LITERARY CRITICISM (3-0-3)(S). A detailed study and application of major critical methods and theories. PREREQ: E 593 or PERM/CHMN.

E 500 INTRODUCTORY SEMINAR (3-0-3)(F/S). An introduction to bibliography and orientation to sources of information. Students research a concept or problem in literature or writing under supervision. PREREQ: Admission to graduate program or PERM/CHMN.

E 501 THE TEACHING OF WRITING (3-0-3)(F/S). Theories and methods of teaching writing for experienced teachers. Special emphasis on new discoveries about the learning process in writing courses and in the teacher's role in helping individual students. PREREQ: E 301, E 500, and teaching experience or PERM/CHMN.

E 505 LINGUISTICS (3-0-3)(F/S). Modern linguistic theories and their application to literature and teaching English. An examination of how various grammatical models represent the complexities of language sound, sequence, and structure. Application of theory to language at work. PREREQ: E 500 and LI 305 or equivalent or PERM/CHMN.

E 510 MAJOR AUTHOR (3-0-3)(F/S). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his influences on others. Aspects of investigation to include the life of the author and his relation to his work, the society and culture of the times, his place and stature in the genres in which he worked, his use or disregard of tradition, as well as an investigation of contemporary critical and critical evaluation since his time. PREREQ: E 500 or PERM/CHMN.

E 520 GENRE (3-0-3)(F/S). A study of a well-defined literary category, such as novel, short story epic or tragedy. Examination of representative works in order to discover the evolution of a specific literary genre while at the same time establishing its typical features. PREREQ: E 500 or PERM/CHMN.

E 530 PERIODIC (3-0-3)(F/S). A study of a selected chronological period of American or British literature with an emphasis on major author's works. PREREQ: E 500 or PERM/CHMN.

E 540 MYTH IN LITERATURE (3/0-3/0). An exploration of the use of myth in literature as a source of content and structure. The nature and working of myth and the way it enters conscious creation of art. Themes such as the quest, the initiation, the Archetypal myth in American literature of myths in the works of major authors may be explored. PREREQ: E 500 or PERM/CHMN.

E 550 LITERATURE AND CULTURE (3-0-3)(F/S). The interaction between a body of literature and the social economic and political forces that characterize the culture in which it originated. The influence of culture on literary form and content. PREREQ: E 500 or PERM/CHMN.

E 560 FOLKLORE (3-0-3)(F/S). Materials selected from oral tradition and culture with attention to aspects of collecting, classifying, comparing analyzing and archiving. Theories of folklore composition transmission, and function will be related to the occurrence of folklore. PREREQ: E 500 or PERM/CHMN.

E 570 LITERARY MOVEMENTS (3-0-3)(F/S). 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 in writers past and present. PREREQ: E 500 or PERM/CHMN.

E 581 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F). A literary content course for prospective teachers of secondary school English. Primary emphasis on critical reading of literature for adolescents in secondary school. Secondary emphasis on methods of analysis appropriate to students. All genres as well as classic and popular authors. PREREQ: E 102, two literature courses or PERM/CHMN.

E 593 THESIS (V-O-V). A scholarly paper containing the results of original research. PREREQ: Admission to candidacy and approval of the student's graduate committee.

E 595 HEADING AND CONFERENCE (V-O-V). A project may include, but is not limited to, a library research paper or experimental research on some aspect of pedagogy or preparation of written curriculum with teaching materials. PREREQ: Admission to candidacy and approval of the student's graduate committee.

**MASTER OF ARTS IN EDUCATION**

**HISTORY EMPHASIS**

**ADMISSIONS**

See specific information, page 134.

**PROGRAM REQUIREMENTS**

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

1. **33 hours with thesis**
   - Education Core: 6
   - History Emphasis: 12
   - Free Electives: 9
   - Thesis (defended orally): 6

2. **33 hour with project**
   - Education Core: 6
   - History Emphasis: 15
   - Free Electives: 9
   - Project: 3
   - Written or oral examination covering aspects of project and coursework taken in the History Department toward the degree: 6

3. **36 hour**
   - Education Core: 6
   - History Emphasis: 18
   - Written examination covering course work taken in the History Department toward the degree: 6

**COURSE OFFERINGS**

**HY HISTORY COURSES**

**Graduate**

HY 423G EUROPEAN DIPLOMATIC HISTORY 1871-PRESENT (3-0-3)(F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions and intellectual developments. HY 151, 152 recommended.

HY 500 HISTORIANS AND HISTORICAL INTERPRETATION (3-0-3). A study of major histo-
rians and schools of historical interpretation from Ancient Greece to the twentieth century. Dis-
cussion concentrates in written history and the problems of interpretation. Oral and written
participation is required. A major paper is required. PREREQ: admission to graduate program or
PERM/CHMN.

HY 501 HISTORY OF SCIENCE (3-0-3). A survey of man's efforts to understand the natural
world from the ancient world to the present including pre-scientific assumptions, the evolution
of science since the 18th century, and the development of modern scientific thought. May be
taken for either HY or GS credit, but not both.

HY 502 TEACHING HISTORY IN SECONDARY SCHOOLS (3-0-3). An inquiry into the philoso-
phy of history, a consideration of the relationship to other social studies and other fields of
knowledge, and a survey of various techniques available to teachers of history at the secondary
school level. PREREQ: Admission to the graduate program or PERM/CHMN.

HY 510 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought beginning
with the Ancient Near East and the Renaissance and Reform. A study of intellectual and cultural
trends reflected in Western religious and philosophical literature. PREREQ: Admission to the
graduate program of PERM/CHMN

HY 511 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought of from 1500
to the present. A study of intellectual and cultural trends reflected in Western religious and
philosophical literature. PREREQ: Admission to the graduate program or PERM/CHMN.

HY 520 SOURCE OF AMERICAN VALUES (3-0-3). The origins of American thought and cul-
ture, the Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and an
exploration of American values on the eve of the Civil War. Laissez-faire capitalism thereafter
and the reaction to industrialism. PREREQ: Admission to graduate program or PERM/CHMN.

HY 580 GRADUATE SEMINAR IN U.S. HISTORY (3-0-3). A study of the principal themes or
problems within well-defined periods of particular fields of U.S. History. Emphasis will be placed
in reading, discussion, writing and research. Reports and discussion on various aspects of the
controlling subject will be performed by the students with the assistance of the instructor.
PREREQ: Admission to the graduate program or PERM/CHMN

HY 581 GRADUATE SEMINAR IN EUROPEAN HISTORY (3-0-3) Critical analysis of source
materials and historical literature on a topic of restricted scope in European history. PREREQ:
Admission to graduate program or PERM/CHMN.

HY 582 GRADUATE SEMINAR IN THIRD WORLD HISTORY (3-0-3). Critical analysis of source
materials and historical literature on a topic of restricted scope in Third World History. Primary
emphasis will be placed on reading, discussing, writing, and research. Reports and discussion
on various aspects of the controlling subject will be performed by the students with the assis-
tance of the instructor. PREREQ: Admission to graduate program or PERM/CHMN.

HY 591 PROJECT (3 credits).

HY 592 HISTORY COLLOQUIUM (3 credits).

HY 599 RESEARCH AND THESIS (6 credits).

HY 698 HISTORY SEMINAR (2 credits).

MASTER OF SCIENCE IN EDUCATION

Mathematics Emphasis

1. The Master of Science in Education with a Mathematics emphasis may be obtained through any of the following three options.

   a. The 30-hour “examination option”
      - Graduate Core ................................................. 6
      - Mathematics Sequence and Seminar .................. 9
      - One mathematics course exclusive of M 503, M 541, M 561, M 591 .. 6
      - Electives ......................................................... 6
      - A written examination over mathematics coursework
        An oral examination over all coursework included in the stu-
        dent’s program

   b. The 33-hour “project option”
      - Graduate Core ................................................. 6
      - Mathematics Sequence, math Seminar and M 591 ...... 12
      - Mathematics electives ....................................... 6
      - Electives ......................................................... 6
      - A written examination over mathematics coursework

   c. The 33-hour “thesis option” is the same as the “project option” except that M 591 is replaced with M 593

2. Mathematics Requirements

   a. Required Courses
      M 501, 502 Real Analysis I, II or M 541 ........................ 6
      M 542 Modern Algebra ........................................... 6
      M 598 Seminar in Mathematics ................................ 3

   b. Elective courses - Additional courses planned by the student and
      his/her graduate committee to meet program requirements

3. Additional Information

   a. 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 empha-
      sis in Mathematics.

   b. 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.

   c. Students considering this program should consult with the Chair-
      man of the Mathematics Department. Enrollment in graduate
      coursework has been such that completion dates for this program
      cannot be guaranteed.

**COURSE OFFERINGS**

**M MATHEMATICS COURSES**

- **Graduate**

  M 406G THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3-0-3)(F).
  Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapp-
  ing. PREREQ: M 206 or 212

  Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, es-
  timation and testing of hypotheses. PREREQ: M 206 or 212

  M 455G LINEAR PROGRAMMING (4-0-4)(S).
  Simplex algorithm, duality theory, optimality properties, and transportation problems. PREREQ: M 301. Odd numbered
  years.

  M 501-501 REAL ANALYSIS I, II (3-0-3).
  The real number system. Set and metric spaces. Sequences and series. Continuity of real functions. Differentiation.
  The Riemann-Stieltjes integral. Sequences and series of functions. PREREQ: M 314 or PERM/CHMN.

  M 503 THE TEACHING OF ALGEBRA (3-0-3).
  Contemporary approaches to teaching secondary
  school algebra; treatment of selected topics in modern algebra; methods and materials; research relevant to the teaching of
  algebra. PREREQ: M 302

  M 504 THE TEACHING OF GEOMETRY (3-0-3).
  Contemporary approaches to teaching sec-
  ondary school geometry; treatment of selected topics in geometry; methods and materials; research relevant to the teaching
  of geometry. PREREQ: M 304 or PERM/CHMN.

  M 505 FOUNDATIONS OF MATHEMATICS (3-0-3).
  The axiomatic method and its role in mod-
  ern mathematics. The role of the theories of sets and groups in the development of mathe-
  matics. Modern philosophies of mathematics. PREREQ: M 302 or PERM/INST.

  M 511 GENERAL TOPOLOGY (3-0-3).
  Separation axioms, topologies, connectedness,
  compactness, generalized convergence, continuity, product spaces. PREREQ: M 401 or M
  501 or PERM/INST.

  M 541-542 ABSTRACT ALGEBRA I, II (3-0-3).
  Mappings, the integers, groups, sub-groups, morphisms, rings, integral domains, polynomial rings, fields, field extensions. PREREQ: M 302 or PERM/CHMN.

  M 547 HISTORY OF MATHEMATICS (3-0-3).
  The course is designed for mathematics teachers
  in the secondary schools. The course consists of two parts: the first part traces the develop-
  ment 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. PREREQ: M 541

  M 561 MATHEMATICS FOR OPERATIONS RESEARCH (4-0-4)(F/S).
  The mathematics tech-
  niques will be applied to several variables. Linear systems, matrices, linear programming with the simplex method, differential and integral calculus with emphasis on
  applications in management decision situations. PREREQ: PERM/INST.

  M 564 MATHEMATICAL MODELING (3-0-3)(SU).
  Introduction to mathematical modeling though case studies. Deterministic and probabilistic models; optimization. Examples
  will be drawn from the physical, biological, and social sciences. A modeling project will be required.
  PREREQ: M 361 and M 122 or PERM/INST.

  M 571 MATHEMATICAL CURRICULUM 7-12 (3-0-3). The history of the 7-12 mathematics cur-
  riculum, content, special problems, and trends in mathematics programs, organization of the
  curriculum. Study of reports and recommendations; curriculum development projects. PRE-
  REQ: At least one year’s experience teaching in secondary school mathematics.

  M 589 PROJECT (May be taken for 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.
  The student must be admitted to candidacy.

  M 593 THESIS (May be taken for 3 to 6 credits).
  Original mathematical research or a new inter-
  pretation of existing mathematical research. Course is arranged with supervising faculty member. PREREQ: Admission to
  candidacy.

  M 598 SEMINAR IN MATHEMATICS (3-0-3).
  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.

**MASTER OF ARTS IN EDUCATION**

Music Emphasis

1. The Master’s Degree in 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.

2. 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
students strengths and weaknesses so that the student and his com-
mittee will be able to set up a program according to the student’s needs.
The examinations will be in the areas of music theory, music
COURSE OFFERINGS

1. Required Courses
   a. A library research paper which fits the needs of the student.
   b. A curriculum proposal in written form which could be considered for implementation in the schools.
   c. A lecture-recital with a written paper discussing the aspects of the music which is performed, stylistic considerations, etc.

   OR

   Additional coursework which includes a written examination of 5 questions chosen by the student's committee chairman from a list of 20 submitted by the student.

   OR

   MU 593 Thesis

2. Elective courses: additional courses as planned by the student and his graduate committee.

3. Total hours: 30-33

COURSE OFFERINGS

MC MUSIC PRIVATE LESSONS PERFORMANCE STUDIES

Graduate

- Students will be assigned on the basis of an audition. Performance, Technical Study, Musical Interpretation, Literature, and Teaching Technique will be stressed.

- All 500 level MC courses are repeatable for credit to a maximum of 6 credits. See undergraduate Private Lesson Performance Studies course numbering system for explanation of course numbers.

- MC 501 (0-5-1), 502 (0-5-2) Woodwind instruments private lessons.
- MC 511 (0-5-1), 512 (0-5-2) Brass instruments private lessons.
- MC 521 (0-5-1), 522 (0-5-2) Percussion instruments private lessons.
- MC 531 (0-5-1), 532 (0-5-2) Voice private lessons.
- MC 541 (0-5-1), 542 (0-5-2) Keyboard instruments private lessons.
- MC 551 (0-5-1), 552 (0-5-2) Fretted string instruments private lessons.
- MC 561 (0-5-1), 562 (0-5-2) Bowed string instruments private lessons.

ME MUSIC ENSEMBLE

ME 510 CHORAL ENSEMBLE (0-2-1)(F/S). A general chorus open to all interested students. The format of the classes will be related to the size of the enrollment, i.e., choir, chamber ensemble or collegium musicum.

ME 515 OPERA THEATER (0-5-1). Advanced study/experience in singing-acting technique and movement through performing in productions from the opera and/or musical theater repertoire. May be repeated for up to 4 credits maximum. PREREQ: PERM/INST.

ME 520 INSTRUMENTAL ENSEMBLE (0-1-1)(F/S). A performing group or groups will be formed, depending on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Emphasis will be placed on techniques of ensemble playing, instrumentation, phrasing, articulation and proper performance practice of ensemble literature.

MU MUSIC, GENERAL

MU 501 HISTORY OF MUSIC IN THE UNITED STATES (3-0-3)(F/S). Designed for either the non-specialist or specialist in music, this course will survey the role which music has played in the development of American culture. Among the topics covered will be early New England music, music of the Blacks, Indians, and other ethnic groups. Social and historical interrelationships with music will be examined and discussed.

MU 503 INTRODUCTION TO RESEARCH MATERIALS IN MUSIC EDUCATION (3-0-3)(F/S). Designed for the secondary school music specialist, this course will provide an introduction to the basic research literature within music education, interpretation of research findings, basic research teaching, problems in research, and a review of literature pertinent to students' major area of interest will be included.

MU 505 SEMINAR IN CHORAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3)(F/S). An historical, generic survey of the repertoire in choral literature. Emphasis will be placed on facets of interpretation through a study of representative compositions from the standpoint of performance practice, analytic techniques, and the reading of primary sources of pertinent information.

MU 506 SEMINAR IN INSTRUMENTAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3)(F/S). Analysis and study of works from the Baroque through the present era. Particular attention will be paid to performance practices of ornamentation, style, tempo, scoring, dynamics, etc. Band transcriptions also included.

MU 511 20TH CENTURY MUSICAL STUDIES (3-0-3)(F/S). A study of 20th century compositional techniques and performance practices through analysis, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multi- media, will be explored and their application to the secondary school music classroom will be discussed.

MU 561 ADVANCED CONDUCTING (3-0-3)(F/S). Designed for secondary music teachers, this course provides opportunity to discover and analyze technical conducting problems, both instrumental and choral, in music of various historical eras, which forms a significant part of the secondary school repertoire.

MU 570 NEW DEVELOPMENTS IN MUSIC EDUCATION (3-0-3)(F/S). Designed to acquaint the music specialist with recent ideas in music education, including major trends in curriculum, new methodology, music in integrated courses, and reports of major conferences and symposia.

MU 571 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING MUSIC IN THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with old and new approaches to teaching music in the classroom, teaching materials, current research on problem singers, creative musical activities, and the development of music reading skills. PREREQ: MU 371 or PERM/INST.

MU 572 LISTENING AND SINGING EXPERIENCES FOR THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with the study of singing and listening materials relevant to classroom music. K-6. Sequential curriculum plans will be developed for singing and listening experiences. PREREQ: MU 371 or PERM/INST.

MU 573 ADVANCED METHODS AND TECHNIQUES FOR THE INSTRUMENTAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, organization and repertoire planning.

MU 575 ADMINISTRATION OF SCHOOL MUSIC (3-0-3)(F/S). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel and philosophy.

MU 591 CULMINATING PROJECT (3-0-3). Details for the culminating project can be found in requirements for masters degree in secondary education, music emphasis.

MU 593 THESIS (0-0-6). A scholarly paper embodying results or original research which are used to substantiate a specific view.
Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:
1. To become employed, to succeed, and to progress in a Vocational Technical field.
2. To meet the present and anticipated needs of the local, state and national economy for employees with a Vocational Technical education.
3. 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 business and industry.

Admissions Requirements

Students who plan to enter the School of Vocational Technical Education, Boise State University, must complete the following:
1. B.S.U. Admissions Requirements
2. Boise State University application—Admissions Office ($10.00 matriculation fee required.)
3. Personal interview with a School of Vocational Technical Education counselor.
4. $75.00 registration advance security deposit to the School of Vocational Technical Education. This is applied to your fees upon registration and is refundable only with justifiable cause. The deadline to apply for the refund is two weeks before classes begin.

There are a limited number of students that can be accepted in all programs so all admission requirements should be completed early.

When steps 1-3 have been completed and you have been accepted by one of the Vocational Technical counselors, you are eligible to pay the $75.00 advance deposit. You are not in a program until steps 1 through 4 are completed.

High school graduation or a GED is required. All non-high school graduates must be out of high school one complete semester.
DENTAL ASSISTING 9-Month Program

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State University works with the Dental Advisory Board in planning and promoting the program and curriculum. Changes and a made at any time to take advantage of advances in the Dental profession. Entrance requirements: High School Diploma or Equivalency Certificate, personal interview and aptitude testing. Typing is a prerequisite. The dental assistant courses are taught by dental assistant instructors and guest dental lecturers.

The program in Dental Assisting is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. Students are eligible to take the Certification Examination upon completion of this course.

SUBJECTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Laboratory DA 101-102</td>
<td>4</td>
<td>2</td>
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<tr>
<td>Dental Radiology DA 104</td>
<td>-4</td>
<td>-4</td>
</tr>
<tr>
<td>Dental Assisting Clinical Experience DA 106</td>
<td>-4</td>
<td>-4</td>
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<tr>
<td>Dental Office Management</td>
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<td>-6</td>
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<tr>
<td>Public Health and Dental Hygiene DA 109</td>
<td>-2</td>
<td>-2</td>
</tr>
<tr>
<td>Communication Skills DA 111-112</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dental Theory DA 151-152 All</td>
<td>2</td>
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<tr>
<td>Occupational Relationships DA 282</td>
<td>3</td>
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<tr>
<td>Fundamentals of Speech CM 111</td>
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<tr>
<td>First Aid PE 105</td>
<td>24</td>
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</table>

COURSE OFFERINGS

DA DENTAL ASSISTING

DA 101-102 DENTAL LABORATORY (2-10-4)(F). Provides practical laboratory experience in handling dental materials and instruments.

DA 104 DENTAL RADIOLOGY (3-4-0)(F). Provides dental assisting students the opportunity to become skilled in dental x-ray procedures with a heavy emphasis on safety.

DA 106 DENTAL ASSISTING CLINICAL EXPERIENCE (0-16-4)(S). Supervised chairside assisting experience in private dental offices and clinics.

DA 108 DENTAL OFFICE MANAGEMENT (2-9-2). Covers the fundamentals of business practices related to dentistry.

DA 109 PUBLIC HEALTH AND DENTAL HYGIENE (2-0-2). The class work deals with preventive dentistry and patient education.

DA 111, 112 COMMUNICATION SKILLS (3-0-3)(F/S). Enables the students to use our language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of preparation.

DA 151-152 (6-0-6)(F), (6-0-6)(S). Lectures cover the basic dental sciences and dental specialties.

DA 282 OCCUPATIONAL RELATIONS (2-0-2). The course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining, and advancing in employment. One Semester course.

SURGICAL TECHNOLOGY 9-Month Program

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
</tr>
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<tbody>
<tr>
<td>ST 100 Introduction &amp; Basic Sciences</td>
<td>3</td>
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<tr>
<td>ST 101 Operating Room Techniques</td>
<td>4</td>
<td>-</td>
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<tr>
<td>ST 102 Sterilization &amp; Disinfection</td>
<td>1</td>
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<tr>
<td>ST 110 Care of Surgical Patient</td>
<td>4</td>
<td>-</td>
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<tr>
<td>ST 111 Surgical Procedures</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>ST 131 Clinical Price</td>
<td>3</td>
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<tr>
<td>ST 132 Advanced Clinical Practice</td>
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<tr>
<td>PE 297 First Aid (Multimedia)</td>
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<tr>
<td>Z 111 Anatomy and Physiology</td>
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<tr>
<td>Z 112 Anatomy and Physiology</td>
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</tbody>
</table>

The Surgical Technology Program is a competency based curriculum containing modules developed for individual student progress. Each of the classes (see above) contains modules complete with reading assignments, laboratory practice assignments and a written test to let the student know when mastery of the module has been accomplished. All modules must be successfully completed to qualify for a Certificate of Completion.

The student is required to be concurrently enrolled in Human Anatomy and Physiology Z 111, Z 112, and First Aid Core Block I, or have recently completed those classes successfully (C or better.)

Enrollment is limited due to clinical facilities available and applicant must participate in a selection process prior to enrollment.

Admission

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-3)(F). Includes modules: (1) The Health Care System and Its Language; (2) The Evolution of Aesthetics; (3) Ethical Moral and Legal responsibilities; (4) The Operating Room Suite; (5) Principles of Aesthetics; (6) Introduction to Pharmacology; (7) Introduction to Oncology; (8) Introduction to Treatment of Fractures; (9) Diagnostic Procedures.

ST 101 OPERATING ROOM TECHNIQUES (3-3-4)(F). Includes modules: (1) Safety and Economy in the Operating Room; (2) Duties of the Scrub and Circulating Technician; (3) The Surgical Hand Scrub, Gowning and Gagging; (4) Draping Techniques; (5) Sutures and Needles; (6) Sterilization, Dressings, Drains, Care of Specimens; (7) Instruments and Special Equipment.

ST 102 STERILIZATION AND DISINFECTION (1-1-3)(F). Includes modules: (1) Introduction to Microbiology - The Microbe; (2) Introduction to Microbiology - The Body's Defense; (3) Injuries; (4) Wound Healing and Hemostasis; (4) Infection - The Process, Prevention and Control; (5) Sterilization and Disinfection Methods.


ST 111 SURGICAL PROCEDURES (4-7-6)(F/S). *Proposed to change Credits to 7 to 114 Sen-

Classwork includes instruction in anatomy, physiology and surgical specialities related to dentistry.

ST SURGICAL TECHNOLOGY

ST 132 ADVANCED CLINICAL PRACTICE (4-6-6)(S). Includes advanced experience in surgery, surgical, and circulating. PÆRECG ST 131.

The program has been accredited by the Joint Review on Education for the Surgical Technician, sponsored by the American Medical Association Council on Allied Health Education.

PRACTICAL NURSING 11-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 11 months in length and consists of hospital and long term care 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. The program is approved by the Idaho Board of Nursing.

Classroom work includes instruction in the needs of individuals in health and in sickness, with emphasis on the practical nurses' part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, the care of sick children, new mothers and infants, rehabilitation and remobilization techniques in the care of the aged and long-term patient. Failure to meet requirements in either theory or clinical areas may result in termination from the program.

Admission

ST SURGICAL TECHNOLOGY

Enrollment requirements: high school graduate or pass the General Educational Development Test. Satisfactory scores on the pre-entrance test, which is given by Boise State University. A complete medical examination is required. The applicant will be interviewed by a committee. Twenty-four students will be selected for the September and January programs and ten students selected for the Nampa program.

The courses will be offered at various times during the eleven months depending upon the admission date and the availability of clinical experiences. This curriculum meets the requirements for hours and content for the Idaho State Board of Nursing.

A student must complete the requirements for graduation from the program.

SUBJECTS

<table>
<thead>
<tr>
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<tr>
<td>Professional Concepts PN 101</td>
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<td>Anatomy and Physiology for Practical Nursing PN 102</td>
<td>4</td>
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<tr>
<td>Medical-Surgical Nursing PN 104</td>
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<tr>
<td>Nutrition and Diet Therapy PN 105</td>
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</table>
VOCATIONAL-TECHNICAL SCHOOL

DEPARTMENT OF HEAVY TECHNOLOGIES

Department Head: Gary Arambbarri; Air Conditioning: Tucker; Mechanical Plant Maintenance: Allen; Machine Shop: Glassen, Wertman; Utility Line-man: McKie; Welding: Arambbarri, Balder.

AIR CONDITIONING, REFRIGERATION AND HEATING

11-Month Program

The Air Conditioning, Refrigeration, and Heating Program 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 skills and knowledge necessary to repair the equipment with a strong emphasis on safety.

SUBJECTS

<table>
<thead>
<tr>
<th>SUBJECTS</th>
<th>Fall</th>
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<tr>
<td>Air Conditioning Lab RH 121-122-123</td>
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<td>Air Conditioning Theory RH 141,142,143</td>
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<td>Occupational Relationships RH 262</td>
<td>17</td>
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<th>COURSE OFFERINGS</th>
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<tbody>
<tr>
<td>RH AIR CONDITIONING, REFRIGERATION AND HEATING</td>
</tr>
<tr>
<td>RH 121-122-123 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (0-20-0-20-0-26-3). These courses provide the laboratory application of principles covered in the theory class. Skills will be developed and practice will be provided which will be needed by the service person. Different phases of air conditioning, refrigeration and heating will be covered.</td>
</tr>
<tr>
<td>RH 141-142-143 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (10-0-10-0-10-0-10). This sequence of courses 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 is used in the inspection of components such as relays, thermostats, motors and refrigerant lines.</td>
</tr>
</tbody>
</table>

RH 262 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, securing, maintaining and advancing in employment.

INDUSTRIAL MECHANICS

9-Month Program

The Industrial Mechanics Program is designed to prepare technicians with entry level skills relevant to increasingly complex automated industrial environments. Emphasis is on design, operation, maintenance, diagnosis and troubleshooting of modern systems as found in the workplace today. Preventive maintenance techniques and job safety are stressed.

SUBJECTS:

<table>
<thead>
<tr>
<th>SUBJECTS</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tr>
<td>Maintenance Machine Fundamentals IM 102</td>
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<tr>
<td>Electro-Mechanical Systems IM 110-111</td>
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<tr>
<td>Basic Fluid Power Operations IM 121-122</td>
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<tr>
<td>Industrial Mechanical Laboratory IM 131-132</td>
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<tr>
<td>Industrial Technology Communications IM 162</td>
<td>16</td>
<td>16</td>
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<tr>
<td>Occupational Relationships IM 262</td>
<td>16</td>
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<table>
<thead>
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<th>COURSE OFFERINGS</th>
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</thead>
<tbody>
<tr>
<td>IM INDUSTRIAL MECHANICS</td>
</tr>
<tr>
<td>IM 101 MAINTENANCE WELDING TECHNOLOGY (3-0-3/3F). Coverage includes oxyacetylene equipment, basic arc welding, and gas metal arc welding for maintenance. Use of special electrodes on ferrous and non-ferrous base metals is emphasized. Blueprint reading, shop math, equipment maintenance, and lay-out skills for modern manufacturing are included.</td>
</tr>
<tr>
<td>IM 102 MAINTENANCE MACHINE FUNDAMENTALS (3-0-3/3F). This course combines use of basic hand tools with selected machine tools (lathe, milling machine, drill press, shaper/piper, iand machine) as are required to effectively service increasingly sophisticated industrial devices. Preventive maintenance techniques utilizing this equipment are covered.</td>
</tr>
<tr>
<td>IM 110-111 ELECTRO-MECHANICAL SYSTEMS (3-0-3/3F-S). This course covers basic electricity, electrical motor technology, controls, test meter usage, transmission of power via various devices, troubleshooting, and maintenance of these systems.</td>
</tr>
</tbody>
</table>
**VOCATIONAL-TECHNICAL SCHOOL**

**IM 121-122 BASIC FLUID POWER OPERATIONS (3-0-3) (F-S).** Hydraulics and Pneumatics: Complex automated manufacturing equipment requires a technician to be proficient in maintaining, repairing, and troubleshooting fluid power systems. This course provides basic exposure to fluid power systems of pumps, motors, valves, servo-valves, actuators, filtration, fluid, and test equipment. PREREQ: MS 121.

**IM 131-132 INDUSTRIAL MECHANICAL LABORATORY (3-0-3) (F-S).** Laboratory experiences keyed to Performance Based Objectives integrated with lecture topics are the basis for this course. Practical application of theory, maintenance, and safety are stressed. PREREQ: MS 132.

**IM 162 INDUSTRIAL TECHNOLOGY COMMUNICATIONS (2-0-2).** Students are introduced to blueprint reading, layout, inspection, and computer numerical control machine setup and operation. These techniques are applied to the use of milling machines, grinders, surface grinders, and computer numerical control machines. The program focuses on the effective use of human, machine, and material resources for increased productivity. PREREQ: MS 121.

**IM 262 OCCUPATIONAL RELATIONS (2-0-2).** Course is designed to enable students to become skilled in dealing effectively with people in an industrial environment. Communication and writing skills for applying for, obtaining, retaining and advancing in employment are offered.

**MACHINE SHOP TECHNOLOGY Two Year Program**

A specialized Machine Shop Technology program is provided for students desiring to become machine tool operators. Students receive instruction in the set-up and use of all basic machine tools including lathes, milling machines, grinders, surface grinders, computer numerical control machines and bench work connected with them. Students will also learn about the many different materials and processes used by industry. They will receive classroom instruction and practical experience in the use of various precision, measuring, and testing equipment now being used by metals manufacturing industries.

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Machine Shop Laboratory MS 101-102</td>
<td>6</td>
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<tr>
<td>Communication Skills MS 111</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Blueprint Reading MS 124-125</td>
<td>2</td>
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<tr>
<td>Basic Math MS 132</td>
<td>2</td>
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<tr>
<td>Machine Shop Theory MS 151-152</td>
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<tr>
<td>Occupational Relationships MS 262</td>
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<td>2</td>
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<tr>
<td>Fundamentals of Speech Communication CM 111</td>
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**SOPHOMORE YEAR:**

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>Advanced Machine Shop Lab MS 201-202</td>
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<tr>
<td>Blueprint Reading &amp; Layout MS 221-222</td>
<td>2</td>
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<tr>
<td>Advanced Math MS 231-232</td>
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<tr>
<td>Advanced Machine Shop Theory MS 251-252</td>
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<td>Elective (on approval)</td>
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</table>

**MS MACHINE SHOP**

**MS 101-102 MACHINE SHOP LABORATORY (2-18-6).** This sequence covers safety, shop practice, work habits, and production rates. Also included are the set-up and operation of the lathes, milling machines, drill presses, power saws, and surface grinders, the use of special attachments, bench work, layout, and computer numerical control machines.

**MS 111 COMMUNICATION SKILLS (3-0-3) (F).** Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking related to their major field of endeavor, through individual and group projects to identify and resolve.

**MS 124-125 RELATED BLUEPRINT READING (2-0-2) (F-S).** This is concerned with the study of principles and techniques of reading blueprints as applied to the machine shop. The course is designed to enable students to understand the techniques used in the reading of machine shop blueprints.

**MS 132 BASIC MATH (2-0-2).** A study of fractions, decimals, metric system and basic math processes such as addition, subtraction, division and multiplication as applied to the machine shop.

**MS 151-152 MACHINE SHOP THEORY (3-0-3).** Machining processes and their application as practiced in the laboratory course. Students become familiar with all phases of instruction. The set-up, care and maintenance of surface grinders, drills, lathes, CNC, drill presses and other machine tools.

**MS 201-202 ADVANCED MACHINE SHOP LABORATORY (2-18-6).** The set-up and operation involving manipulative development and increased skill in the use of lathes, milling machines, drill presses, power saws, and cutting and surface grinding operations. This course provides basic exposure to fluid power systems of pumps, motors, valves, servo-valves, actuators, filtration, fluid, and test equipment. PREREQ: MS 121.

**MS 221-222 BLUEPRINT READING AND LAYOUT FOR THE MACHINIST (2-0-2).** This course provides basic exposure to fluid power systems of pumps, motors, valves, servo-valves, actuators, filtration, fluid, and test equipment. PREREQ: MS 121.

**MS 231-232 ADVANCED MATH (4-0-4).** A study of trigonometry and geometry as applied to shop problems and the mathematics required for numerical control machining. A study of scientific principles required in the machine trade is provided. PREREQ: MS 132.

**MS 251-252 ADVANCED MACHINE SHOP THEORY (2-0-2).** The composition of grinding wheels, metallurgy and heat treatment of metals. The programming of numerical controlled machines, as applied to the machine shop. PREREQ: MS 152.

**MS 262 OCCUPATIONAL RELATIONS (2-0-2) (F).** Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**ELECTRICAL LINEMAN 11-Month Program**

The Electrical Lineman Program provides the student with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Centering around a basic program of performance based objectives, instructional materials, and field experiences, the program provides the student with the necessary skills and knowledge needed as a firm foundation in this rapidly advancing field.

In the laboratory experience with equipment such as transformers, oil circuit breakers, switches, materials and pole line hardware, hot line tools, test equipment, bucket truck, line truck, trencher/borer, and related equipment components, the student with hands-on experience permitting further and more concentrated advancement in these skilled areas.

The program is designed to produce a highly skilled, well-informed apprentice lineman and in addition to teaching the use of all tools, materials, and equipment of the trade, the areas of first aid, personal safety, and occupational safety are stressed as integral parts of each area of the craft.

**SUBJECTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
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<tr>
<td>Lineman Lab EL 101-102-103</td>
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<tr>
<td>Lineman Theory EL 151-152-153</td>
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</tr>
<tr>
<td>Occupational Relationships EL 262</td>
<td>2</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

**EL ELECTRICAL LINEMAN**

EL 101-102-103 ELECTRICAL LINEMAN LABORATORY (3-25-10). The field operation provides actual "job type" experience for the student. Course content includes advanced climbing techniques, ropes and rigging, pole setting and removal, framing of various structures for transmission tower banks, services, street lights, underground distribution design, construction and maintenance, troubleshoot both overhead and underground, use and care of personal protective equipment, hot stick use and care, operation and maintenance of vehicles and all related construction equipment.

EL 151-152-153 ELECTRICAL LINEMAN THEORY (5-10-5). The theory portion of the program provides the student with an ample background in the basics of electrical theory, power generation, transmission, distribution, materials identification and application, overcurrent and protective devices, construction techniques, design and specification, basic climbing skills and care of personal tools, transformer theory, design and construction, operation and maintenance of vehicles and equipment, first aid, and personal and occupational safety.

EL 262 OCCUPATIONAL RELATIONS (F-3-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**WELDING 11-Month Program**

The Welding Program provides the student with instruction, practical experience, and related theory in shielded metal arc welding (SMAW), oxygen-acetylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of ferrous metals, plasma-arc cutting of non-ferrous metals, and the use of carbon arc cutting equipment. The first 9 months will be basic to intermediate welding. The summer session will be of a two-tract design. First, the design will permit students who need more time to satisfy requirements on performance based objectives for the basic portion of the program; and second, to permit the advanced students to further their skills, and to concentrate in more technical areas.

The program is designed to produce skilled workers in the areas of welding and blueprint interpretation as well as layout and fitting. The student will do all lab work based upon performance based objectives. Students will utilize all tools and equipment in their trade with a continuing emphasis on safety.

**SUBJECTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
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<tr>
<td>Lab W 101-102-103</td>
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<tr>
<td>Theory W 151-152-153</td>
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<tr>
<td>Blueprint Read &amp; Layout W 121-122-123</td>
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<td>7</td>
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<td>Welding Communication W 111</td>
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<tr>
<td>Occupational Relations W 262</td>
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</table>

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### COURSE OFFERINGS

#### WELDING

**W 101-102 WELDING LABORATORY (0-20-5)**: The basic to intermediate portion to this program includes electric arc (SMAW) with mild and low alloy steel electrodes, oxygen-acetylene (O/A) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of steel, and the use of carbon arc equipment.

**W 103 WELDING LABORATORY (0-20-3)**: Summer session (2 months) for basic students to continue on track and for advanced students to work into advanced welding as in TIG, PIPE and qualification tests.

**W 111 WELDING COMMUNICATION (3-0-3)**: To manage symbols and discover meaning clearly and exactly is the performance objective of this course. As a trainee, worker, citizen and human being, each student is provided opportunity to identify and resolve communication issues relevant to his/her own need and career.

**W 121-122 BLUEPRINT READING AND LAYOUT (0-0-3)/0-7-0)**: Fall semester will include blueprint, basic of structural steel layout and filing procedures. Spring semester will include advanced structural steel and basic plate drawing including field assembly plans and related math.

**W 123 BLUEPRINT READING AND LAYOUT (2-0-2)**: Summer session will include advanced plate and pipe drawings, including transitions and pipe elbows.

**W 151-152 WELDING THEORY (4-0-4)/1-2-0-2)**: The theory for the program covers all areas as related to the lab portion as well as material identification, material strength, forming plate and pipe drawings; including transitions and pipe elbows.


#### ELECTRONICS SERVICE TECHNOLOGY

- This program is designed to prepare the student for entry level employment in industry as an electronics technician. Instruction is designed to develop knowledge, understanding, and skills essential to be in a position to receive on-the-job training by a future employer to become a highly specialized electronics technician. It is, by design, a balance of analog and digital training with emphasis on diagnosing and correcting system failures.

#### FRESHMAN YEAR:

**1st SEM**

<table>
<thead>
<tr>
<th>Course Offerings</th>
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<tr>
<td>Communication Skills ES 111-112</td>
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<tr>
<td>Basic Electronics Math ES 131-132</td>
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<tr>
<td>Applied Physics ES 141-142</td>
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<tr>
<td>Intro to Digital Electronics I-II ES 161-162</td>
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<tr>
<td>Electronics Theory ES 151-152</td>
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**2nd SEM**

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<th>Credits</th>
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<tbody>
<tr>
<td>Electronics Laboratory ES 101-102</td>
<td>16</td>
</tr>
<tr>
<td>Communication Skills ES 111-112</td>
<td>16</td>
</tr>
<tr>
<td>Basic Electronics Math ES 131-132</td>
<td>16</td>
</tr>
<tr>
<td>Applied Physics ES 141-142</td>
<td>16</td>
</tr>
<tr>
<td>Intro to Digital Electronics I-II ES 161-162</td>
<td>16</td>
</tr>
<tr>
<td>Electronics Theory ES 151-152</td>
<td>16</td>
</tr>
</tbody>
</table>

#### SOPHOMORE YEAR:

**Adv. Electronics Laboratory ES 201-202**

**Intro to Computer Programming ES 204**

**Advanced Electronics Technology ES 255-256**

**Advanced Digital Electronics ES 271-272**

**Directed Study ES 296**

**Electives (Economics & Industrial & Human Relations)**

**17**

### BUSINESS MACHINE TECHNOLOGY

**DEPARTMENT OF LIGHT TECHNOLOGIES**

**Department Head:** E. Allen Weston; **Drafting:** Benton, Burkey, Olson, Watts, Weston; **Electronics:** Arnold, Dodson; **Wastewater Technology:** Place; **Business Machine Technology:** Jones, Cadwell.

#### ELECTRONICS SERVICE TECHNOLOGY

- This program is designed to prepare the student to enter level employment in industry as an electronics technician. Instruction is designed to develop knowledge, understanding, and skills essential to be in a position to receive on-the-job training by a future employer to become a highly specialized electronics technician. It is, by design, a balance of analog and digital training with emphasis on diagnosing and correcting system failures.

#### FRESHMAN YEAR:

**1st SEM**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Electronics Laboratory ES 101-102</td>
<td>16</td>
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<tr>
<td>Communication Skills ES 111-112</td>
<td>16</td>
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<td>16</td>
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<tr>
<td>Electronics Theory ES 151-152</td>
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**2nd SEM**

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<td>Communication Skills ES 111-112</td>
<td>16</td>
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<td>Basic Electronics Math ES 131-132</td>
<td>16</td>
</tr>
<tr>
<td>Applied Physics ES 141-142</td>
<td>16</td>
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<tr>
<td>Intro to Digital Electronics I-II ES 161-162</td>
<td>16</td>
</tr>
<tr>
<td>Electronics Theory ES 151-152</td>
<td>16</td>
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</table>

#### SOPHOMORE YEAR:

**Adv. Electronics Laboratory ES 201-202**

**Intro to Computer Programming ES 204**

**Advanced Electronics Technology ES 255-256**

**Advanced Digital Electronics ES 271-272**

**Directed Study ES 296**

**Electives (Economics & Industrial & Human Relations)**

**17**

### COURSE OFFERINGS

#### ES - ELECTRONICS SERVICE TECHNOLOGY

**ES 101 ELECTRONICS LABORATORY (0-16-4)**: Experiments in basic electronic circuits, practice and demonstration in the operation of electronic test equipment and tools.

**ES 111-112 COMMUNICATION SKILLS (3-0-3)/F.Gr.**: Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

**ES 131 BASIC ELECTRONICS MATH (2-1-2)**: Study of algebraic principles, problems, and concepts with emphasis placed on applications relating to electronics. PREREQ: one year of high school algebra or PERM/INST.

**ES 132 BASIC ELECTRONICS MATH II (2-1-2)**: Study of trigonometric functions and equations, vectors and vector mathematics for solution of AC circuits. PREREQ: ES 131.

**ES 141 APPLIED PHYSICS I (3-0-3)**: A general survey of physics with emphasis placed on properties of matter, heat, heat transfer and basic thermodynamics.

**ES 142 APPLIED PHYSICS II (3-0-3)**: Course in the basic principles of mechanics correlated with technical mathematics. PREREQ: ES 141.

**ES 151 ELECTRONIC THEORY I (4-1-4)**: Theory and analysis of AC, DC and RLC circuits with introduction into more complex solid state circuits.

**ES 152 ELECTRONIC THEORY II (4-1-4)**: Study of solid state electronic control devices and circuit applications. PREREQ: ES 151.

**ES 161 INTRODUCTION TO DIGITAL ELECTRONICS I (2-0-2)**: Introduction to the binary number system including addition, subtraction, boolean algebra, and Karnaugh maps.

**ES 162 INTRODUCTION TO DIGITAL ELECTRONICS II (2-0-2)**: Binary concepts, basic logic, counters, adders, and basic computer circuits. PREREQ: ES 161.

**ES 201-202 ADVANCED ELECTRONICS LAB (0-16-4)**: Experiments and troubleshooting exercises of advanced electronic circuits and systems covered in ES 255-256 (analog) and ES 271-272 (digital).

**ES 204 INTRODUCTION TO COMPUTER PROGRAMMING (2-0-2)**: Introduces FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and subroutines, as applied to problem solving and required by the service industry.

**ES 255 ADVANCED ELECTRONICS TECHNOLOGY I (4-1-4)**: Study of video circuits and systems, signal processing, alignment, and troubleshooting. PREREQ: ES 152.

**ES 256 ADVANCED ELECTRONICS TECHNOLOGY II (4-1-4)**: Study of RF communications systems, including RF generation, modulation, multiplexing, radiation, and reception. PREREQ: ES 256.

**ES 262 OCCUPATIONAL RELATIONS (3-0-3)**: Course is designed to enable a student to become skilled in dealing effectively with people and applying for, gaining, retaining and advancing in employment. Elective.

**ES 263 SHOP MANAGEMENT (3-0-3)**: Study of shop management including methods of pricing, bookkeeping, and warranty reimbursement. Elective.

**ES 271 ADVANCED DIGITAL ELECTRONICS I (4-1-4)**: Study of advanced digital circuits and systems including memory devices, basic microprocessor architecture and machine language programming. PREREQ: ES 162.

**ES 272 ADVANCED DIGITAL ELECTRONICS II (4-1-4)**: Continuation of ES 271 leading into microprocessor interfacing and control of electro-technical systems with emphasis on troubleshooting. PREREQ: ES 271.

**ES 296 DIRECTED STUDY (2-0-2)**: Individualized program of study agreed upon by the student and a faculty member to aid in advancing in a specialty area; this could include but is not limited to FCC license or CET certificate preparation.

### BUSINESS MACHINE TECHNOLOGY

This program and outline in Business Machine Technology has been developed to give the student of the course enough basic knowledge to be productive and able to perform the average job without any additional training. The student will be qualified to make maintenance inspections, make proper mechanical and electronic adjustments and/or repairs, and do general shop work. The student will be in a position to receive on-the-job training by his employer to become a highly skilled technician. The student will be trained in electronics and mechanical principles, with specialized training on mini-computers, typewriters, word processing, electronic cash registers and most other types of business machines.

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Business Machine Technology BM 155-156</td>
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<tr>
<td>Basic Electronic Theory BM 157-158</td>
<td>4</td>
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<tr>
<td>Customer Relations BM 113</td>
<td>3</td>
</tr>
<tr>
<td>Communication Skills BM 111-112</td>
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**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course Offerings</th>
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<tbody>
<tr>
<td>Advanced Business Machine Technology BM 255-256</td>
<td>11</td>
</tr>
<tr>
<td>Advanced Electronic Theory BM 271-272</td>
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</tr>
</tbody>
</table>

### COURSE OFFERINGS

#### BM BUSINESS MACHINE TECHNOLOGY

**BM 111-112 (3-0-3)**: Objective to enable students to use language effectively as a tool for the Office Machine Industry; i.e., effective writing and verbal communication for sales and technical repair. (3 clock hours per week).

**BM 113 CUSTOMER RELATIONS (2-0-2)**: Directed toward the tact and methods necessary to communicate with the public.

**BM 155 BUSINESS MACHINE TECHNOLOGY (5-17-9)**: This is a hands on theory/lab course in which the student is taught basic mechanical applied theory (22 clock hours per week).
DRAFTING TECHNOLOGY

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well versed 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. All courses are taught each semester, so that students may enter at the beginning of any regular semester.

First Semester
- Drafting Lab and Lecture DT 101
- Communication Skills DT 111
- Mathematics DT 131
- Science DT 141
- Manufacturing Processes DT 153

Second Semester
- Drafting Lab and Lecture DT 102
- Communication Skills DT 112
- Introduction to Surveying DT 122
- Mathematics DT 132
- Science DT 142
- Construction Codes DT 172

Third Semester
- Drafting Lab and Lecture DT 201
- Descriptive Geometry DT 221
- Applied Mathematics DT 231
- Statics DT 241
- Design Orientation DT 253
- Occupational Relationships DT 262

Fourth Semester
- Drafting Lab and Lecture DT 202
- Technical Report Writing DT 222
- Applied Mathematics DT 232
- Strength of Materials DT 242 or Statics DT 241
- Specialized Graphics DT 263
- Strength of Materials DT 242

COURSE OFFERINGS

DT DRAFTING TECHNOLOGY

DT 101 DRAFTING LABORATORY AND LECTURE (3-0-3). Mechanical drafting with basic drafting techniques, standards, and methods.

DT 102 DRAFTING LABORATORY AND LECTURE (3-0-3). Architectural drafting with tension compression and bending; introduction to limited structural design. PREREQ: DT 101.

DT 111, 112 COMMUNICATION SKILLS (3-0-3/F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of endeavor.

DT 122 SURVEYING (4-0-3). Introduction to surveying, methods and computation. Required field work with emphasis on compiling data and office computation. PREREQ: or COREQ: DT 132.

DT 131 MATHEMATICS (5-0-5). Fundamentals of algebra with an introduction to trigonometry and the use of calculators. PREREQ: satisfactory grade in high school algebra or equivalent.

DT 132 (4-0-4). Advanced algebra and trigonometry, closely integrated with drafting, surveying and science. PREREQ: DT 131 or equivalent.

DT 141 APPLIED PHYSICS (3-0-3). A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids.

DT 142 APPLIED PHYSICS (4-0-3). Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DT 132. PREREQ: DT 141.

DT 153 MANUFACTURING PROCESSES (3-0-3). A survey of materials, machine tools, production methods, and quality control methods.

DT 172 CONSTRUCTION CODES (2-0-2). Introduction to national and local building, electrical, plumbing and fire codes, as pertaining to residential and light commercial building construction. Emphasis on FHA, VA and conventional standard requirements. (Open to non-drafting technology majors—space permitting.)

DT 201 DRAFTING LABORATORY AND LECTURE (5-10-4). Civil drafting, mapping, highway curves and equipment. PREREQ: DT 201, 221.


DT 221 DESCRIPTIVE GEOMETRY AND DEVELOPMENT (4-0-3). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting applications.

DT 222 TECHNICAL REPORT WRITING (2-0-2/F/S). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.


DT 232 APPLIED MATHEMATICS (4-0-3). Application and expansion of mathematics, statics and strength of materials. Related to lab projects. PREREQ: DT 231.

DT 241 STATICS (4-0-4). Introductory course in statics with emphasis on analysis of simple structures. PREREQ: DT 132.


DT 261 GRAPHICS (2-0-2/F/S). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors—space permitting.)

DT 262 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DT 263 SPECIALIZED GRAPHICS (3-0-3). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering graphics. Lecture-laboratory. PREREQ: DT 261 Graphics. (Open to non-drafting technology majors—space permitting.)

ELECTRONICS TECHNOLOGY

The Electronics Technology Program prepares students desiring to enter the field of Electronics, working as team members with engineers in manufacturing, field troubleshooting, and research and development.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>Electronics Laboratory ET 101-102</td>
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<td>Technical Report Writing ET 121</td>
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<td>Electronics Math I-II ET 131-132</td>
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<td>Basic Physical Science ET 142</td>
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<tr>
<td>Electronic Theory ET 151-152</td>
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<td>Intro to Digital Electronics ET 161</td>
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<td>Digital Systems I ET 162</td>
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SOPHOMORE YEAR:

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<th>Course</th>
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<tr>
<td>Linear Systems Lab ET 201</td>
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<td>Telecommunications Lab ET 202</td>
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<td>Calculus II ET 231-232</td>
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<td>Instrumentation ET 241</td>
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<td>Instrumentation Lab ET 242</td>
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<td>Linear Systems ET 251</td>
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<td>Telecommunications Systems ET 252</td>
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<td>Occupational Relations ET 262</td>
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<td>Digital Systems II ET 264</td>
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<td>Digital Systems Lab II ET 265</td>
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<td>Solid State Devices II ET 273</td>
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<td>Digital Systems III ET 275</td>
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<td>Total</td>
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SEMICONDUCTOR TECHNOLOGY

The successful completion of ET 131- or Mathematics 111 or the equivalent is prerequisite for this major.

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>General Physics PH 101-102</td>
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<tr>
<td>College Chemistry C 131</td>
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<td>Chemistry Lab C 132</td>
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<td>Advanced Electronics Math ET 231-232</td>
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<td>Communication Skills ET 111-112</td>
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<tr>
<td>Intro to Digital Electronics ET 161</td>
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<tr>
<td>Intro to Integrated Circuit Industry ET 181</td>
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<td>Intro to Integrated Circuit Processing ET 182</td>
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<td>Integrated Circuit Processing I ET 183</td>
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SECOND YEAR

Digital Electronics ET 271-272 ........................................ 3 3
Digital Systems Design ET 282 ...................................... 3 3
Solid State Device Physics ........................................... 3 3
Integrated Circuit Lab ET 281 .......................................... 3
Electronics Theory I ET 151 ........................................... 5
Electronics Theory II ET 152 ......................................... 5
Circuit Analysis ET 171-172 ........................................... 3
Intro to Solid State Physics ET 291 .................................. 3
*Electives ................................................................. 3

Total ................................................................. 17 19

*Elective chosen from following course offerings to fulfill Occupational Area core requirements. These selections are also chosen with the intent of fulfilling the general education requirements for the Associate of Applied Science degree: GB 101, EC 201, EC 202, AC 205, AC 206, GB 202, IS 210, CM 111, EC P 101, PO 101, SO 101.

** The electives shall be selected from the areas of Business, Economics, and/or Human Relations.

## COURSE OFFERINGS

### ELECTRONIC TECHNOLOGY

**ET 101 ELECTRONICS LABORATORY I (0-10-2)(F/S).** Experiments in direct current electronics. Study of resistance, dc circuit behavior, dc applications of capacitors and inductors, dc operation of transistor, circuits, and characteristics of dc test equipment.

**ET 102 ELECTRONICS LABORATORY II (0-5-1)(F).** Experiments in alternating current electronics. Study of reactance, impedance, ac circuit behavior, ac transistor circuits, ac circuit devices, and characteristics of ac test equipment. PREREQ: ET 101.

**ET 111, 112 COMMUNICATION ELECTRONICS I, II (3-0-3)(F/S).** Study of terms, attributes, and the mechanical and electronic language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques, Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and report preparation.

**ET 121 TECHNICAL REPORT WRITING (1-4-2)(F).** Composition of standardized technical reports, proper usage of electrical schematic drawings and proper use of headings and punctuation.

**ET 131 ELECTRONICS MATHEMATICS I (3-2-3)(F/S).** The number system, algebra and algebraic equations, functions and the graphing of functions, exponential and logarithmic equations, and plane geometry and trigonometry.

**ET 132 ELECTRONICS MATHEMATICS II (3-2-3)(F).** Complex numbers, vectors and vector mathematics, trigonometric functions and equations, and graphing of trigonometric functions. PREREQ: ET 131.

**ET 142 BASIC PHYSICAL SCIENCE (3-0-3)(F).** Course covers concepts of force, displacement, power and energy and mechanical physical principles including mass, inertia, momentum, velocity and acceleration, and moment of inertia. Emphasis is placed on problem solving. PREREQ: One year high school algebra with satisfactory grade or equivalent.

**ET 151 ELECTRONIC THEORY I (4-4-1)(F/S).** Theory of direct current electricity, its behavior in dc circuits, resistance and physical properties contributing to resistance, errors in calculation, dc power, dc current and voltage laws, dc circuit analysis, and physical properties of circuit components.

**ET 152 ELECTRONIC THEORY II (4-1-1)(F/S).** Theory of alternating current electricity, its behavior in electric circuits, properties of alternating current and resistance, ac circuit analysis, mutual inductance and transformers. PREREQ: ET 151.

**ET 161 INTRODUCTION TO DIGITAL Electronic (2-0-2)(F).** Introduction to binary number system, boolean functions and mathematics, basic logic gates and logic families, Karnaugh mapping and boolean simplification, and combinational logic circuits. PREREQ: ET 152.

**ET 162 DIGITAL SYSTEMS I (3-0-3)(F/S).** Basic TTL and MOS gate operations, combinational logic circuits, digital logic gates, function expansion of gates, fan-out specifications, propagation delay and operating speed. Basic sequential logic operations, RS and JK flip-flop fundamentals. PREREQ: ET 161.

**ET 163 DIGITAL SYSTEMS II (3-0-3)(F).** Laboratory exercises to complement ET 162.

See ET 162 course description. PREREQ: ET 161.


**ET 173 SOLID STATE DEVICES LAB I (0-4-1)(F).** Laboratory exercises to complement ET 172. Diode rectification circuits, transistor biasing and amplifying circuits. Class A, AB, B, and C amplifier circuits, troubleshooting of diode and transistor circuits.

**ET 181 INTRODUCTION TO INTEGRATED CIRCUIT INDUSTRY (2-0-2)(F).** Overview of the integrated circuit's history, applications, and manufacturing. Course will cover technical aspects lightly and will focus on economic and social impact. PREREQ: ET 131-132, or M 111 or equivalent.

**ET 182 INTRODUCTION TO INTEGRATED CIRCUIT PROCESSING (2-0-2)(F).** Examination of the main techniques and processes necessary to build an integrated circuit from raw materials to final products. The emphasis is on conceptual aspects of processing; however, mechanisms and modeling will be discussed. PREREQ: ET 152 or M 111 or equivalent.

**ET 183 INTEGRATED CIRCUIT PROCESSING I (2-0-2)(F).** A descriptive treatment, in some chemical and mathematical detail, of the processes used to manufacture integrated circuits. PREREQ: ET 181, 182.

**ET 201 LINEAR SYSTEMS LAB (0-5-1)(F).** Laboratory exercises to complement ET 201. Linear amplifiers and signal processing circuits. Operational amplifiers, differential, active filters, oscillators, comparators, differential amplifiers, and specialized non-linear amplifiers. PREREQ: ET 152, ET 172.

**ET 202 TELECOMMUNICATIONS LAB (0-5-1)(F/S).** Laboratory exercises to complement ET 202. Communication experiments in radio frequency generation and modulation, bandwidth and frequency modulation, frequency shift keying, pulse width and position modulation, radio frequency reception circuits, demodulation and detection, heterodyne systems, and automatic frequency control. PREREQ: ET 251.


**ET 251 LINEAR SYSTEMS (3-2-3)(F/S).** Linear circuit processing. Operational amplifier circuits, comparators, oscillators, logarithmic amplification, active signal filtering, operational amplifier power supply considerations. PREREQ: ET 152.


**ET 262 OCCUPATIONAL RELATIONS (2-0-2)(F).** Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**ET 264 DIGITAL SYSTEMS II (2-2-2)(F).** Implementation of sequential logic, flip-flops, counters, encoders, decoders, arithmetic, logic systems and comparators. PREREQ: ET 182.

**ET 265 DIGITAL SYSTEMS LAB II (0-4-1)(F/S).** Laboratory exercises to complement ET 265. See ET 264 course description. PREREQ: ET 162.

**ET 273 SOLID STATE DEVICES II (2-0-2)(F).** Study of solid state devices including silicon controlled rectifiers, tunnel diodes, optoelectronic devices, power PET devices, and solid state transistors. PREREQ: ET 152.

**ET 274 SOLID STATE DEVICES LAB II (0-4-1)(F).** Laboratory exercises to complement ET 273. Study of characteristics of SCR devices, photodiodes and phototransistors, light emitting diodes, laser diodes, LASCR devices, power field effect transistors, solid state temperature sensors, and strain gauges. PREREQ: ET 172.

**ET 275 DIGITAL SYSTEMS III (2-0-2)(F/S).** Study of various logic families. Data converting, analog-to-digital and digital-to-analog conversion, digital data compression techniques, digital data transmission and reception, microprocessor peripheral systems, memory devices and systems. PREREQ: ET 262.

**ET 276 DIGITAL SYSTEMS LAB III (0-5-1)(F/S).** Laboratory exercises to complement ET 275. See ET 275 course description. PREREQ: ET 264.

**ET 277 MICROPROCESSOR SYSTEMS (2-0-2)(F).** Study of microprocessor functions based on 6800 series microprocessor. Number systems, microprocessor basics, computer arithmetic, programming, central processor unit structure, and interfacing. PREREQ: ET 264.

**ET 281 INTEGRATED CIRCUIT CIRCUIT CIRCUIT (2-2-2)(F).** Lecture and drafting techniques used in the design of integrated circuits, photolithographic masks. Focus to be on N-MOS silicon gate memory devices. PREREQ: ET 183.

**ET 291 INTRODUCTION TO SOLID STATE PHYSICS (3-0-3)(F).** A study of the interaction of wave phenomena (electromagnetic radiation, lattice vibrations and electrons) with the lattice in a solid. Attention is focused on understanding of the electrical and thermal properties of solids, metals and semiconductors, in particular. Other selected topics from solid state and low temperature physics. PREREQ: PH 102 or PH 220 or equivalent.

**ET 292 SOLID STATE DEVICE PHYSICS (3-2-3)(F/S).** Introduction to the theory underlying the operation of semiconductor devices. The emphasis is placed on qualitative understanding and simple quantitative models. PREREQ: PH 291, ET 231 or M 204, C 131.

## WASTEWATER TECHNOLOGY

### 11-Month Program

The Wastewater Technology Program is designed to prepare a student for employment as a new entry wastewater treatment plant operator. The program covers all phases of treatment plant operations, related math and sciences, maintenance, public relations, communications and report writing. Hands-on-experience is provided when the student works at an area wastewater facility.

### SUBJECTS

**Wastewater Lab I WW 101** ........................................ 10 10
**Wastewater Lab II WW 102** ..................................... 10 10
**Wastewater Treatment Plant Ops I WW 151** .................. 5 5
**Wastewater Treatment Plant Ops II WW 152** ............... 5 5
**Occupational Relations WW 252** ............................... 2 2

### SUMMER:

Plants Practicum WW 105 ........................................... 8 8

**VOCATIONAL-TECHNICAL SCHOOL**
DEPARTMENT OF MECHANICAL TECHNOLOGIES

Department Head: Charles Tillman; Auto Body: C. Parke; Automotive Mechanics: King, Mikels; Heavy Duty Mechanics: Brownfield, Tillman, Hall; Parts Counterman: Trescott; Small Engine Repair: Schroeder; Agricultural Equipment Technology: Gaines.

AUTO BODY
11-Month Program

The Auto Body Program is designed to provide the student with the background necessary for employment in a shop, repairing damaged automobiles. Basic laboratory practices of restoring vehicles to their original design, structure and finish are covered in this course. Basic glass and panel replacement are also covered. The student is given the opportunity to work on a variety of repair jobs in the shop. This experience provides students with the necessary skills and knowledge for employment in the auto body trade and closely allied crafts. Credits in this course of study are not counted toward an academic degree.

SUBJECTS

<table>
<thead>
<tr>
<th>AUTOMOTIVE MECHANICS</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Body AB 121-122-123</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Auto Body Theory AB 141-142-143</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Occupational Relations AB 262</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>12</td>
</tr>
</tbody>
</table>

COURSE OFFERINGS

AB AUTO BODY
AB 121-122-123 AUTO BODY LABORATORY (0-25-10)(F) (0-25-7)(SU). The purpose of these courses is to develop the skills needed by an auto body repairman. Subjects covered include: orientation, safety rules, shop housekeeping, oxyacetylene welding, painting fundamentals, metal working, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement.

AB 141-142-143 AUTO BODY THEORY (10-0-7)(F), (0-0-5)(SU). This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science are a part of the course and related to the trade are provided.

AB 262 OCCUPATIONAL RELATIONS (2-0-2). Designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

AM FRONT END & AIR CONDITIONING (10-20-15)(SU). This course covers diagnosis, air conditioning, ignition systems, generator testing, alternator rebuilder and testing, emission testing, starter rebuilding, automatic and standard transmissions, rear axles, and universal joint replacement.

COURSE OFFERINGS

AM AUTO MECHANICS

AM 105 AUTO MECHANICS TUNE-UP AND DRIVE TRAIN (10-20-15)(F). This course covers basic electricity, carburetion, ignition systems, generator testing, alternator rebuilder and testing, emission testing, starter rebuilding, automatic and standard transmissions, rear axles, and universal joint replacement.

AM 106 AUTO MECHANICS ENGINE AND BRAKES (10-20-15)(SU). This course covers diagnosis, of engines, measurement of wear, and rebuilding procedures. Braking systems are studied with emphasis on brake replacement, drum and rotor machining, and rebuilding of wheel and master cylinders.

AM 107 AUTO MECHANICS FRONT END AND AIR CONDITIONING (10-20-15)(SU). Front ends are checked for wear and rebuilt as necessary. Alignment of wheels is checked and corrected as required. In the Air Conditioning section, students are taught diagnosis of air conditioning problems, replacement of components, and evacuation and recharging with suitable refrigerant.

COURSE OFFERINGS

AM HEAVY DUTY MECHANICS—DIESEL

11 Month Program

This program is designed to prepare students for employment as heavy duty mechanics. Instruction will include the basics in design and fundamentals of operation of gasoline engines, diesel engines, heavy duty trucks, equipment and component parts. Instruction will be on mock-ups and actual working units.

SUBJECTS

<table>
<thead>
<tr>
<th>AM DIESEL MECHANICS I</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Diesel Mechanics Basic DM 101</td>
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<tr>
<td>Diesel Mechanics Intermed I, II DM 104-105</td>
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<tr>
<td>Occupational Relations DM 262</td>
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</table>

COURSE OFFERINGS

AM HEAVY DUTY MECHANICS—DIESEL

DM 101 DIESEL MECHANICS—BASIC (14-20-19)(F). This course covers shop safety practices, use and care of tools, use of measuring devices, service manuals, basic principles of diesel and heavy duty gasoline engines, transmissions, power trains, cooling systems, diesel and gasoline engine fuel systems, electrical systems, suspension, hydraulic and air brakes, clutches, steering, and basic welding. Students must satisfactorily complete all theory and laboratory assignments and pass a final examination to progress to intermediate heavy duty mechanics.

DM 105 DIESEL MECHANICS INTERMEDIATE I (10-20-17)(S). The study and laboratory application of the design, construction, maintenance, and repair of diesel and heavy duty gasoline engines. Shop safety, care and use of special tools, welding, transmissions and power trains, cooling systems, fuel systems, clutches, steering electrical systems, suspension, hydraulic and air brakes will be studied. The theory will be applied in the lab. PREREQ: DM 101.

DM 105 DIESEL MECHANICS INTERMEDIATE II (8-28-15)(SU). Continuation of the study and application of DM 104. PREREQ: DM 104.

DM 262 OCCUPATIONAL RELATIONS (2-0-2). Course designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

SMALL ENGINE REPAIR

(Recreational Vehicles) 9-Month Program

The Small Engine Repair Program will include classroom, math, and shop experiences directed to maintaining and repairing of a variety of two and four cycle engines used on portable power equipment, e.g., lawn mowers, outboard motors, chain saws, rotary tillers and recreational vehicles. The instructional units will emphasize the complete repair of all types of small engine equipment. Credit in this course of study is not counted toward an academic degree.

SUBJECTS

<table>
<thead>
<tr>
<th>SE SMALL ENGINE REPAIR</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Small Engine Laboratory SE 101-102</td>
<td>8</td>
<td>8</td>
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<tr>
<td>Small Engine Theory SE 141-142</td>
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<td>Occupational Relations SE 262</td>
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<td>2</td>
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<tr>
<td>Total</td>
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<td>16</td>
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COURSE OFFERINGS

SE SMALL ENGINE REPAIR

SE 101 SMALL ENGINE LABORATORY (0-12-8). Includes application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.

SE 102 SMALL ENGINE LABORATORY (0-12-8). Repair and maintenance of recreational vehicles, motorcycles, snowmobiles and outboard marine engines.

SE 141 SMALL ENGINE THEORY (0-0-6). Provides a basic understanding of internal combustion engine and principles of two and four cycle engines. Fundamentals in carburation and electrical systems are covered.
AGRICULTURAL EQUIPMENT TECHNOLOGY

The Agricultural Equipment Technology Program is designed to prepare students for employment in the repair of equipment used in the production and harvesting of agricultural products. Procedures from field troubleshooting to shop overhaul on various types of equipment will be covered. Theory and principles of operation will be stressed including a strong emphasis on safety procedures.

SUBJECTS

<table>
<thead>
<tr>
<th>Agriculture Equipment Lab AE 101-102</th>
<th>Fall</th>
<th>Spring</th>
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<table>
<thead>
<tr>
<th>AE 101-102 AGRICULTURAL EQUIPMENT LAB (0-25-6)</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>This course provides the application of principles covered in the theory class. Shop experience will be gained by making actual repairs to tractors and other planting, cultivating and harvesting equipment. Basic welding will also be covered.</td>
<td></td>
<td></td>
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<tr>
<td>AE 151-152 AGRICULTURAL EQUIPMENT THEORY (10-0-10)</td>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>A study of the internal combustion engine, gasoline and diesel fuel systems, mechanical and hydraulic theory and the application of these principles to the various machines used in farming operations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AE 262 OCCUPATIONAL RELATIONSHIPS (2-0-2)</td>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>Techniques of obtaining employment; relationships between workers, supervisors and employers. Resolution of human relationship issues of shop and office.</td>
<td></td>
<td></td>
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</tbody>
</table>

DAY CARE STUDIES (SUPERVISOR)

This curriculum is planned for people interested in working as teachers and/or as supervisors in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

DAY CARE SUPERVISOR

18-Month Program

Graduates will be trained to 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 defines as Child Care Assistant is a prerequisite to the supervisor level program.

DAY CARE ASSISTANT

SUBJECTS

<table>
<thead>
<tr>
<th>Introduction to Child Development</th>
<th>1st</th>
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<tbody>
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<td>CC 101</td>
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<tr>
<th>Communication Skills CC 111-112</th>
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<th>2nd</th>
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<tbody>
<tr>
<td>Health and Care of the Young Child CC 141</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Curriculum of the Young Child CC 171-172</th>
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<tbody>
<tr>
<td>Child Care Laboratory CC 181-182</td>
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<table>
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<tr>
<th>Contract Fld Exp Early Child Prg CC 125-126</th>
<th>1st</th>
<th>2nd</th>
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<tbody>
<tr>
<td>Plan and Eval of Laboratory Exp CC 135-136</td>
<td>187</td>
<td>187</td>
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DAY CARE TEACHER/SUPERVISOR:

SUBJECTS

| Advanced Child Care CC 255            | -   | 3   |
| Intro to Kindergarten Curriculum CC 256 | -   | 2   |

<table>
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<tr>
<th>Child Care Center Management CC 231-232</th>
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<td>Family and Community Development with</td>
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<tr>
<td>Child CC 252</td>
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<th>Occupational Relationships CC 261</th>
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<tr>
<td>Feeding Children CC 241-242</td>
<td>3</td>
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<tr>
<th>Child Care Center Supervision CC 201-202</th>
<th>1st</th>
<th>2nd</th>
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<tr>
<td>Contract Pract in Early Child Superv CC 235-236</td>
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<table>
<thead>
<tr>
<th>Plan and Eval of Child Care Center Supvr CC 235-236</th>
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<td>187</td>
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| 145 |

| VOCATIONAL-TECHNICAL SCHOOL |

<table>
<thead>
<tr>
<th>SUBJECTS</th>
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</table>

| AE 201-202 CHILD CARE CENTER SUPERVISION (0-12-3). Observation and preparation in laboratory preschool. Students will serve as aide to teachers, working directly with the children in small groups participating in community child care settings. |

| AE 211-222 CONTRACTED FIELD EXPERIENCE IN COMMUNITY DAY CARE PROGRAMS (0-2-4). Individual contract arrangement involving students, instructor and cooperating community agency to develop and implement the program for a specific group of children in a day care setting. |

| AE 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-3). Basic principles of child growth and development, the individual needs of preschool children, their language development, understanding their behavior and techniques of guidance and discipline. |

| AE 111, 112 COMMUNICATION SKILLS (3-0-3)(F)(S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of study. |

| AE 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAMS (0-4-1). Individual contract arrangement involving students, 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. |

| AE 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-0-2). Classroom lecture and discussion to include lab observation and record, methods of curriculum planning and evaluation, activity plans, curriculum objectives, and staff performance and relationships. |

| AE 141 HEALTH AND CARE OF THE YOUNG CHILD (3-0-3). Safety practices, basic nutrition, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Includes maintenance of teachers' health, face-to-face communication, general medical services, and the opportunity to observe them in the following areas: art, story telling, music, environmental science, beginning number and letter recognition. |

| AE 161-182 CHILD CARE LABORATORY (0-25-6). Observation and participation in the laboratory preschool. Student will serve as aide to teachers, working directly with the children, attend staff meetings, plan and carry out a variety of daily activities and become acquainted with curriculum, classroom arrangement, schedules, child guidance, staff responsibilities. |

| AE 201-202 CHILD CARE CENTER SUPERVISION (0-12-3). Observation and preparation in laboratory preschool. Students will gradually assume responsibility for the total child care operation under the supervision of instructor: serving as head teacher, planning curriculum, conducting staff meetings, planning daily and weekly schedules, and evaluating techniques for child evaluations, parent conferences. |

| AE 225-226 CONTRACTED PRACTICUM IN EARLY CHILDHOOD PROGRAMS (0-2-4). 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. |

| AE 231-232 CHILD CARE CENTER MANAGEMENT (2-0-2)(F) (3-2-3)(S). Introduction to the business practices in the operation of a child care center. Includes business arithmetic, record keeping, purchasing of supplies and equipment, and employer-employee relationships. Also includes licensing procedures required for day care centers. |

| AE 235-236 PLANNING AND EVALUATION OF CHILD CARE CENTER SUPERVISION (1-0-1). Classroom lecture and discussion to include management of child care programs, methods for supervising staff, child guidance techniques, child care staff, and child evaluation. Methods of working with parents, daily attendance, and child supervision. |

| AE 241-242 FEEDING CHILDREN (4-0-3). Nutritional requirements of preschool children in child care centers. Students plan, purchase, prepare and serve nutritious snacks and meals to children in the child care center. Also emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes. |

| AE 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-3). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need to establish effective relationships with parents of children in child care centers in the community resources available to both parents and the center. |

| AE 255 ADVANCED CHILD CARE (3-0-3)(F). A review of the history of child care and present day child care facilities in the U.S. and locally. Also covered in class are classroom management, caring for exceptional children and qualifications of people caring for children in group situations. |

| AE 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2)(S). Kindergarten curriculum and teaching practices as related to the kindergarten classroom. |

| AE 257 INFANT AND TODDLER CARE (2-0-2)(S). Total care of infants and toddlers in day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing of infants and toddlers. |

| AE 261-262 CHILD CARE STUDIES (3-0-3). Observation and participation in the laboratory preschool. Student will serve as aide to teachers, working directly with the children, attend staff meetings, plan and carry out a variety of daily activities and become acquainted with curriculum, classroom arrangement, schedules, child guidance, staff responsibilities. |

| AE 265-266 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2)(S). Kindergarten curriculum and teaching practices as related to the kindergarten classroom. |

DEPARTMENT OF SERVICE OCCUPATIONS

Department Head: Joan Lingfeuter; Child Care: Lingfeuter, Gourley; Food Service: Hof; Horticulture: Maki, Oyler; Mid-Management: Knowlton, Lane, Scudder; Office Occupations: Metzger, Butler, Carlton, Williamson; Related Subjects: Skirnanz, Tompkins.

CHILD CARE STUDIES (SUPERVISOR)

This curriculum is planned for people interested in working as teachers and/or as supervisors in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

VOCATIONAL-TECHNICAL SCHOOL
SOPHOMORE YEAR:

FRESHMAN YEAR:

FOOD SERVICE TECHNOLOGY

11-Month Program

The Food Service Technology Program is designed to meet the needs of students as they prepare to enter the food service industry. A variety of experiences and instructional strategies will be provided to cover the operations of fast foods, franchises, motel and hotel specialty houses and catering.

The theory and laboratory experiences will provide the students with the basic skills required for preparation of foods; appreciation of the standards of production, efficient use of time management; skills required in the development of quantity cooking; safe and efficient use of utensils and equipment; and the harmonious relationships that are expected in the industry.

Management practices are covered in the theory class and put into actual use. Included in this sequence of instruction are the procedures of storeroom management for purchasing, receiving, storing and utilization through menu planning. Planning out the program the student is provided with office procedures, management of monies, food cost accounting and portion controls.

SUBJECTS

Food Service Lab FT 103-104-105 10 10 10
Food Service Theory FT 143-144-145 5 5 5
Occupational Relations FT 262 15 17 15

HO 101 HORTICULTURE LABORATORY (0.15-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

HO 102 HORTICULTURE LABORATORY (0.15-4). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

HO 251 HORTICULTURE THEORY (7-0-7). First semester—developing comprehension of the basic principles utilized in plant identification, plant growth and development, limiting factors, disease which aid plant propagation. Second semester—developing comprehension of the scientific principles utilized in plant identification, plant growth and development, limiting factors, disease which aid plant propagation; growing practices of different types of crops. Third semester—applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete, block, brick, stone and wood structures, turf grass installation, and identification of plant diseases and insects.

HO 252 HORTICULTURE THEORY (7-0-7). First semester—developing comprehension, analyzing and evaluation of introduction to the field of horticulture, plant classification and growth, climate and other growth limiting factors, soil and soil amendments. Second semester—developing comprehension, analysis and evaluation of plant propagation; growing practices of different types of crops. Third semester—applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete, block, brick, stone and wood structures, turf grass installation, and identification of plant diseases and insects.

HO 103-104-105 FOOD SERVICE LAB (0.25-10). Correlates the theory with actual large quantity food service practice in situations similar to those found in the food service industry.

FT 143-144-145 FOOD SERVICE THEORY (0.10-6). Theory necessary to prepare a student to be a food service worker and develop an understanding of such principles as fundamental operations of basic nutrition, purchasing, storage, handling, safety, sanitation, handling of prepared foods, bus and seat tables, wait on tables, dining room etiquette, and dishwashing.

FT 262 OCCUPATIONAL RELATIONS (2-0-2): Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

HORTICULTURE SERVICE TECHNICIAN

(Landscape Construction and Maintenance)

THE LANDSCAPE CONSTRUCTION AND MAINTENANCE PROGRAM has for its objective the preparation of students for employment in the Landscape, Nursery, Floral, Greenhouse, and Fruit and Vegetable industries. This includes both the production, sales and service areas of these major fields. It stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation, and landscape planting. Graduates of the Horticulture program qualify for positions in Nursery and Floral establishments as well as in Parks, Grounds, Maintenance, 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.

FRESHMAN YEAR:

1st SEM

2nd SEM

Horticulture Laboratory HO 101-102 4 4
Communication Skills HO 111-112 3 3
Related Basic Mathematics HO 131-132 3 3
Related Basic Science HO 141-142 3 3
Horticulture Theory HO 151-152 7 7

SOPHOMORE YEAR:

1st SEM

2nd SEM

Horticulture Laboratory HO 201-202 4 4
Related Science HO 241-242 2 2
Horticulture Theory HO 251-252 7 7
Occupational Relationships HO 262 2 2

COURSE OFFERINGS

HO 101 HORTICULTURE LABORATORY (0.15-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

HO 102 HORTICULTURE LABORATORY (0.15-4). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

COURSE OFFERINGS

HO 101 HORTICULTURE LABORATORY (0.15-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

MARKETING* - MID-MANAGEMENT

NOTE: The Marketing-Mid-Management program is also listed in Part 5 of the Catalog, under the School of Business.

*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 and Administrative Services.

FRESHMAN YEAR:

1st SEM

2nd SEM

English Composition E 101-102 3 3
Introduction to Business GB 202 3 3
Math or Information-Decision Science Elective 5 5
Salesmanship MM 101 3 3
Introduction to Financial Accounting AC 205 3 3
Principles of Economics-Macro EC 201 3 3
Mid-Management Practicum MM 100 3 3
Elements of Management MM 105 3 3
Fundamentals of Speech Communication 3 3

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SOPHOMORE YEAR:

Consumer Marketing MM 201 ........................................ 3 -
Principles of Economics-Micro EC 202 .......................... 3 -
Principles of Advertising MM 203 ............................... - 3
Report Writing MM 209 ............................................. 3 -
Supervision of Personnel MM 204 ............................... 3 -
Retail Merchandising MM 204 ...................................... 3 -
General Psychology P 101 ............................................ - 3
Mid-Management Practicum MM 100 .............................. 2 2
Electives ........................................................................ 2 5

NOTE: MM Courses are listed in Part 5 of the catalog.

OFFICE OCCUPATIONS

The Office Occupations Program is designed to meet the needs of students as they prepare to enter the business world, in both private industry and government. Upon entering the program, the students select an emphasis and work on a specific curriculum for that option. Suggested curricula for the options are as follows:

<table>
<thead>
<tr>
<th>Emphasis</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>SECRETARY — 2 Semesters</td>
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<tr>
<td>Business Math-Machines OF 118</td>
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<tr>
<td>Business Communications OF 110</td>
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<tr>
<td>Business Writing OF 120</td>
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<td>Word Processing OF 114</td>
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<td>Record Keeping OF 116</td>
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<td>Filing &amp; Records Management OF 112</td>
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<td>Shorthand Lab, Begin or Interm. OF 115, 117</td>
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<td>CLERK-TYPIST — 2 semesters</td>
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<tr>
<td>Business Math-Machines OF 118</td>
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<tr>
<td>Business Communications OF 110</td>
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<tr>
<td>Business Writing OF 120</td>
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COURSE DESCRIPTIONS

OF OFFICE OCCUPATIONS

OF 100 BOOKKEEPING I (3-4-5)(F). Covers the entire bookkeeping cycle for sole proprietorship bookkeeping. Includes journalizing, posting, financial statements, payroll, and closing procedures.

OF 101 BOOKKEEPING II (3-4-5)(S). Covers the entire bookkeeping cycle for a corporation. Includes the use of special journals, cash register system, sales, taxes, uncollectable accounts, depreciation, disposal of plant assets, notes, accruals, partnerships, and corporations.

OF 102 TYPING (2-8-4)(F). Theory and keyboard operations on the typewriter with application for personal or business use. Developing/measuring basic skills.

OF 103 TYPING II (2-8-4)(F/S). Review of typing fundamentals for developing speed and accuracy with applications of these skills for business use. Measuring basic production skills.

OF 104 TYPING III (2-3-4)(F/S). Continued study of typewriting procedures to develop speed and accuracy in office applications. Measuring basic production skills.

OF 110 BUSINESS COMMUNICATIONS (3-0-3)(S). Emphasis on developing grammar skills such as parts of speech, punctuation, capitalization, spelling, and vocabulary skills.

OF 112 FILING (1-4-1)(F/S). Designed to provide fundamental training in records management, so students will be able to meet entry-level records management needs of business. At conclusion of the course, students will have learned to handle all types of correspondence and forms most frequently found in modern offices. They also will have had experience with the four filing methods: alphabetic, numeric, subject, and geographic.

OF 114 WORD PROCESSING (2-3-3)(S). The development of speed and accuracy in machine transcription by using programmed tapes and simulated office work experience. Student will learn to transcribe from machine letters, transcripts, memos, reports and statistical tables. Also included is the development of skills using memory typewriter and other up-to-date word processing equipment. Emphasis is placed on creation, storage, and retrieval of typed material.

OF 115 SHORTHAND I LAB (0-2-1)(F). Open lab to be used in conjunction with OF 121.

OF 116 RECORD KEEPING (2-3-4)(S). Fundamental operations of bookkeeping cycles for very simple clerical tasks to the introduction of elementary double-entry bookkeeping concepts. Develops skills and knowledge that students can use in simple clerical office jobs in which recordkeeping is involved.

OF 117 SHORTHAND II LAB (0-2-1)(F/S). Open lab to be used in conjunction with OF 122.

OF 118 BUSINESS MATH/MACHINES (3-2-4)(F). Fundamental operations of arithmetic and algebra in business usage. Decimals, fractions, percentages, interest discount, markup, instalment buying, depreciation. Student will learn the touch system using the electronic printing calculator.

OF 120 BUSINESS WRITING (5-0-5)(S). Designed to emphasize the building of a foundation in effective business writing principles. Preparation of a variety of business letters is required.

OF 121 SHORTHAND I (5-0-4)(F). A beginning course in Gregg Shorthand. Emphasis is placed on theory, writing skill, vocabulary development. PREREQ: Demonstrated proficiency in typewriting or current enrollment in typewriting.

OF 122 SHORTHAND II (5-3-4)(F/S). Review of shorthand theory with emphasis on the broadening of phraseology and transcription to improve speed and accuracy. PREREQ: OF 121 or advanced placement through proficiency exam.

OF 123 SHORTHAND III (5-0-4)(F/S). Emphasis on the understanding of business usage in shorthand language and the development of high speed in shorthand transcription. PREREQ: OF 122 or advanced placement through proficiency exam.

APPRENTICESHIP AND TRADE EXTENSION

Through cooperative arrangements with the State Board for Vocational Education, Boise State University School of Vocational-Technical Education sponsors a wide range of trade extension programs for beginning, apprentice, and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably, such courses provide related technical education for those workers receiving on-the-job instruction in such vocations as sheetmetal, carpentry, plumbing, welding, electricity, electronics, typing, automobiles, nursing, and farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational-Technical Education. Phone: (208) 385-1974.

HIGH SCHOOL EQUIVALENCY (GED Preparation — No Credit)

The High School Equivalency Program is designed for people who are performing below a twelfth grade academic level. This program is designed to help students prepare for the high school Equivalency Test (GED).
### Boise State University Faculty

**Full Time Official Faculty As Of January, 1984**

(The Date In Parentheses Is The Year Of First Appointment)

Level Of Highest Earned Degree Only Is Shown, Not Actual Degree. Abbreviations Used Are Doct For Doctorate Level, Mast For Master's Level, Bach For Bachelor's Level, Assc For Associate, And Dip For Diploma.

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<th>Field</th>
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<td>Affleck,</td>
<td>Stephen</td>
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<td>Robert L</td>
<td>Advanced Instructor, Industrial Mechanic; Bach, Boise State University</td>
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<td>Kenneth M</td>
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<td>Douglas, Dorothy</td>
<td>Associate Professor, Biology; Doct, University Of California Berkeley</td>
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<td>Douglas, J D Jr</td>
<td>Associate Professor, Art; Mast, Cranbrook Academy</td>
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<td>Downs, Richard R</td>
<td>Associate Professor, Psychology; Counselor, Counseling &amp; Testing Center; Counseling</td>
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<td></td>
<td>Psychologist; Doct, Ball State University</td>
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<td>Draayer, Gerald F</td>
<td>Director, Center For Economic Education; Associate Professor, Economics; Doct, Ohio</td>
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<td>Duke, Victor H</td>
<td>Dean, College Of Health Sciences; Professor, Pharmacology, Health Sciences; Doct,</td>
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<td>Dykstra, Dewey I</td>
<td>Assistant Professor, Physics; Doct, University Of Texas Austin</td>
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<td>Eastman, Phillip</td>
<td>Associate Professor, Mathematics; Doct, University Of Texas</td>
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<td>Edmundson, Eldon</td>
<td>Associate Professor, Environmental Health; Chairperson, Community &amp; Environmental Health; Doct, Washington State University</td>
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<td>Edmundson, Phyllis</td>
<td>Associate Professor, Teacher Education; Doct, University Of Northern Colorado</td>
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<td>Elliott, Wilber D</td>
<td>Professor, Music; Chairperson, Music Department; Mast, Central Washington University</td>
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<td>Ellis, Robert W</td>
<td>Professor, Biochemistry; Doct, Oregon State University</td>
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<td>Eno, Barbara</td>
<td>Instructor, Nursing; Bach, University Of Oregon</td>
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<td>Ericson, Robert E</td>
<td>Associate Professor, Theatre Arts; Doct, University Of Oregon</td>
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F

Fahleson, Genger ........................................... (1974)
  Assistant Professor, Physical Education; Mast, Bowling Green State University

Ferguson, David J ........................................... (1970)
  Associate Professor, Mathematics; Doct, University Of Idaho

Fletcher, Allan W, Professor, History ..................... (1970)
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Foraker-Thompson, Jane ................................. (1982)
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Fountain, Carol E ........................................... (1967)
  Associate Professor, Nursing; Mast, Montana State University

Fox, Roy F, Assistant Professor, English .................. (1978)
  Coordinator, Composition, English Department; Doct, University Of Missouri Columbia

Frederick, E Coston ........................................ (1971)
  Professor, Teacher Education; Doct, Syracuse University

French, Judith ............................................. (1976)
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Friedli, Robert L ........................................... (1978)
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Fritchman, II H K, Professor, Biology ....................... (1954)
  Doct, University Of California Berkeley

Fuhriman, Jay R ............................................ (1982)
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Fuller, Eugene G, Professor, Biology ....................... (1967)
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G

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  Assistant Professor, Construction Manage; Mast, Stanford University

Gallup, V Lyman ............................................ (1977)
  Associate Professor, Decision Sciences; Head Coach, Golf; Doct, University Of Oregon

Gardner, Norman D ........................................ (1974)
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Gill, Edward K ............................................ (1982)
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Glassen, Gustav B, Instructor, Machine Shop ............ (1979)
  Cert,

Glenn, Roy, Associate Professor, Management ........... (1982)
  Doct, Case Western Reserve University

Gourley, Margaret .......................................... (1978)
  Standard Instructor, Child Care; Bach, College Of Wooster

Grant, Anna, Instructor, Nursing .......................... (1983)
  Mast, University Of Washington

Grantham, Stephen B ..................................... (1962)
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Griffin, John .............................................. (1983)
  Assistant Professor, Mathematics; Doct, Washington State University

Groebner, David F ......................................... (1973)
  Professor, Decision Sciences; Doct, University Of Utah

Guilford, Charles .......................................... (1981)
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H

Haacke, Don P ............................................. (1971)
  Head Librarian, Maps & Spcl Collections Dept, Libr; Associate Professor, Library Science; Mast, University Of Washington
## FACULTY

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<tr>
<th>Name</th>
<th>Position/Department</th>
<th>University/Institution</th>
<th>Year</th>
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<tr>
<td>Huskey, Darryl L</td>
<td>Head Librarian, Govt Publications Dept, Library; Associate Professor, Library Science</td>
<td>Mast, Kansas State Teachers College</td>
<td>1968</td>
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<tr>
<td>Hyde, Kenneth A</td>
<td>Instructional Product Development Spclst, Educational Media Services; Assistant Professor, Education</td>
<td>Mast, Utah State University</td>
<td>1979</td>
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<tr>
<td>Imbs, Bonnie J</td>
<td>Advanced Instructor, Dental Assisting; Bach, Boise State University</td>
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<td>Ison, M Gail</td>
<td>Professor, Psychology</td>
<td>Doct, University of Oregon</td>
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<td>Jacoby, Edward G</td>
<td>Assistant Professor, Physical Education; Mast, University Of Northern Colorado</td>
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<td>Jannson, Paul R</td>
<td>Instructor, Consumer Electronics; Cleveland Institute Of Electronics</td>
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<td>Jensen, John H</td>
<td>Professor, Teacher Education; Doct, University Of Oregon</td>
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<td>Jensen, Margaret G.</td>
<td>Assistant Professor, Teacher Education; Doct, Texas A &amp; I University</td>
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<td>Job, Sharon D</td>
<td>Assistant Professor, Nursing</td>
<td>Mast, Boise State University</td>
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<td>Jocums, George A</td>
<td>Professor, Foreign Languages; Doct, University Of Michigan</td>
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<td>Johnson, David</td>
<td>Associate Professor, Social Work; Mast, Rutgers State University</td>
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<td>Jones, Donald S</td>
<td>Senior Instructor, Business Machine Repa;</td>
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<td>Jones, Emil D</td>
<td>Assistant Professor, History; Doct, Texas Christian University</td>
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<td>Juola, Robert C</td>
<td>Professor, Mathematics</td>
<td>Doct, Michigan State University</td>
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<td>Keiser, John H</td>
<td>Professor, History; Doct, Northwestern University</td>
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<td>Kelley, Fenton C</td>
<td>Associate Professor, Biology; Doct, University Of California Berkeley</td>
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<td>Kenny, G Otis</td>
<td>Associate Professor, Mathematics; Doct, University Of Kansas</td>
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<td>Keppler, William</td>
<td>Dean, College Of Arts &amp; Sciences; Professor, Biology; Doct, University Of Illinois</td>
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<td>Kerr, Charles R</td>
<td>Chairperson, Mathematics Department; Doct, University Of British Columbia</td>
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<td>Kettlewell, Ursula I</td>
<td>Assistant Professor, Management, Finance; Doct, University Of Idaho</td>
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<td>Killmaster, John</td>
<td>Professor, Art</td>
<td>Mast, Cranbrook Academy</td>
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<td>King, Jay A</td>
<td>Assistant Professor, English</td>
<td>Mast, New York University</td>
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<td>King, Louis J</td>
<td>Instructor, Auto Mechanics</td>
<td>Mast, New York University</td>
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<td>Kinney, Richard S</td>
<td>Associate Professor, Political Science; Doct, University Of Notre Dame</td>
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<td>Kirtland, William</td>
<td>Professor, Teacher Education; Director, Reading Center; Doct, Arizona State University</td>
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<td>Knowlton, Leo L</td>
<td>Professor, Marketing</td>
<td>Mast, University Of Idaho</td>
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<td>Kober, Alfred</td>
<td>Professor, Art</td>
<td>Mast, Fort Hayes Kansas State College</td>
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<td>Kraker, Thomas L</td>
<td>Assistant Professor, Respiratory Therapy; Mast, College Of Idaho</td>
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<td>Lacava, Gerald</td>
<td>Associate Professor, Decision Sciences; Doct, University Of Kansas</td>
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<td>Lambert, Carroll</td>
<td>Professor, Teacher Education; Doct, Utah State University</td>
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<td>Lamborn, Ellis W</td>
<td>Professor, Economics</td>
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<td>Lamer, Daniel G</td>
<td>Professor, Mathematics</td>
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<td>Lane, Richard C</td>
<td>Associate Professor, Marketing; Mast, Kansas State University</td>
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<td>Lauterbach, Charles E</td>
<td>Professor, Theatre Arts; Chairperson, Theatre Arts Department; Doct, Michigan State University</td>
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<td>Leahy, Richard</td>
<td>Associate Professor, English; Doct, University Of California Davis</td>
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<td>Associate Professor, Physical Education; Mast, University Of Idaho</td>
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<td>Lichtenstein, Peter M</td>
<td>Associate Professor, Economics; Doct, University Of Colorado</td>
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<td>Lincoln, Douglas</td>
<td>Associate Professor, Marketing; Chairperson, Mkting &amp; Admin Services; Doct, Virginia Polytechnic University</td>
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<td>Lingenfelder, Joan</td>
<td>Senior Instructor, Child Care; Chairperson, Service Occupations Department; Bach, University Of Idaho</td>
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<td>Lojek, Helen</td>
<td>Assistant Professor, English</td>
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<td>Long, Elaine M</td>
<td>Associate Professor, Nutrition; Mast, Iowa State University</td>
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<td>Long, James A</td>
<td>Associate Professor, Biology</td>
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<td>Lovin, Hugh T</td>
<td>Professor, History</td>
<td>Doct, University Of Washington</td>
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<td>Chairperson, Physics &amp; Engineering Department; Doct, Utah State University</td>
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<td>Lundy, Phoebe J</td>
<td>Associate Professor, History; Mast, Drake University</td>
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<td>Lynch, Donna</td>
<td>Assistant Professor, Nursing</td>
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<td>Lyons, Lamont S</td>
<td>Associate Professor, Teacher Education; Chairperson, Teacher Education Department; Doct, University Of Massachusetts</td>
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<td>Maki, Allan E</td>
<td>Instructor, Horticulture</td>
<td>Bach, University Of Idaho</td>
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<td>Maloof, Giles</td>
<td>Professor, Mathematics</td>
<td>Doct, Oregon State University</td>
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<td>Manship, Darwin W</td>
<td>Professor, Admin Services; Doct, Brigham Young University</td>
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FACULTY

N

Nelson, Anne M (1967)  Associate Professor, Education; Counselor, Counseling & Testing Center; Counseling Psychologist; Doct, University Of Oregon
Newby, Gary R, Professor, Physics (1966)  Doct, Arizona State University
Nickerson, Ross S (1966)  Assistant Professor, English; Mast, University Of Utah
Nix, David E (1975)  Associate Professor, Accounting; Doct, Oklahoma State University
Norman, Frederick J, Professor, Arts (1969)  Executive Director, Morrison Center; Mast, University Of Northern Colorado

O

Oakes, Donald R, Associate Professor, Music (1966)  Associate Chairperson, Music Department; Mast, Northwestern University
Ochi, Frederic D, Associate Professor, Art (1971)  Mast, University Of California Los Angeles
Odahl, Charles M (1975)  Associate Professor, History; Doct, University Of California San Diego
Oliver, Mamie (1972)  Associate Professor, Social Work; Doct, Washington State University
Olson, Thomas (1975)  Standard Instructor, Applied Mathematics; Bach, University Of Idaho
Oravez, David L, Associate Professor, Art (1964)  Mast, University Of Wisconsin
Ostrander, Gloria (1971)  Head Librarian, Monographs Dept, Library; Associate Professor, Library Science; Mast, University Of Washington
Ourada, Patricia, Professor, History (1962)  Doct, University Of Oklahoma
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P

Panitch, Arnold (1974)  Associate Professor, Social Work; Mast, Wayne State University
Papenfuss, Herbert, Professor, Biology (1967)  Doct, Colorado State University
Papinchak, Robert (1979)  Assistant Professor, English; Doct, University Of Wisconsin Madison
Parker, Ben L (1977)  Associate Professor, Communication; Doct, Southern Illinois University
Parks, Donald J (1973)  Professor, Engineering, Engineering; Doct, University Of Minnesota
Pavesic, Max G, Professor, Anthropology (1973)  Chairperson, Soc, Anthrop & Qa Department; Doct, University Of Colorado
Payne, Richard D, Professor, Economics (1970)  Chairperson, Economics Department; Doct, University Of Southern California
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Sadler, Norma J  (1973)  
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Singh, Ramlaykha  (1975)  
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Skillern, William  (1971)  
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Skirmants, Alexandra, Standard Instructor  (1976)  
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Skoro, Charles L  (1982)  
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Skov, Arny R, Professor, Art  (1967)  
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Smith, Brent, Assistant Professor, Art  (1981)  
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Smith, Donald D, Professor, Psychology  (1967)  
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Associate Professor, Physics, Engineerin; Doct, University Of Wisconsin

Snow, Mark E, Professor, Psychology  (1971)  
Doct, University Of Utah

Spafford, Stephen  (1972)  
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Speake, Constance  (1981)  
Associate Professor, Music; Mast, University Of Michigan

Spinosa, Claude, Professor, Geology  (1970)  
Chairperson, Geology Department; Doct, University Of Iowa

Spitzer, Terry-Ann  (1981)  
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Stark, Frank W .............................................. (1957)
Professor, Chemistry, Physical Science; Mast, Trinity College
Steiger, Harry L ............................................. (1972)
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Stitzel, Thomas E ........................................... (1975)
Dean, College Of Business; Professor, Management, Finance; Doct, University Of Oregon
Strong, Janet ............................................... (1973)
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Sugiyama, Masao ........................................... (1974)
Associate Professor, Mathematics; Associate Chairperson, Mathematics Department; Doct, Washington State University
Sulanke, Robert, Professor, Mathematics .................. (1970)
Doct, University Of Kansas
Sumter, Bonnie J, Instructor ................................ (1978)
Coordinator, Health Occupations; Bach, University Of Idaho
Swartz, S. Harley ............................................ (1982)
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Takeda, Yozo .................................................. (1969)
Professor, Mathematics; Doct, University Of Idaho
Takehara, John S, Professor, Art ........................ (1968)
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Taye, John A, Associate Professor, Art ....................... (1975)
Mast, Otis Art Institute
Taylor, Adrien P Jr ......................................... (1977)
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Taylor, David S, Vp, Student Affairs ........................ (1972)
Professor, Psychology; Doct, Michigan State University
Taylor, Patricia .............................................. (1975)
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Taylor, Ronald S, Assistant Professor, Art .................. (1975)
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Thomas, Karen S ............................................ (1981)
Assistant Professor, English; Mast, University Of California Davis
Thomason, George .......................................... (1975)
Assistant Professor, Music; Mast, Boise State University
Thorngren, Connie .......................................... (1970)
Head Coach, Women's Basketball; Assistant Professor, Physical Education; Mast, Central Washington University
Thurber, Steven D, Professor, Psychology .................... (1970)
Doct, University Of Texas
Tillman, Charles ............................................ (1977)
Standard Instructor, Diesel Mechanics; Chairperson, Mechanical Technology; University Of Idaho
Tomkins, James W .......................................... (1963)
Assistant Professor, Industrial Commun; Bach, Westminster Theological Seminary
Towl, Mary Ann .............................................. (1976)
Advanced Instructor, Practical Nursing; Bach, Idaho State University
Traynewicz, Laurel .......................................... (1981)
Assistant Professor, Communication; Doct, University Of Iowa
Trumble, Larry .............................................. (1974)
Vocational Counselor, Vocational Counseling; Instructor; Mast, Northern Arizona University
Trusky, A Thomas ........................................... (1970)
Associate Professor, English; Mast, Northwestern University
Tubbs, Stewart L, Professor, Management .................. (1983)
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Tucker, Walter ................................................ (1975)
Advanced Instructor, Air Conditioning; Cert, Idaho State University
Vahey, Joann T .............................................. (1973)
Associate Dean, College Of Health Sciences; Professor, Nursing; Doct, Columbia University
Valverde, Luis J .............................................. (1965)
Professor, Foreign Languages; Doct, University Of California Los Angeles
Vaughn, Ross E .............................................. (1973)
Associate Professor, Physical Education; Doct, Washington State University
Vinz, Warren L, Professor, History ........................ (1968)
Chairperson, History Department; Doct, University Of Utah
Waag, Charles J ............................................ (1981)
Associate Professor, Geology; Doct, University Of Arizona
Wade, Mildred R ............................................. (1981)
Associate Professor, Nursing; Director, Associate Degree Nursing; Mast, University Of Colorado
Waite, Wenden W ............................................ (1976)
Professor, Teacher Education; Doct, Utah State University
Waldorf, Larry L ............................................. (1970)
Associate Professor, Management; Doct, Colorado State University
Wallace, Steve R ............................................ (1972)
Assistant Professor, Physical Education; Mast, University Of Utah
Warberg, William ........................................... (1977)
Associate Professor, Admin Services; Doct, Oregon State University
Ward, Frederick, Professor, Mathematics .................. (1969)
Doct, Virginia Polytechnic University
Warner, Kathleen C ......................................... (1966)
Assistant Professor, English; Doct, Indiana University
Warner, Mont M, Professor, Geology ......................... (1967)
Doct, Iowa State University
Watia, Tammo, Associate Professor, Art ................. (1969)
Mast, University Of Michigan
Watts, Donald J ............................................. (1973)
Senior Instructor, Drafting; Bach, University Of Idaho
Wertman, Donald L ......................................... (1979)
Senior Instructor, Machine Shop; Assc, Pennsylvania State University
Weston, Allen, Senior Instructor, Drafting .................. (1964)
Chairperson, Light Technology; Mast, Idaho State University
White, Craig ................................................ (1980)
Assistant Professor, Geology, Geophysics; Doct, University Of Oregon
White, Wayne E, Professor, Management ................. (1965)
Director, Aviation Management; Mast, Arizona State University
Wicklow-Howard, Marcia, Professor, Biology ........... (1975)
Associate Chairperson, Biology Department; Doct, Oregon State University
Widmayer, Jayne A ......................................... (1981)
Associate Professor, English; Doct, University Of Michigan
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Associate Professor, Nursing; Mast, University Of California Los Angeles
Wilkinson, Edwin E ......................................... (1958)
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ADELAIDE ANDERSON MARSHALL, Assistant Professor of Music (1939-1948, 1966-1972)
RUTH McBRINEY, Professor, Head Librarian (1940-1942, 1943-1977)
FLORENCE M. MILES, Professor of Nursing (1955-1980)
KATHRYN ECKHARDT MITCHELL, Assistant Professor of Violin (1932-1938, 1939-1972)
DONALD J. OBBEE, Professor of Biology (1946-1977)
HAZEL MARY ROE, Associate Professor of Office Administration (1942-1944, 1947-1969)
FRANK H. SMARTT, Assistant Professor of Mathematics (1958-1981)
LYLE SMITH, Professor of Physical Education, Director of Athletics (1946-1981)
JOSEPH B. SPULNIK, Professor of Chemistry, Dean of the School of Arts and Sciences (1941-1976)
ROBERT B. SYLVESTER, Associate Professor of History (1958-1982)
ALBERT H. TENNYSON, Instructor in Industrial Communications (1966-1977)
CARL W. TIPTON, Associate Professor of Management (1965-1980)
DAVID P. TORBET, Professor of Psychology, Director of Counseling and Testing Center (1966-1983)
LYLE F. TRAPP, Assistant Professor of Auto Body (1953-1967)
G. W. UNDERKOFLER, Associate Professor of Accounting (1952-1974)
EUNICE WALLACE, Associate Professor of English (1968-1978)
GERALD R. WALLACE, Professor Education, Dean of the School of Education (1968-1978)
JOHN E. WARWICK, Associate Professor of Communication (1963-1977)
THOMAS M. WILBANKS, Assistant Professor of English (1964-1966, 1969-1977)
PETER K. WILSON, Professor of Business Administration (1966-1977)
ELLA MAE WINANS, Associate Professor of Mathematics (1958-1983)
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BSU CATALOG 1984-85 ADDENDUM

PREFACE

All users of the BSU Catalog, 1984-85 Edition, are advised that the changes, corrections, and additions below have been approved for implementation. Changes have been made in the following areas:

- Fees, page 17.
- Internships, page 29.
- Baccalaureate degree requirements, page 30.
- Chemistry department, page 42.
- Communication department, pages 42-43.
- Mathematics department, page 54.
- Political Science and Philosophy department, pages 65-66.
- Physical Education department, pages 88-90.
- Community & Environmental Health department, pages 107-108.
- Health Occupations department, pages 108 & 139.
- Light Technologies department, pages 141-142.
- Service Occupations department, page 145.

Please retain this addendum with your 1984-85 Catalog so that you have current & complete information.
The following is a detailed listing of the changes to the 1984-85 Catalog:

Page 17, left column, change TUITION AND FEES table to read:

*Fees changed by Board, April, 1984.

<table>
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<tr>
<th></th>
<th>Idaho Resident</th>
<th>Non-Resident</th>
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<tbody>
<tr>
<td>Tuition (per semester)</td>
<td>$0.00</td>
<td>$950.00</td>
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<tr>
<td>Institutional fees (Undergrad)</td>
<td>$504.00</td>
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<tr>
<td>Institutional fees (Graduate)</td>
<td>$664.00</td>
<td>$664.00</td>
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<tr>
<td>Total (UNDERGRADUATE)</td>
<td>$504.00</td>
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<tr>
<td>Total (GRADUATE)</td>
<td>$664.00</td>
<td>$1614.00</td>
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Page 17, right column, change table of Other Fees to read:

<table>
<thead>
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<th>Other Fees</th>
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<tr>
<td>Part-time(Undergrad)</td>
<td>$56.00 per Sem Hr</td>
</tr>
<tr>
<td>Part-time(Graduate)</td>
<td>$72.00 per Sem Hr</td>
</tr>
<tr>
<td>Summer(Undergrad)</td>
<td>$57.00 per Sem Hr</td>
</tr>
<tr>
<td>Summer (Graduate)</td>
<td>$73.00 per Sem Hr</td>
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Page 29, left column -

Under Internships, School of Health Sciences, change text to read:

Supervised clinical practice in local health care facilities for students in Nursing, Medical Records, Radiological Sciences and Respiratory Therapy programs.

Pre-medicine, pre-dental, pre-veterinary medicine, pre-physical therapy internships/cooperative education with individual health care practitioners.

Environmental Health internships/cooperative education with district health agencies and the Environmental Protection Agency:

NOTE: The heading "School of Vocational-Technical Education" immediately following the above material should be bold-faced and centered in a manner similar to those of the other schools.
Change Secondary Education Emphasis listing to read:

SECONDARY EDUCATION EMPHASIS

1. General University Requirements
   20
2. Departmental Core Requirements
3. Education Requirements (see Part 6, Secondary Education)
4. Required Emphasis Area Courses:
   Reasoned Discourse CM 112 3
   Internship in Directing Forensics CM 493 1
   Interpersonal Communication CM 221 3
   Methods of Teaching Communication CM 401 3
   Communication Activities CM 114, 314 1
Six credits chosen from the following presentation courses:
   Public Speaking CM 231
   Oral Interpretation CM 241
   Fundamentals of Speech Communication CM 111
   OR
   Speech Communication for Teachers CM 311
   Communication Practicum CM 451
   Communication in the Small Group CM 251 6
Nine credits chosen from any of the following:
   Fundamentals of Speech Communication CM 111
   Voice and Diction CM 121
   Listening CM 131
   Mass Communication: Concepts and Perspectives CM 171
   Public Speaking CM 231
   Oral Interpretation CM 241
   Communication in the Small Group CM 251
   Reporting and Newswriting CM 273
   Interviewing CM 307
   Speech Communication for Teachers CM 311
   Rhetorical Theories CM 321
   Message Analysis and Criticism CM 331
   Nonverbal Communication CM 341
   Intercultural Communication CM 351
   Communication Graphics CM 379
   Persuasion CM 412
   Small Group Process CM 341
   Communication Practicum CM 451
Ethics, Law and Communication CM 461 9
TOTAL 46
BSU CATALOG 1984-85 ADDENDUM

PY 489, Senior Tutorial

Page 66, left column -

Change section on PY Philosophy courses to read:

PY PHILOSOPHY

Lower Division

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

PY 121 INTRODUCTION TO LOGIC (3-0-3)(F/S)(Area I). A study of the concepts and methods used in the analysis and evaluation of arguments, with emphasis on the structure of arguments.

PY 211 ETHICS (3-0-3)(S). An investigation of the validity of moral claims, the use of moral language, and the evaluation of classical efforts, e.g., utilitarianism, to provide a test of moral rightness.

PY 231 PHILOSOPHY OF RELIGION (3-0-3)(F). An introduction to basic philosophical issues connected with religious belief, such as the nature and existence of God, the problem of evil, miracles, and the significance of religious experience. Alternate years.

Upper Division

PY 305 ANCIENT PHILOSOPHY (3-0-3)(F). An introduction to the origins of Western philosophy in the ancient world, with emphasis on Plato and Aristotle. PREREQ: PY 101. Alternate years.

PY 307 MEDIEVAL PHILOSOPHY (3-0-3)(S). A survey of major developments in Western philosophy from St. Augustine through William of Ockham, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 309 MODERN PHILOSOPHY (3-0-3)(F). A survey of developments in Western philosophy from Descartes through Kant, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 313 TWENTIETH CENTURY ANALYTIC PHILOSOPHY (3-0-3)(F). A critical examination of the development of the analytic method
BSU CATALOG 1984-85 ADDENDUM

PY 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PY 442 PART II WESTERN POLITICAL THEORY (3-0-3)(F). Development of political thought since Machiavelli. PREREQ: PO 441. Alternate years.

PY 489 SENIOR TUTORIAL (3-0-3)(F). Directed research culminating in the writing of a Senior Essay to be approved by the members of the Philosophy faculty. PREREQ: Senior standing in Philosophy major.

page 81, left column, change course IS 210 to read:

IS 210 INTRODUCTION TO INFORMATION SCIENCE (3-0-3)(FS). Management Information Systems is the framework tying decision makers together in an organization. This course must describe the system's development process including: (1) feasibility study; (2) requirements definition; (3) system alternatives; (4) selection of alternatives; (5) system design; (6) development and testing; and (7) system implementation.

Page 88, right column -

Add the following material under Required of All Graduates:

ADMISSION TO UPPER DIVISION STANDING:

The purpose of these admission policies is to provide the student an opportunity to be evaluated by Physical Education Department faculty prior to enrollment in upper division PE classes.

Students must make formal application to the PE Major Selection Committee for admission to upper division standing. Applications must be submitted at the beginning of the second semester, sophomore year. Application deadlines will be posted each semester.

The Selection Committee, composed of four PE faculty and two upper division PE majors (the PE Club President and an at-large upper division student appointed by the Department Chairperson), will review each application.

Application criteria are:

1. The student's total credit hours (including current course load) must exceed 57 credit hours.
Unconditional Acceptance A GPA greater than or equal to 2.50

The committee has no major reservations regarding the student's academic achievements, departmental involvement, or professional commitment. The student may enroll in upper division PE classes.

Provisional Acceptance A GPA between 2.00 and 2.49

The committee has concerns regarding the student's academic performance, physical skill level, departmental involvement, and/or professional commitment. These concerns will be provided in writing to the student and the advisor. The student may enroll in upper division PE classes but is expected to remediate each of the committee's concerns.

Denial A GPA less than 2.00

The committee has serious reservations regarding the student's academic status, physical skills, departmental involvement, and/or professional commitment. The committee's concerns will be provided to the student in writing. The student will not be allowed to enroll in upper division PE classes. A student receiving denial status should reconsider his/her plans to enter the physical education profession.

If the student wishes to continue to pursue a degree in physical education, he/she must first remediate all the committee's concerns to the committee's satisfaction before upgrading to provisional acceptance can occur.

A student receiving a denial is entitled to an interview with the committee at which time corroborating evidence may be presented. Interview requests must be made in writing to the Committee Chairperson within fourteen days following written notice of denial to upper division standing.

Following the initial appeal to the committee, unsatisfied students may then follow the University appeal process as detailed in the BSU Student Handbook.
BSU CATALOG 1984-85 ADDENDUM

Change title of PN 114, Clinical Techniques to read:

Fundamentals of Nursing

Page 141, right column -

Change Business Machine Technology, Sophomore Year, Advanced Electronic Theory BM 271-272 and totals line to read:

Advanced Electronic Theory BM 271-272

Page 142, left column -

Change hours of BM 271-272 Advanced Electronic Theory to (7-0-7).

Change section on Drafting Technology to read:

DRAFTING TECHNOLOGY

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well versed 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. All courses are taught each semester, so that students may enter at the beginning of any regular semester.

First Semester
Drafting Lab and Lecture DT 101 ........................................ 4
Communication Skills DT 111 ............................................. 3
Mathematics DT 131 .................................................... 5
Applied Physics DT 141 ............................................... 3
Manufacturing Processes DT 153 ..................................... 2

Second Semester
Drafting Lab and Lecture DT 102 ........................................ 4
Communication Skills DT 112 ............................................. 3
Introduction to Surveying DT 122 .................................... 2
Mathematics DT 132 .................................................... 3
Applied Physics DT 142 ............................................... 3
Construction Codes DT 172 .......................................... 2

Third Semester
Drafting Lab and Lecture DT 201 ........................................ 4
Descriptive Geometry DT 221 ............................................ 3
Applied Mathematics DT 231 ........................................... 3
Statics DT 241 ......................................................... 4
Graphics DT 261 ....................................................... 1
BSU CATALOG 1984-85 ADDENDUM

DT 142 APPLIED PHYSICS (3-0-3). Course covers vectors and graphic methods with emphasis on forces exerted on structural members in astatic position; force and motion; work energy and power and basic machines. COREQ: DT 132 or equivalent.


DT 172 CONSTRUCTION CODES (2-0-2). Introduction to national and local building, electrical, plumbing and fire codes, as pertaining to residential and light commercial building, construction. Emphasis on FHA, VA and conventional standard requirements. (Open to non-drafting technology majors--space permitting.)

DT 201 DRAFTING LABORATORY AND LECTURE (1-14-4). Civil drafting, mapping, highway curves and earthwork. PREREQ: DT 122, 132, 102.


DT 221 DESCRIPTIVE GEOMETRY AND DEVELOPMENT (3-1-3). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting applications.

DT 222 TECHNICAL REPORT WRITING (2-0-2)(F/S). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.

DT 231 APPLIED MATHEMATICS (3-1-3). Solution of practical problems involving concepts from DT 131 and DT 132 Math. PREREQ: DT 132.

DT 232 APPLIED MATHEMATICS (3-1-3). Application and expansion of mathematics, statics and strength of materials. Related to lab projects. PREREQ: DT 231.

DT 241 STATICS (4-0-4). Introductory course in statics with emphasis on analysis of simple structures. PREREQ: DT 132.


DT 261 GRAPHICS (1-1-1)(FS). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors--space permitting.)
## BSU CATALOG 1984-85 ADDENDUM

### DAY CARE TEACHER/SUPERVISOR:

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<thead>
<tr>
<th>SUBJECTS</th>
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<tr>
<td>Advanced Child Care CC 255</td>
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<td>Intro to Kindergarten Curriculum CC 256</td>
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<td>Infant Care CC 257</td>
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<td>Child Care Center Management CC 231-232</td>
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<td>Family and Commun involvement with Child CC 252</td>
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<td>Plan and Eval of Child Care Center Supvr CC 235-236</td>
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### COURSE OFFERINGS

#### CC CHILD CARE

**CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-3).** Basic principles of child growth and development, the individual needs of preschool children, their language development, understanding their behavior and techniques of guidance and discipline.

**CC 111,112 COMMUNICATION SKILLS (3-0-3)(F/S).** Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

**CC 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAMS (0-4-1).** Individual contract arrangement involving students, 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.

**CC 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-0-2).** Classroom lecture and discussion to include lab observation and records, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

**CC 141 HEALTH AND CARE OF THE YOUNG CHILD (3-0-3).** Safety practices, basic nutrition, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teachers health, red cross multimedia first-aid emergency training and a workshop on the safe maintenance of toys and equipment.

**CC 171-172 CURRICULUM OF THE YOUNG CHILD (3-0-3).** Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in nursery school; and specific information, materials and the opportunity to use them.
CC 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2)(S). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom. PREREQ: CC 255.

CC 257 INFANT AND TODDLER CARE (2-0-2)(S). Total care of infants and toddlers in group day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing of infants and toddlers. PREREQ: CC 101-151.

CC 261 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

CHILD CARE STUDIES (ASSISTANT)
9-Month Program.

This program is planned for people interested in working with children as an assistant in private, playgrounds, camps, day care centers, nurseries, kindergartens, and child development centers.

The program and courses are those of the first year of the Day Care Supervisor - 18 month program, above.
CLASS SCHEDULE ADDENDUM

FALL SEMESTER 1984

Includes changes received by June 8, 1984

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30294  FA 112-05  Add  Scuba/Basic 1 cr.
       Staff Spec Fee
       11-6,7,8,13,14,15

30781  FA 133-03  Add  Bowling I 1 cr.
       Thorngren TR 9:40-
       10:30 am Sub

30301  FA 152-02  Add  Backpack 1 cr. Staff
       Spec Fee 8-31-9-3

30616  FA 152-03  Add  Backpack 1 cr. Staff
       Spec Fee 10-5-13

30317  FA 153-01  Add  Cross Country Ski
       1 cr. Staff Spec
       Fee 11-27,29 12-4,6

30322  FA 172-09  Add  Racquetball 1 cr.
       Staff TR 2:40-3:30
       PV 1172

30370  FA 297-03  Add  Spec. Top. Jazz I
       1 cr. Lori Head
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- **Legal Envir of Bus**
  - 3 cr. T. Munson
  - R 7:00-10:00 pm B 101
- **Bus Ethics**
  - 3 cr. T. Munson
  - TR 3:15-4:30 B 312
- **Govt & Bus**
  - 3 cr.
  - U. Kettlewell MWF
  - 12:40-1:30 B 303
- **Spec. Top. Hlth Care of Elderly**
  - 3 cr. M.
  - Long W 5:00-8:00 pm
  - SN 156
- **Spec. Top. Assess of Alcohol Drug Prob II**
  - 3 cr. J. Nelson
  - W 5:30-8:30 pm E 108
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<td>J. Nelson W</td>
<td>E 108</td>
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<tr>
<td>7:00-10:00 pm</td>
<td>Spec. Top. Hlth Care Law for Hlth Care Pract</td>
<td>D. Lojek</td>
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<td>R. Barton &amp; R. Boylan</td>
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TE 461-01  Cancel

TE 493-01  Cancel

TE 493-02  Cancel

TE 568-01  Cancel

TE 569-01  Cancel

TE 582-02  Cancel

TE 597-04  Cancel

AC 205-03  Day, Time, Room Channel 4 Auditorium

AR 111-07  Day, Time, Room A 3

AR 211-03  Day, Time, Room MW 3:40-5:30 pm

AR 212-01  Day, Time, Room MW 3:40-5:30 pm
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